



NEW ZEALAND DX TIMES

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RADIO NZ SHORTWAVE - HAPPY RETURNS!

It is now over 30 years since two war-surplus high frequency transmitters, each with an output of 7.5 kilowatts, were installed at the NZBS transmitter site at Titahi Bay, 15 miles north of Wellington. The purpose envisaged by Prime Minister Peter Fraser, when the Shortwave Service officially began on 25 September 1948, was to present listeners abroad with "an accurate picture of life in NZ."

In 30 years this role has been barely achieved, if at all, hindered from the outset by the inadequate transmitter output. It would be difficult to find a technical parallel anywhere in the world. While the major nations and most developing countries are recognising the need to develop the shortwave spectrum for international communication, New Zealand has ageing, low powered transmitters, charged with providing a satisfactory broadcast service over an area encompassing the Pacific from East Australia in the west to the Cook Islands group in the east, encompassing in excess of 3 million square miles of the South Pacific. Only the avid DXer would appreciate this scenario - offering us one of the few remaining challenges to catch a very low powered SW broadcaster on the international bands.

What of the future? In recent years we have seen the eclipsing of NZ's role as natural leader in the South Pacific, by Australia. Previously the main thrust of Australian foreign policy, and of Radio Australia's transmissions, has been towards Asia, but since the Malcolm Fraser government came to power, Australia has increased its aid to the Pacific by 400%, and is now clearly outpacing NZ in its involvement in the area.

Interviewed earlier this year in the NZ International Review, former BBC External Service staffer and now Director-General of Radio New Zealand, Geoffrey Whitehead was asked what hope there was for upgrading the external service. He said that he personally saw a case for a properly equipped and staffed shortwave transmission from NZ, if only because of the need for an inter-island news service for the Pacific. It was also his experience that listeners wanted an alternative to the Australian shortwave service. There was a continuing debate, he said, as to whether the Foreign Affairs financed External Service operation was best served by making greater use of sending taped material to other broadcasting organisations, or whether external services do have a role. "The question will turn on the provision of government finance for the proper set of higher powered transmitters we need in order to do the work properly." He concluded his comments by linking evolution of the government's foreign policy with a possible revival of interest in shortwave broadcasting.

A comprehensive study of NZ's external shortwave services was included in the 1973 White Paper on Broadcasting, produced by the Adam Committee. This proposed ... (Turn to page 8)

SPECIAL

To celebrate the 30th anniversary of Radio NZ on shortwave, and of the NZ Radio DX League a limited print of a special QSL card, prepared by member Tony King, will be issued for correct reception reports received during September. Because of the limited number, preference will be given to reports from overseas. As usual, reports should be directed to External Service, Radio NZ, P.O. Box 2092, Wellington, New Zealand. Don't forget the 2 IRC's for return postage.

As at 8am 16/8 the MW pages had not arrived from our editors in Invercargill, though posted early 10/8. We have delayed printing 2 days. If they turn up, will include next month. Sorry fellahs!

CONTRIBUTIONS FOR OUR 30th ANNIVERSARY ISSUE CLOSE AT 12 NOON ON MONDAY 4th SEPTEMBER. LET'S HEAR ABOUT YOUR QSLs RECEIVED, STATIONS HEARD/REPORTED. IT'S CONTINENT LISTINGS TIME TOO, SO SEND IN YOUR QSL TOTALS BY CONTINENT PLUS YOUR FAVOURITE/BEST QSL FROM ASIA. THE ADDRESS FOR ALL CONTRIBUTIONS IS P.O. BOX 2956, WELLINGTON, N.Z.

FROM THE BRANCHES

SOUTHLAND The July meeting was held at Sutton Burtenshaw's, with 9 present and 4 apologies. Discussion centred around nominations for the annual general meeting of the branch, to be held at the residence of patron Mr O. Crawford, 20 York Street, Invercargill on Saturday 26 August. After a DX chat, taped greetings from member Neville Henry in Saudi Arabia were played, together with recordings of his local stations. Competition results: BCB Ray Crawford KIOX Bay City Texas 1270 1kw, merit KHVH 990 5kw Eric McIntosh. SW Under 9 - Paul Aronsen Tanzania 4785kHz; Over 9 - Arthur Cushen CBC Cyprus 9690 100kw.

OTAGO We apologise to members for the inadequate advice of meetings in recent times. Only 3 DXers joined 40 Hams at the July meeting to hear veteran DXer and former President of the League Jack Fox speak on the changing face of the hobby over the years. The continuation of the branch is again in doubt unless more members show some interest. We are participating in a Models & Hobbies Exhibition at the Building Display Centre from 26 August to 2 September, and we need volunteers to man the display. The next meeting is a slide show by Jim of his South East Asian travels, on Thursday 17 August at 7.30pm in the Archway 3 Lecture Theatre on the corner of Leith & Union Streets.

NORTH OTAGO The July meeting at the Listening Post was well attended. Junior Best-of-Month winners NZ to Paul with 2ZN, and SW to Glen for Radio Moscow. Paul and Glen have now moved up to the Senior section of the branch. A newsletter has been received from the newly formed CB Club in Oamaru, with an invitation to put on a DX display at their Open Day on 5 August. League publicity brochures produced by Tony King in Wellington have been passed on to the Library and local radio shops. Senior listening highlights include Rhodnesia 3306, Radio Moscow Estonia 17700 and Pakistan 585. The next Juniors meeting is on 3 August, and AGM of the branch on Thursday 17 August.

AUCKLAND 15 members were present at the July meeting including new members Peter and Neil Morris, with 3 apologies being accepted. The meeting centred around finalising plans for the Waiau Pa DXpedition, with at least 12 members planning to attend over the weekend of 5/6 August. Bryan Marsh was on hand with a review of the Grundig Satellit 2100 which was put through its paces on shortwave and broadcast. Members were reminded of the next branch meeting is the AGM to be held at 2.00pm on 27 August.

4 members of the branch got away to a good start on Friday 4 August for the DXpedition to Waiau Pa, south of Auckland, being joined on Saturday by 8 others. 9 different types of receivers were put into use, with a variety of aerials, ranging from two 1000 feet west by south, to a few short ones in many directions. Friday night proved poor for Africans, but reception came right on Saturday and many Africans were evident. Most finished the weekend with many new loggings, and some with as many as 6 new countries. It is the first group DXing in Auckland for a long time, and the next one is already in the planning stage.

WELLINGTON The July meeting attracted 12 members to John Wysocki's, and there was a lively discussion on radio-related topics. Amongst those attending was Mr Hendren, having recently joined the League and found to be one of the truly old-timers in radio listening. A delightful supper was provided by Mrs Wysocki. Competitions to David Mainwaring AFAN Antarctica 6012 1kw and Bruce Lister RSA 17780 500kw. The next meeting, the branch's AGM, will be held at Bryan Clark's, 47 Upper Watt Street, Wadestown at 8.00pm on Friday 25 August.

BOX 2956

Good luck to RON CUNDY of Wellington, off to the USA on a 3 month holiday; NORMAN CLOVER of Hamilton writes to say he has recently rejoined the League after a gap of some years. Now semi-retired, he hopes to have some more time for DXing, and at present is busy setting up his log book and QSL collection again. He uses an Eddystone EC10 Mk II plus a recently acquired old Skyscraper Dual Wave 5 valve receiver. Norman thinks the latter has potential on MW, and is building a frame (loop) aerial. PAUL FAMSAY of Oamaru advises that he uses a Columbus 66A 6 valve domestic set. For aerials he uses the copper spouting of his home, and a 25 feet longwire running East-West. DES DAVEY of Te Kuiti asks if the League has a current membership/address list. (The answer's no, Des. We did once, but there's considerable effort required to type out almost 500 entries, and also considerable expense in printing, collating etc of the resulting list and distributing same. If anyone is planning a holiday and wants to meet up with DXers along the way, we're always happy to put a mention in the Times. Ed). GUNNAR BERGER Eltham asks which is the better procedure when travelling overseas on holiday, to purchase a DX set duty free while away and sort out the duty/tax situation with Customs on your return, or to apply for an Import Licence before departing? (We rang Customs in Wellington, who advise that as a general rule, an import licence is necessary for any single item which will exceed the \$150 allowance. Ed). More items from our mail on page 3.

A VISIT TO TWR- SRI LANKA

by League member Adrian Peterson, Director of Adventist World Radio in Asia, and DX Host of "Radio Monitors International".

Earlier this year while in Colombo I had the opportunity of visiting the two installations operated by Trans World Radio in the former Ceylon.

In Colombo, quite close to the area where I used to live some 4 years ago, is a residential building which has been procured for the use of the offices and studios of TWR. The TWR studios in Colombo are used for editing, dubbing and production. The broadcasting of these tapes is carried out by the Sri Lanka Broadcasting Corporation from it's studios in Torrington Square.

Early one morning, the Communication Director for the Seventh-Day Adventist Church in Ceylon, Mr R. Aranze, took me by car the 70 miles up to Puttalam, site of the TWR transmitter. The highway running past the airport meanders through very attractive tropical scenery with coconut, pineapple and rice growing in abundance. By mid-morning we could see the 2 towers of TWR Sri Lanka from the highway, even though the station is some distance towards the coast. Soon we were bumping along the uncompleted access roadway into the transmitter base. A large 2 storey building has been constructed and this houses the transmitter, as well as the other operational functions of the station, such as maintenance, repairs, offices, and temporary accommodation. At the time of our visit, the transmitter was under final installation, and 2 TWR engineers from overseas were attending to the final touches. The transmitter, of 400kw, was originally in use somewhere in Germany. It is thought that it was originally the Heusweiler transmitter used in Germany for the French Service.

The radiator system consists of 2 towers fed unequally to give a northern lobe or a southern lobe as desired. It is intended that during darkness hours TWR will broadcast to India and during the hours of daylight SLBC will use the transmitter to broadcast to Ceylon.

Programmes for the transmitter are fed by FM link from the Torrington Square studios of the SLBC up to the FM relay station located at Radula, high in the central mountains of Ceylon. From there the signals are re-broadcast on FM and picked up at the transmitter base for broadcast to the target area.

According to Victor Goonetilleke in the bulletin of the Union of Asian DXers, the first test broadcast from TWR Puttalam was made at half power on 31 May at 1032 GMT. The first on-air test consisted only of an unmodulated carrier, and lasted for just 2 minutes. Modulated test transmissions began 10 days later, and the broadcasts consisted mainly of Hindi programmes with occasional English announcements. The station identifies as Vishwa Wani, "World Voice", 890kHz. When TWR commences regular broadcasting, programmes will be entirely in Indian languages. Although no QSLs have as yet been processed, TWR intends to issue an attractive card.

Thanks to Adrian for yet another interesting feature article.

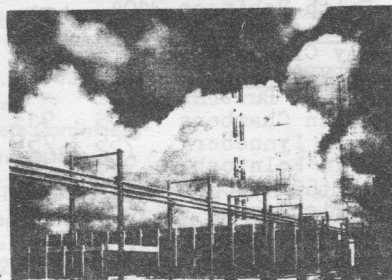
BOX 2956

Back in May we invited member comment on the future of the shortwave spectrum, to assist in preparation for a League submission towards the 1979 World Administrative Radio Conference. KEVIN JENSEN of Motueka has suggested the extension of certain bands and also a novel approach to overcoming the problem of overcrowding on the bands - to restrict transmitter power according to the target distance. For a transmitter to cover a distance of say, 10000 miles (eg Europe to NZ), power could be unlimited or perhaps limited to a maximum of 250kw. For lesser distances between transmitter and target area, a lower maximum would be applied (If you have any thoughts on the points raised in the May DX Times drop us a line soon. Ed). DES DAVEY advises he no longer has vintage radio valves for sale. (Thanks for the assistance you were able to give members with these old items Des. Ed)

Broadcasting the Gospel in 25 languages

3

from
TRANS WORLD RADIO BONAIRE
Netherlands Antilles



Bonaire Transmitting and Power Station



Trans World Radio

KTWR - P. O. Box CC
Agana, Guam 96910



TRANS WORLD RADIO
P.O. BOX 64 — MANZINI
SWAZILAND — AFRICA

Radio Active · Victoria University of Wellington 1260kHz on air

LEAGUE LADDERS

DIVISION	Jun	Aug	Inc	Cnt	DIVISION	Jun	Aug	Inc	Cnt
<u>GOLD STAR</u> (over 1250)					<u>GOLD STAR</u> (over 1250)				
Norman Maguire	3016	-	-	81	Arthur Cushen	4500	4521	21	240
Arthur Cushen	2270	2271	1	145	Dene Lynneberg	2187	2230	43	195
Merv Branks	2121	-	-	132	Barry Williams	2057	-	-	213
Keith Robinson	2104	-	-	114	John Mainland	1416	1434	18	195
<u>GOLD ACE</u> (1001-1250)					Ray Crawford	1359	1375	20	157
Ray Crawford	1202	1211	9	153	Ray Babbage	1273	1279	6	128
<u>SILVER ACE</u> (751-1000)					<u>GOLD ACE</u> (1001-1250)				
Sutton Burtenshaw	922	-	-	102	John Durham	1231	-	-	156
Robin Chambers	908	913	5	115	Bryan Clark	1185	1209	24	191
Dene Lynneberg	755	759	4	91	Bill Huddleston	1189	1209	20	133
Eric McIntosh	948	952	4	86	Ron James	1154	-	-	102
<u>ACE</u> (501-750)					<u>SILVER ACE</u> (751-1000)				
Chris Martin	688	-	-	151	Jack Searle	886	906	20	121
David Ricquish	531	-	-	47	<u>ACE</u> (501-750)				
<u>SENIOR</u> (301-500)					Paul Ormandy	678	693	15	151
Bryan Clark	456	460	4	88	Ian Cattermole	607	680	73	106
Ray Babbage	414	415	1	41	John Campbell	630	641	11	204
Hank Wilkinson	403	405	2	72	Peter Greenyer	503	-	-	100
Paul Ormandy	358	370	12	59	<u>SENIOR</u> (301-500)				
<u>INTERMEDIATE</u> (151-300)					Jim Benzoni	496	503	7	95
John Campbell	290	302	12	85	Alan Gilmour	447	457	10	93
Alan Gilmour	251	259	8	33	Paul Rawdon	424	-	-	122
Jim Benzoni	249	249	0	25	Steven Greenyer	374	384	10	130
Ian Cattermole	235	248	13	19	Cecil Symmes	357	-	-	83
Bob Homewood	243	-	-	-	Paul Edwards	338	-	-	151
John Allchin	213	234	21	25	Gavin Waters	312	315	3	56
Philip Brooks	195	-	-	20	<u>INTERMEDIATE</u> (151-300)				
Ash Nallawalla	189	-	-	18	Jack Farrow	248	260	12	50
Paul Rawdon	175	-	-	22	Alex Wellner	190	198	8	88
Paul Edwards	171	-	-	47	Leigh Morris	162	-	-	75
Jack Searle	167	169	2	19	Bill Jolley	162	194	32	51
Leigh Morris	154	-	-	31	Norman Clover	-	151	-	46
<u>JUNIOR</u> (51-150)					<u>JUNIOR</u> (51-150)				
Stuart Forsyth	97	109	12	8	David Felton	-	128	-	34
David Felton	-	67	-	8	Bob Homewood	115	-	-	-
Steven Greenyer	57	58	1	26	Ian Hitchiner	100	103	3	38
<u>NOVICE</u> (1-50)					John Allchin	69	76	7	53
Norman Clover	-	46	-	5	Tim McSweeney	70	-	-	29
Alex Wellner	37	39	2	8	Ash Nallawalla	64	-	-	36
Mark Nichols	32	-	-	3	Mark Sterling	59	-	-	-
					<u>NOVICE</u> (1-50)				
					Craig Strathern	49	-	-	15
					Stuart Forsyth	40	48	8	25
					Philip Hamlin	44	48	4	32
					Mark Nicholls	45	-	-	15
					Norm Maguire	36	-	-	24

At last years AGM of the League it was approved that the ladder would only start at a Minimum of 50 QSLs. As from the end of this 6 monthly period, in December this new policy will be carried out. So you all have 4 months notice of the change. All members below the Magic figure should try and get over 50 veries.....

Ray Babbage.

New member GREGORY BAKER asks how one goes about joining the League ladder. Detailed rules are given on pages 13, 14 and 15 of the "DXing Made Easy" booklet sent out in the New Members Kit, but briefly, you just have to submit your total of QSLs received plus the number of radio countries verified (according to the League Countries List) on a regular basis. The Ladder is run every second month and

Craig Strathern 49 - - 15
Stuart Forsyth 40 48 8 25
Philip Hamlin 44 48 4 32
Mark Nicholls 45 - - 15
Norm Maguire 36 - - 24

Welcome to new entries, Norman Clover and David Felton. Remember the next ladder is in October.....See you

Late arrival Eric McIntosh 641/116

is divided into broadcast band and shortwave sections. If you contribute regularly and have the biggest QSL total increase in a six-month period for any given category on the ladder, a certificate is awarded. So, to get started all that's necessary is to send in your QSL totals!

NZRDXL 30th Anniversary Award

To celebrate the League's 30th Birthday next month, the Administration Committee has announced the following competition for members.

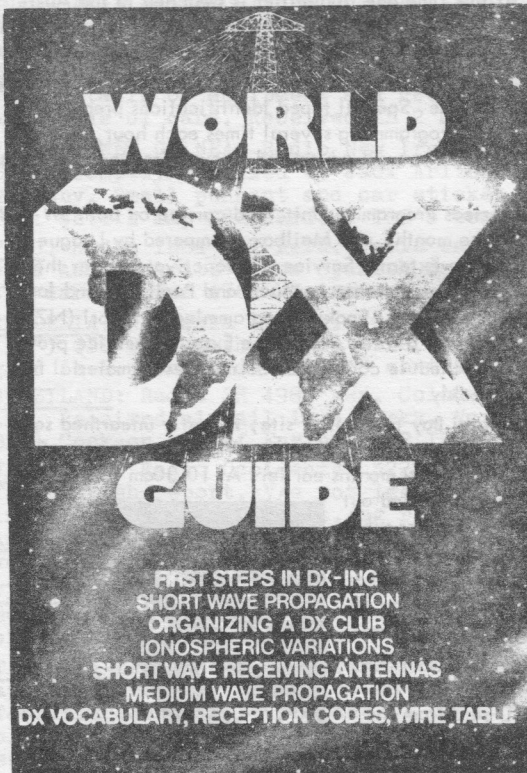
The aim of the competition is to verify 30 countries on either, or both, the broadcast and shortwave bands in the period 1 September 1978 to 31 August 1979. Separate contests will run for broadcast and shortwave and all loggings and verifications should be included in members' contributions to the NZ DX Times.

Entries must be received by the Competitions Secretary, NZRDXL, P.O. Box 1313, Invercargill no later than 31 December 1979, and are to list the following details of QSLs received:

Country; Station Call/Name; Frequency; Date Heard; Time Heard; Date Confirmed.

Adcom reserve the right to call any verification (or copy of same), for inspection.

Note: In recognition of the lengthy delay experienced nowadays in receiving some QSLs, verifications received after 1 September 1978 are eligible for the competition even if the report date was before the competition period.



 Arthur Cushen, 212 Earn Street, Invercargill now has stocks of the new WRTVH publication "WORLD DX GUIDE" available. Arranged, edited and completed by Jim Vastenoud, Deputy Director Engineering for Radio Nederland, the book contains 192 pages of solid reading for the DXer and SWL, both novice and experienced alike. For beginners there are articles like "First steps in DXing", "DXing 60 metres", "MW DXing" and more. Experienced DXers are catered for with features on shortwave propagation, sunspots, antennas, etc.

The price for copies airmailed from Denmark is \$9.00 with delivery this month.

Order your copy now, or ask for a brochure, from Arthur at the above address.

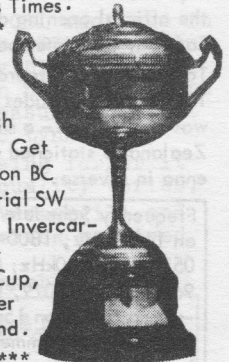
A.G.M. in Oamaru

The League's 30th Anniversary Annual General Meeting will be held at the Brydone Hotel, Oamaru on Saturday 14 October 1978. The meeting will follow a luncheon at the hotel. All members are welcome, and any seeking overnight accommodation should write to Peter Grenfell, 11 Sussex Street, Oamaru. Further details will appear in next month's Times.

COLUMBUS TROPHY 1977/78

Branches are reminded that the entries for this year's inter-branch competition close on 31 August. Get your entries for the Albert Stanton BC Cup and Hope McGregor Memorial SW Trophy in the mail to Box 1313, Invercargill as soon as possible.

Depicted is the Albert Stanton Cup, awarded each year to the premier branch on the MW broadcast band.



HELPING HAND. Some month's back we reported on the interference problems of Wanganui member Ted Osborne. Ted wishes to express his appreciation to Wellington member Dick Page who called in with his own Yaesu FRG7 to check out the problem.

EQUIPMENT REVIEW A big pile of contributions for this column to hand from members in NZ, Japan and USA. Our 30th Anniversary issue next month means this information will have to be deferred till October.

Radio New Zealand

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EXTERNAL SERVICES DIVISION (OVERSEAS PROGRAMME UNIT)

The aeriels are orientated in such a manner that the main coverage areas are the Pacific (beam 30°) and Australia (285°). They fall into 2 main types - those for the 11, 15 and 17mHz bands have 2 tiers of 3 wire, half wave folded dipoles, with single wire half wave parasitic reflectors. Those for 6 and 9mHz bands consist of 4 coplaner squares, $\frac{1}{2}$ wavelength per side, interconnected and phased so that the radiating elements are the 5 vertical half wave elements, whose ends are folded to form these squares. An exactly similar parasitic reflector is placed behind the radiator and tuned to resonance. The aeriels are not reversible and the reflectors are tuned for minimum backward radiation. Each is fed with 4 wire transmission lines of 310 ohm impedance. The horizontal aerial pattern for 11, 15 and 17mHz is a 3dB horizontal beam width of 45°, and on 6, 9mHz - 40°. Vertical main lobes are 21° on 11mHz, 15° on 15mHz, 17° on 17mHz and 10° on 6 and 9mHz frequencies.

The hours of transmission are 1800 GMT till approximately 1030 GMT daily. Up till 0730 GMT both transmitters are beamed to the primary target area - the Pacific. At this time one transmitter is switched to the Australian beam for the period through to closedown. Note that when NZ is on Daylight Saving Time (late October till late March) all times mentioned are advanced one hour - eg the total transmission period is 1700-0930 GMT.

PROGRAMMING: The shortwave broadcasts are currently a relay of the domestic National Programme Network (YA stations), with Sports Network commentaries from time to time. Special taped identifications prepared by the Overseas Programme Unit are prerecorded and inserted into programming several times each hour, by the transmission staff at Titahi Bay. The use of SW relay facilities is also well advertised through frequent mentions in the domestic National Network identifications.

SWLs are catered for by 2 distinctive programmes of the Overseas Programme Unit, and carried on both SW and MW - Arthur Cushen's DX World (1015 GMT first Sunday in the month) and Mailbox, compered by League member Tony King of Wellington (1015 third Sunday). Since the External Service was reactivated after the 5 week shock closure in May/June 1976, there has been a significant increase in Maori and Pacific Island language programming of particular relevance to the shortwave target area. Spoken programming in Maori (NZ & Cook Islands), Samoan, Tongan and Niuean now totals 205 minutes a week. When the External Service produced it's own programmes in the early 70's, a typical week's schedule contained 135 minutes of material for the Pacific Islands audiences out of 136½ hours transmission weekly.

EARLY DAYS: League member Tony Marr, working at the Titahi Bay transmitter site, recently unearthed some old transmitter logbooks in a disused storeroom. Although the Shortwave Service was officially opened on 25 September 1948, it seems that the first external broadcasts were many months earlier. At 10.30am on Tuesday

13 January 1948, the logbook first records frequency tests being carried out over transmitter HF1 on 9539.930kHz and HF2 11780.07kHz. Another subsequent test frequency was measured as 15280.080kHz. Logbook entries in the days leading up to the official opening include - Saturday 11 September and Sunday 12 September 1948 "relay of 2YA 12.20-11.35pm"; Saturday 18 September 1948 "smell of something burning so closed down to investigate"; the official opening date is recorded in the logbook with the simple entry Saturday 25 September 1948 "2YA relay with half-hourly announcements."

To the right is a reproduction of a Radio New Zealand QSL card from the 1960's. This includes a representation of a third target area for the shortwave operation - a short programme was broadcast once a week to New Zealanders stationed at Scott Base, Antarctica, using the Australian antenna in reverse.

Frequency Schedule 3/9/78-28/10/78: To the Pacific - 1800-2105 GMT on 11960kHz; 1800-0245 on 15345kHz; 2115-0730 on 17860kHz; 0300-0515 on 15280kHz; 0530-1030 on 6105kHz. To Australia 0745-1030 on 9620kHz till 10/9, then 6105kHz. Major NZ winter season sports event -s are carried on 15mHz frequencies in the 0230-0430 GMT period, with National Programme relay continuing on alternative frequency. Matches in NZ Rugby Tour of Europe will be on 0105 or 11960 from 1400 GMT.

To mark the 30th anniversary of New Zealand -s External Shortwave Service, some facts...

TECHNICAL: The Shortwave Service's two 7.5 kilowatt transmitters are located at the BCNZ Titahi Bay site (G.C. 174.50 E/41.05 S), sharing facilities with mediumwave stations 2YA, 2YB, 2YC & 2ZB.



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Welcome to the August QSL Review. This month sees the page being typed for the first time on my new Imperial Heritage electric typewriter so I hope you find the results pleasing. Some very nice QSL's this month so let's get right into it. 7

BRAZIL: Radio Capixaba, Vitoria, 4935 kHz, QSL letter from Hugo Borges Junior and postcard view of Vitoria received in 3 weeks. (John Campbell. Very nice one John, ED.) Radio Bandeirantes 6185 & 11925 kHz. 'no data' QSL CARD, postcard and large orange pennant in 5 months for English report with 2 IRC's and NZ stamps. (Bryan Clark)

COLOMBIA: Emisora Meridiano 70, 4929 kHz. Verie letter and square pennant received in 2 months from Director General, Manuel Buenaventura D. Emisora Meridiano 70 is a Todelar station. (Ray Crawford. Another excellent verie Ray.) La Voz del Llano, 6115 kHz. Prepared card verie received in 2 months after many attempts for SW and MW. Verie signer illegible. (R. Crawford)



CANAL 13 BANDEIRANTES

RÁDIO BANDEIRANTES S. A. - R. RADIANTES N.º 13 - MORUMBI
FONE: 211-301 - C. P. 972 - END. TELEGR. RADIANTES
SÃO PAULO - BRASIL

ECUADOR: La Voz de los Caras, 4795 kHz. Prepared card verie received in 2 months from verie signer Marcelo A. Nevarez F., Ing. Sonido - Director. (R. Crawford)

GUATEMALA: Radio Cultural, TGNA, 3300 kHz. Verie letter received from Mallon Collins - Exec. Vice-President - CAM in Texas together with QSL Card from station and letter from Wayne Berger - Chief Engineer in English. (R. Crawford) Radio Chortis 3380 kHz. Verie letter from Juan Maria Khrovet - Director Ejecutivo with full details of equipment and geographical location. Pennant printed on the reverse side of card. Received in 2 months. (R. Crawford)

PAPUA & NEW GUINEA: Radio New Ireland 2428 kHz and NBC - Port Moresby 4760 kHz. Both promptly verified by Jack Arifeae, DX Officer, based at NBC Port Moresby. Small pennant and car sticker included in each case, along with full detail map QSL card, 2 IRC's sent with each report. (B. Clark)

PERU: Radio Inca del Peru. Verie card received from Rosa Kuwau T., Gerente Administrativo for Spanish report. Although verie is for 1470 kHz the card is for 4762 kHz as well. (R. Crawford)

RHODESIA: Rhodesia Broadc. Corp. 3396 kHz. General Service, large (8 3/4 x 5 7/8") QSL Card with all details, received in 5 weeks airmail. Verie signer is D. Woodward. 2 IRC'S sent but returned. (B. Clark)

SWAZILAND: Radio SR 4980 kHz. Colourful postcard depicting Swazi warrior and family. Received airmail in 5 weeks. Verie indicates date of reception only. V/s is Bill Cookson, Chief Engineer. 2 IRC's sent with rpt. (B. Clark)

VENEZUELA: Radio Occidente, 3225 kHz. Prepared card verie received in 2 months for Spanish report. V/s not legible. (Ray Crawford. Please Ray give a little more information on your QSL's, eg rpted in SS, IRC's postcards etc., Ed.) Radio Los Andes YVSB, 6010 kHz, relaying its mw station Radio Mil Cuarenta. Prepared card verie received in 2 months. Again verie signer illegible. (R. Crawford)

VIETNAM (Soc. Rep.): Voice of Vietnam, 10040 kHz. Full detail letter QSL in four months, with postcard included. Letter heading shows "Democratic Republic of Vietnam" hand altered to read "Socialist Republic". (B. Clark)

TANZANIA-ZANZIBAR: Radio Tanzania-Zanzibar. League prepared card QSL received in approx. 2 months for follow-up English report for 1975 report for 3339 kHz. Mint Tanzania stamps sent on back of prepared card. Verie signer illegible. Card included remarks "Thanks for your listening" and covered by station handstamp. Rpt sent in EE to WRTH address with one postcard. Much wanted and treasured QSL. It seems that prepared card is the only way to verie this one. (Dene Lynneberg)

Well that's it for this time. Hope you like the new type, but being larger it unfortunately allows less on the page, but none-the-less its allquality veries.

Thanks this month to: Bryan Clark, Wellington; Ray Crawford, Invercargill and of course myself, your editor. Look forward to hearing of your veries received during the next two months. Till then, 73's

Section Ed. Dene Lynneberg

UGANDA Per a schedule recd 12/8, External Service of UBC broadcasts to USA, Canada & New Zealand (sic!) daily 0300-0430 GMT on 15325kHz with EE till 0400, then into FF. EE news sked for 0315. An interesting move at Afro/NZ detente? Will NZ reciprocate?

BC

two transmitters of 50 or 100kw each, possibly located at the Post Office site at Himatangi, 75 miles north of Wellington. The revitalised service would be aimed essentially at reaching local communities in the South Pacific, with good quality, topical programmes suitable for local relay. The Committee said that the service will do much to promote a closer relationship between the South Pacific and NZ, more closely matching and lending conviction to our other activities in the area.

A change in government since the White Paper resulted in no action towards the recommended goals, and our understanding of the present administration's attitude towards the need for shortwave transmissions from NZ is coloured by their shock closure of the service in mid-1976 on economic grounds. Listener representations were instrumental in reactivating the operation as a National Programme relay 5 weeks later. But the present arrangement must be seen as a holding operation only. The gradual deterioration, through age, of the transmitters and antennas at Titahi Bay will soon force a decision by the authorities.

Next year, the World Administrative Radio Conference in Geneva is sure to approve the extension of the International shortwave Bands to allow their even greater use as a primary means of communication between the peoples of the world. It is vital that NZ be part of the action! Frequently we hear of events on which it is important for NZ's attitude to be clearly heard. As a nation, we have a contribution to make to the international community and international shortwave broadcasting is one proven way to get the message across.

We urge government to commit itself, through the Foreign Affairs Ministry, to the upgrading of our shortwave broadcasting service, to provide a strong and clear radio voice to our neighbours in the Pacific.

On the occasion of the 30th anniversary of Radio New Zealand's External Shortwave Service, the League sends warm greetings to the Broadcasting Corporation personnel responsible for its operation. Particular tribute must be paid to Geoffrey Haggett, RNZ Overseas Programme Manager, on whose shoulders rests responsibility for most aspects of the present service.

SPRING - SUMMER RECEPTION

Some suggestions on what to look for on the shortwave bands in the coming months, by JOHN MAINLAND

During September last year, Maputo in Mozambique was noted with Portuguese programming on 11819kHz, drifting from nominal 11820, at 0505 GMT. On 4 September 1977, Radio Cook Islands suddenly appeared on 9695kHz, and was observed at 0800 GMT with a relay of Radio Australia news and sign-off at 0832.

On 3 September this year, many international broadcasting stations will make some frequency changes in the course of their broadcasts. These alterations in frequency will probably mean using a lower frequency for the listening audience. This also applies to the seasonal change on 5 November.

During this spring-summer listening period, improved reception, particularly of European, African, Mid East and Asian stations will become evident during the hours of darkness, ie 0800-1700 GMT, on almost all bands, including 6 to 22MHz.

Watch for openings to Africa during December on the 15MHz band at approximately 1800 GMT.

Last year, during October, an extremely good opening was noted from East and North East Africa at around 1700 GMT on 3 and 4MHz. Summer time, nearly in force at this time, means it's not so early rising.

During the daytime openings to the Latin American area will be observed on 9, 11, 15 and 17MHz. Look for Mexico 15385, Brazil 17815 and Colombia 15335kHz. The various Brazilian transmitters on 25 metres (11MHz) will be heard after midday our time. On 8 November last year Venezuela was heard briefly on 15400 at 2000 GMT. It could reappear this year.

December last year revealed Nicaragua on 5920kHz at 0630 GMT, so possibly 49 metres is worth watching.

Asian signals should be heard during daylight hours due to the absence of the powerful European signals, etc.

With a reasonably calibrated communications receiver coupled to an external aerial, it should be possible to hear at least some of these stations. Good listening!

МОСКВА

ПАМО

Many members have been successful in verifying Radio Moscow transmitter sites this year, but how many of us know where those odd sounding places are located in the vast expanses of Russia. We hope to bring out a map of RM's transmitter sites shortly, so from you we want the following details: from your QSLs:

Site verified, Frequency verified, Time of Reception, Language/Target Area. This applies to veries from Moscow received this year only. Contributions to Box 2956, Wellington by 8 September at latest please.

Another healthy Mailbag this time round, the highlight this month being shared by Ron James and Ian Cattermole, QSLing the rare verifying, though regularly heard Radio Chinchaycocha in Peru on 4860 kHz. Ron was also lucky enough to receive a Peruvian coin along with his verification. A good number of other Latin Americans have been returning too, notable ones being Ribeirao Preto 3205, Ondas del Huallaga 3300 and another from Galapagos 4810, the latter appearing to be slightly more cooperative lately. Rhodesia has been verified on their two 90 metre band frequencies of 3306 and 3396 and another one is to hand from the Comoro Islands 3331. Now to the Mail.

STEVEN GREENYER Invercargill, has verified NBC Port Moresby 4760, Ribeirao Preto 3205, Tus Pantera 6105, Bucaramanga 4845, Huallaga 3300, Federacion 4960 and Juticalpa 4782. Some nice Latins there Steven!

JOHN CAMPBELL Newcastle, NSW but shortly to leave for Europe has QSL'd Federacion 4960, Guaiba 5965 and Venezuela 15400. Thanks John and be sure to keep us posted on your DX activities from Europe. Good luck!

PETER GRENFELL Oamaru, has sent three away and has veries to hand from WYFR 17845 and KTWR 15115. Keep sending them out Peter!

HARRY WEATHERLEY Mt. Waverley, Victoria has nine Latin reports out and veries from RCI 11845, Tezultlan 4835, Nueva America 4795 and Timbira do Maranhao 4875. Doing well Harry, and good to see you back in the pages.

BRYAN CLARK Wellington, has three reports out and QSLs from Jerusalem 21495, 21580, 21650, Vietnam 10400, Helsinki 11800, Rhodesia 3396, SCR Swaziland 4980, RSA 3995, SABC 3215, RCI 17860, 15440, 11915, 7155, 6150 Bandeirantes 6185, 11925 HCJB 21480, WYFR 21675 and NHK via Sines 9670. Good!

ARTHUR DEMAINE Auckland, has six out and seven in from NHK 15195, AFRTS 9755, VOA 17820, Korea 9525, Peking 11600, HCJB 9745 and Radio Australia 17795. Layout is fine Arthur, and welcome to the Times.

BARRY WILLIAMS Auckland, has QSL'd Moscow via Armavir 17730, Minsk 11745, Tula 12000, Kiev 12070, 11770, Kharkov 11950, Kharbarovsk 11720, Lvov 9700, Vinnitsa 11735, 11850, Kenga 11690, 11960, Moscow 9680, Nikolayevsk-Amur 12030 and Radio Manus 3905.

JIM BENZONI Hamilton, has sent three out and has veries to hand from KTWR 15155, Kiev 9580, RNZ 11800 (500th QSL), 9770, Iraq 11905, AIR 11775 (after 15 months) and Grenada 15105. Not far from no. 100 Jim!

PAUL ORMANDY Oamaru, has logged 53 and has verified Rhodesia 3306 (for country 150) NHK 21535, Radio Moscow via Leningrad 21600, RM via Tallinn 17700 (country 151) Ghana 3350, SBC 21585, Pakistan 21730 and AFRTS 21670. Excellent Paul & congratulations on no. 150!

TONY MARR Wellington, has three nice Africans in Comoro Islands 3331, Djibouti 4780 and Guinea-Bissau 5041. Good to see the DXpedition logs returning!

PHILIP HAMLIN Tauranga has logged 20 and has veries from Kiev 11780, RSA 17780 & Exterior de Espana 11945. Via BC try 0915 on 15160 for EE from Greece and from RAI at 1935 on 9575, 7290 & 7275 in EE to Great Britain. Times are GMT. Also check Bandwatch for 5990 at 0430.

JOHN ALLCHIN Auckland, has a few in from Brussels 9685, ELWA 4770, Ghana 4915 and Lagos 4990.

IAN CATTERMOLE Blenheim, has a good list with QSLs from VOA Tangier 7295, VOA 6125, 15400, 9565, 11850, 15125, RN Bonaire 15315, RN 17700, NHK 11840, 11725, 21535, Malaysia 6100, Radio Moscow via Frunze 17825, Kenga 15175, Tula 17880, Vinnitsa 11740, Khabarovsk 11720, Lvov 11750, RFI 11770, RRI Sorong 4872, Peking 12450, RAI 7275, 11905, 15345, Peace & Progress 15415 15230, 11740, AFRTS Philippines 21670, Baghdad 11925, Sutatenza 5095, Kiev 9775, Chinchaycocha 4860 (nice) & Su Pantera.

RAY CRAWFORD Invercargill, has veries from Austria 9605, Moscow 12000, Barquisimeto 9510, Ondas del Huallaga 3300, Maturin 5040, Capixaba 4935, Quillabamba 5025, Gaucha 6135, Nueva America 4797 & Bucaramanga 4845. Usual quality Ray, and keep 'em coming!

VICTOR GOONETILLEKE Sri Lanka using a RCA CR-88 and Collins 51J-4 has QSL'd Sweden 21660 and DW Montserrat 9545, Antigua 6040 both with full data cards. QSLs half the fun Victor! Thanks.

ARTHUR KINDELL Levin, has two away this month and has verified ZK5 5045, Rwanda 21540, & VOA Colombo 15185. Suggestions receiving consideration Arthur. Plan to print detailed map of Russian transmitter sites soon.

IAN HITCHINER Auckland, has QSL'd NHK 17755, Portugal 6025 and RN Bonaire on 9715. A few out from the Waiau Pa trip ?

JOHN MAINLAND Wellington, begins our second page with six reports out and veries to hand from Mexico 15385, Grenada 15105, Jerusalem 21495, 17630, RM Frunze 15435, AFRTS Poro 21670, NHK Sines 9670, 9685, Seoul 15205, VOFc 15225 and good one from Galapagos 4810.

BILL JOLLY Kawerau, has sent eight away and has verified VLH-11 11880, VLH-9 9680, VLR-9 9680, RM Frunze 17825, Khabarovsk 11720, VLR-6 6150, NHK 17755, RN Lopik 17700, IBA 9815, 15530, VLW-15 15425, Finland 17840, RA Shepparton 15320, Italy 11905, Belgium 9685, and AFRTS Bethany 11790. Good work Bill, and keep sending them out!

DAVID FELDON Rotorua, has six out and veries in from RSA 15220, 17780, Iraq 11925, Prague 17705, and RA 21455.

BILL HUDDLESTON Auckland, has logged 23, and has QSLs from RBI 21540, 17740, Sofia 9675, Finland 17785, RN Lopik 17700, Bonaire 15220, 17810, Austria 15335, RA Shepparton 9505, 21525, Moscow 11630, 9680, RM Vinnitsa 9530, RM Leningrad 21600, Peace & Progress 17820, Vilnius 11790, Kenya 4934, Madrid 9580, Sweden 15130 & Port Moresby 3925 with car sticker and pennant.

STUART FORSYTH Christchurch, has been kept busy with work but claims a verie from PNG 4760. CU.

DES DAVEY Te Kuiti, has four out and QSLs back from Radio Australia 9580, 17870.

MICHAEL BRYNE Charters Towers, Queensland has four to hand from Kiev 15470, Japan 15235, KGEI 9570 and Nigeria 11770. Have a nice trip to Brisbane Mike!

JACK SEARLE Haumoana, reports a quiet month with 11 reports out and veries from Peking 9480, Pakistan 17830, 21590, IBA 11655, RA Shepparton 17725, Grenada 15105, Baghdad 11905, Radio Moscow Kiev 12075, Kenga 11965, Serpahov 15450 and Ulan Bator 12070 with two pennants and 2 IRCs. A refusal from Moscow for their EE service on 7360 too, so Jack has sent a followup. Not bad for a quiet month Jack!

ALAN GILMOUR Greymouth, has seven reports away and three in from RRI Sorong 4875, Stockholm 9695 and Brussels 9685. Thanks.

GREGORY BAKER Auckland, is a new contributor and has made a good start with 19 out and QSLs from Japan 17880, NHK Sines 9670, HCJB 9745, Peking 11720 with pennant, RSA 17780, Belgium 9685, BBC 9410, Israel 11655, VOA 21610, Moscow 15130, RN Bonaire 9770, RA Shepparton 15320, Lyndhurst 15240. Welcome to the Times and Shortwave Mailbag Greg!

ALEX WELLNER Sydney, NSW where the sun shines has logged eight and verified IBA 11655, 15415, Baghdad 11905, RCI 6150, VOA Colombo 15185, Belgrade 15240, Sofia 9765 and 11750. Thanks Alex.

ARTHUR CUSHEN Invercargill, has QSL'd RBI 17700, Port Moresby 4760, KTWR 11730, KTWR 11780, NHK Sines 9685, HJGF 4845, Korea 11965, Finland 11800, and CBC Cyprus 9690.

GAVIN WATERS Wellington, has sent 15 reports away and has had QSLs from Spain 11840, Vatican 11705, and Baghdad 11925 for country 56. Gavin has just had his FRG-7 modified and reports encouraging results.

JACK FARROW Lower Hutt, has logged six and has returns from Israel 9835, Peking 11300 with pennant, Moscow 11850, 15460 and VOA 17820.

BRIAN GALL Palmerston North, has had success with Cook Islands 5045, Baghdad 11905, BBC Ascension 7105, HCJB 11900, 15300 and ORU 9685.

HAMISH CAMPBELL Hastings, has been quite busy with 15 reports in the mail, and QSLs in from Moscow 15460, RA Shepparton 15355, 9580, BBC Ascension 15105, AFRTS Dixon 15330.

RON JAMES Wellington has a lengthy list with Spain 9505, 11945, ZK5 5045, WYFR 11850 DW 21560ppc (with tx site Ron?), ORF 9650, RN Bonaire 21640 with sticker, KTWR 15135, RA Shepparton 11720, Carnarvon 21570, AIR 11620, Baghdad 11905, 11925, Kiev 11780, 15405, VOA Greenville 21485, TWR Bonaire 11830, BBC Ascension 9765, Hanoi 7377, Cuba 15340, OBZ4Z 4860 with Peruvian coin (good!) RFI 17850, Kuwait 21605, Radio Moscow via Lvov 11750, 9700, Tula 12000, Vinnitsa 11730, 11850, Kenga 11960, Kiev 11770, Khabarovsk 11720, Moscow 9530, and Ulan Bator 12070. Ron also has a pennant from XERMX but no success verifying them after several reports. Good month Ron!

DAVID OSBORNE Hastings, reports his first contribution for quite some time with QSLs from Korea 9525, RN Bonaire 9715, 21640 and AFRTS Bethany 9685. Welcome back!

BEST OF THE MONTH

UNDER 9 MHz

Comoro State 3331kHz 4kw 131 pts
TONY MARR

OVER 9 MHz

Radio RSA Johannesburg 17780 500kw, 102 Points.

PHILIP HAMLIN

SHORTWAVE BANDWATCH

Coordinated by Barry Williams and Mark Nicholls



The main news this month is the reported reception of the BBC relay at the new site on Masirah Island by Victor Goonetilleke. Masirah was heard on 7275 khz 0030-0200 replacing the Cyprus relay. According to the IDXC1 they commenced regular transmissions on the 1st August. Also of interest is Victors logging of Gabon on 6030 khz from their new transmitter site at Moyabi. Here in NZ the most notable logging was Lesotho 4800 khz heard by Paul Ormandy with the World Cup Final. Again those listeners interested in Latins came up with some nice loggings but it appears that the low frequency Africans were not as prominent as previous months. All bands seem to have been given equal attention, even the forgotten band of 40 metres.

TIMES IN GMT (Add 12 hours for New Zealand Standard time) Frequency in khz.

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
2428	0850	PAPUA NG.	R.New Ireland	fair with Pidgin and local requests	BH
				News in Pidgin at 1000. All other 120metre PNG stns heard also	BW
3240	0530	PERU	R America	fair to poor with S/S and E/E pops faded	0555 BH
3250	1956	INDONESIA	RRI Banjarmasin	very good signal on late at beginning of Moslem "Ramadan" festival sked for 5/8 onwards. Other Indonesians heard well at this time on 3215, 3223, 3395, 4764, 4789 and 4927 BC	
3315	1530	INDIA AIR.	Bhopal.	Good with EE news.	EW
3335	1300	INDIA AIR.	Gauhati,	different than other Indians, Christian music on Sun, and in general more like a PNG station. Good	GVC"
3350	1805	GHANA	Accra.	Good with news in EE followed by local language.	BH
3355	0725	NEW CALEDONIA.	French,	Good strength.	DO
3360	1108	PAPUA NG.	Milne Bay.	Fair with Island music.	DF
3380	1100	ECUADOR.	Radio Iris.	Always good at sign/on.	RC
3396	0526	RHODESIA	Gwelo with Home Service	African mx and annements. Poor	BH
3560	1420	PYONGYANG.		Good level in French. 20/7. Also in Korean 3320. Fair	GVC"
3905	0900	PAPUA NG.	Manus.	Good with local sports. Music, Pidgin.	BH
3935	1415	RRI Semarang.		Hearing after a long time. EE 1500-1730.	GVC"
4755	0800	R Nueva Mundo.	COLOMBIA.	Very weak. LA mx. AW" Half hour of (Noticias) at this time from around the world. Good signal.	RC
4765	0500	CONGO	Brazaville,	news in French.	AC
4780	1000	VENEZUELA	La Voz de Carabobo.	Poor at time of s/on. Not heard for some time. Not regular reception.	RC
4785	2000	TANZANIA	Dar es Salaam.	Fair over USSR HS with time signals and news in vernacs. // 5050 also this time.	RC
4800	1100	VENEZUELA	R.lara.	Occasionally good.	BC AW"
4800	1850	LESOTHO	Maseru with BBC World Cup Final.	Live idents at 1853 after half-time, commentary and until 2nd half. F/out 1913.	PO
4880	1030	VENEZUELA	R Universo.	Fair with LA music. ID 1030.	AW"
4932	0525	NIGERIA	Benin City,	Music programme and commercials after ID 0530. RC 0515 AC.	
4985	1937	MALAYSIA	Penang.	Fair with election results in EE 8/7	HJS
4990	1830	NIGERIA.		Ident end time check in EE. Fair.	HJS
5005	0800	BOLIVIA	R.Crystal	all night during Bolivian elections.	AC
5095	0856	COLOMBIA.	R.Sutatenza.	Poor.	CS
5107	1400	PAKISTAN.	Islamabad.	Home Service, Strong. 20/7.	GVC"
5345	1430	SOUTHERN YEMEN.		Voice of Free Southern Yemen reactivated after recent troubles. F/in around 1300 to s/off 1430.	GVC"

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>INITS</u>
5945	1900	AUSTRIA	Vienna	opens on this frequency, replacing 6155.	AC
5960	1100	USSR	Radio Moscow.	EE from 1100 and later. New move from a Far East Tx site weak but no QRM.	GVG"
5965	1000	BRAZIL	Radio Gaucha??	Excellent signal with talk prgm.	RC
5965	0130	BRAZIL	Radio Guaiba.	Fair 20/7 now that BBC has vacated channel.	GVG"
5969v	1030	DOMINICAN REPUBLIC.	Radio TV Dominicana.	Easy listening music programme. Fair to good strength.	RC
5980	0528	AFRICA	RSA .	Interval signal and Stn Ident 0529 then lost.	CS
5980	0400	ROMANIA.	Bucharest	in EE fair. Other half-hour // 11705 9690 and 0200 11940 // 11705 9570 0530 on 17850.	PO
6005	1530	AUSTRALIA	Carnarvon	1530-1730 . Drone noticable from Tx.	GVG"
6010	0500	PERU	Radio America.	Good with numerous commercials.	RC
6010	1400	MALAYSIA	VOA Tinang	new move ex 5955 Burmese 1400-1500 however 1500-1600 uses 5955 to India.	GVG"
6030	1700	FRANCEVILLE	GABON.	New Transmitting centre at Moyabi testing from 7am to 7pm GMT according to ID which also said using 15.3 to Europe, 9.65 to Middle East, 7.2 to W.Africa and 6.03 to Congo and Zaire. Experimental broadcasts. Heard fair to good only on 6030 tune in 1700-1800. S/off .13/7 WRTVH '78 says nothing in the FPL section but the back cover Thompson CSF advert says they installed 4x500 curtain antennas at Moyabi. Reports to C.I.A.C.M. , BP 270 Franceville Gabon.	GVG"
6035	1130	BOLIVIA.	Radio Panamericana.	Excellent signal.	RC
6035	2058	AUSTRALIA.	RA Carnarvon.	Good with World news in EE.	BW
6045	0400	BRAZIL	ZYS33	now heard all night but weak signal.	AC
6056	0925	PERU	Radio Continental	heard running all night fair to good signal with Peruvian music programme. 11/7.	RC
6065	0300	SPAIN.	Spanish National Radio	to North America. EE strong signal	DO
6075	1100	COLOMBIA	Radio Sutatenza	heard with good signal at s/on.	RC
6095	0304	POLAND	P.R. to North America	EE Poor.	PR
6100	0940	VENEZUELA	VYTO .	Time signal station heard at fair strength.	RC
6100	1800	YUGOSLAVIA	R.Belgrade	s/on EE fair , // 's not audible 7240,9620	PO
6130	0530	SPAIN.	Excellent for America	in EE at 0530.	AW"
6135	1300	SOUTH KOREA.	Korean programme	fair level for its 10kw. Heard daily.	GVG"
6150	0640	CANADA	R.Canada	English to Europe. AC	AC
6155	0915	JAPAN	F.E.N. with typical	AFRTS style programme also 15260 2230	PO
6170	1100	PHILLIPINES	DUH2	Manila fair with news, weather, plenty of advts.	PO
6195	1137	CHILE.	R Nacional. SS ,	strong signal news at 1140 JB Excellent	FB
6576	2040	NORTH KOREA	Pyeongyang,	poor in EE to Europe.	HJS
7105	0500	ASCENSION	IS. BBC	Fair reception.	BG
7135	0557	FRANCE	R France	good with music and news, in French.	FB
7260	0312	CANADA	RCI	Russian news strong.	IH
7275	0430	ITALY	RAI	Fair reception.	BG
7275	0030	BEC	Masira	0030-0200 in Indian vernac comes blasting in. Replaces Cyprus on this frequency since about 25th June.	GVG"
7280	0515	LIBERIA	VOA Monrovia	EE Breakfast show strong.	JB
7285	2337	MADAGASCAR	R Nederland.	relay fair in Indonesian with mx prgm.	BC
7360	2201	USSR	Moscow .	Fair EE off 2230.	HJS
9460	0942	CHINA	Peking	Excellent with news in EE.	FB
9505	0805	JAPAN	R Japan	good with Asian news.	FB
9505	2050	SPAIN	Spanish Foreign Radio.	Poor EE to Europe.	HJS
9505	1000	JAPAN	R Japan	EE S/on . Fair	JB
9515	2130	TURKEY	TRT	Strong EE // 7170 Sunk under VOA Greece.	PO
9540	0317	CZECHOSLOVAKIA	Prague ,	Good to Canada and North America with comments and programming in EE.	FB

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITIALS
9545	0125	MONSERRATT.	DW Relay	, fair EE Heavy QRM 0125 good tuning signal till VOA Kavala opens 0130. Then very poor. English transmission.	PO
9: 70	0740	AUSTRALIA	RA Mailbag.	Strong.	BW
9575	1000	USA	KGEI	opens in English 0830 to NZ.	JB
9585	0400	HUNGARY	R Budapest	DX Programme, Fair.	AC
9585	0305	HUNGARY	R Budapest	EE news and music. Fair.	DF
9585	0830	AUSTRIA	ORF	Poor with EE.	IH
9630	0600	SPAIN	RNE	Very good reception. // 11880	GW
9660	0900	VENEZUELA	Radio Rumbos.	Fair signal QRM from ABC Australia.	JB & GVG, BC
9665	2130	TURKEY	Vocle of Turkey	EE news. History of Turkey.	RC
9700	0515	USA	AFRTS	CBS News poor through QRM.	AC & GVG & BH
9705	0432	ALGERIA	RTA	Strong AA.	JB
9710	1940	ITALY	RAI	with EE to Britain good // 7275.	HJS
9715	0830	BONAIRE	R.N.	News items, good reception.	BH
9760	0200	GREECE	Voice of Greece	EE good // 11730.	ABD
9770	0300	CAIRO	Arabic service	severe QRM to VOA Kavalla EE 0300 both s/on unlisted Cairo frequency.	PO
9790	2230	USSR	R Moscow	fair EE // 7360.	GVG"
9912	2102	INDIA	AIR.	Good with news in EE.	HJS
9915	0500	GREAT BRITAIN	BBC	S/on EE news strong.	FB
11655	2000	ISRAEL	IBA	EE to Europe and Africa good news .Political events.	JR
11705	0220	ROMANIA	R Bucharest	EE to Nth America. 0400 Fair.	HJS & PH
11780	0000	SWEDEN	R Sweden.	Excellent with news to Latin America.	AC
11740	0530	VATICAN	. News	, Fair.	FB
11740	2100	INDIA	AIR	To Australia. Good.	DF
11750	0430	BULGARIA	EE	to North America. Strong.	DF
11780	0240	CUBA	R Habana	SS music, ident 0300. Fair.	DO
11770	2130	GUAM	KITWR	Good with technical tests and adjustments asking for comparisons between this and 17830 at 2145 then 15175 at 2200	IH
11770	0615	LAGOS	Weak	to fair in EE at 0615.	GW
11775	1030	INDIA	AIR	Good in EE Programme on s/rts.	AV"
11940	0930	SINGAPORE	R Singapore	. poor reception.	ABD
11795	1000	GUAM	KITWR	Good with EE.	BC
11800	0400	SEYCH ELLES	FEB	A strong EE at s/on with gospel prgm.0445.	CV
11615	1140	BONAIRE	TWR	to Pacific good level in EE answering letters to their Gospel programme at 1140 reception via long path. 21/7	PO
11765	2130	GUAM	KITWR	Frequency testing. Fair.	GVG"
11840	0422	ROMANIA	R B ucharest	Poor in EE to North America.	DF
11845	2128	SWEDEN	Stockholm	to Europe EE news. Panorama.	HJS
11845	0100	VATICAN CITY	fair in EE	. Also to Aust/NZ 2210 //11705,15120, 9615 khz .	BH
11880	0515	SPAIN	Madrid	EE broadcasts to NA .Also 9630 khz . Excellent	PO
11940	0200	CANADA	Montreal	mixed with Romania .	AC, PH
11940	0749	SINGAPORE	.R.Singapore	Poor with EE service . PR. Hrd 0930	AC /FB
11955	2330	MALAYSIA	BBC	Tebrau fair // 15435 khz .Also 0200-on 15375 khz .	BC
11960	0500	ISRAEL	IBA	good with 15 minutes of EE news . //15105,17685 .	PO
11960	0031	USSR	R.Moscow	fair with news in EE .	PO
12095	0600	GT.BRITAIN	BBC	fair with EE news	JT
15084	0144	IRAN	R.Teheran	Excellent with program in Persian .	JT
15180	0615	USSR	R.Moscow	Good on Sundays with DX program in EE .	FB
15185	0100	SRI LANKA	VOA Colombo	fair /good in EE .	HJS
15220	2030	MADAGASCAR	R.Nedeland	Talata good in EE .	PO
15230	0315	CUBA	R.Habana	.Very good with music and news .	PO
15250	2232	ROMANIA	R.Bucharest	. Good in SS to SA .	AK
15315	0102	ITALY	RAI	EE to NA at good level .	FB
15320	1100	USSR	R.Peace and Progress	.Good in EE // 15415 khz	DO
15330	0000	BULGARIA	.R.Sofia	Fair in EE to 0100 .	PO
15345	0500	KUWAIT	R.Kuwait	, Good with EE pops to 0800 .Also 12085 at 1930	PO
15420	1115	INDIA	, AIR	fair in EE . Also 2100 on 11740,9535 and 9912 khz	PO

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
12755	0220	JAPAN	R.Japan	Fair in EE to NAmerica	IH
17795	0400	ITALY	RAI	Heard with poor signal .	BG
17840	0435	AUSTRIA	Austrian Radio	Fair with EE to Aust/NZ .	DO
17855	0900	AUSTRIA	Austrian Radio Vienna	s/on 0900 to New Zealand	AC
21480	2100	ECUADOR	HCJB	transmission to Europe	AC
21625	0715	PAKISTAN	R.Pakistan	.Good with Urdu Service on this new freq.	BC
21640	2030	BONAIRE	R.Nederland	EE to Africa at good level .	GW
21685	0445	BANGLADESH	R.Bangladesh	fair with EE to 0500 . // 17890,15400	PO
21745	2020	PORTUGAL	RFE	with excellent signal in Bulgarian . No jamming	BC

22 contributors to Bandwatch this month . Again any loggings that had featured in the last two issues of Bandwatch were omitted . Our thanks to the following

FB	Frank Burgess	BW	Barry Williams	PO	Paul Ormandy	BC	Bryan Clark
AC	Arthur Cushen	GW	Gavin Waters	DO	David Osborne	BG	Brian Gall
CS	Cecil Symmes	DF	David Fendon	AK	Arthur Kindell	PH	Philip Hamlin
JB	Jim Benzoni	JF	Jack Farrow	HJS	Jack Searle	AD	Arthur DE Maine
FB	Frank Burgess	BH	Bill Huddleston	IH	Ian Hitchener		
AW	Alex Wellner	PR	Paul Rawdon	RC	Ray Crawford	and	G.Victor

Goonetilleke in Sri Lanka .

A Mini Survey of English transmissions in the 19 and 16 metre bands was compiled by Cecil Symmes . Listed below are the stations Cecil had noted last month . Ratings are P - Poor ; F - Fair ; G - Good ;

15045	0920	R.Peking	F	15205	1955	Morocco VOA	G
15070	1950	BBC	P	15230	2000	R.Moscow	F
	0533	BBC	F	15235	0935	R.Japan	F
15105	0701	R.Japan	P	15285	0935	Malaysia BBC	F
15120	0636	Nigeria	P	15295	0830	Malaysia VOM	F
15130	0919	R.Moscow	G	15305	0723	Switzerland SBC	G
15160	0409	Greece VOA	P	15330	0720	Greece VOA	P
15170	0925	R.Moscow	P	15410	0834	R.Moscow	G
15195	0709	Morocco VOA	P	15460	0500	R.Moscow	P

17695	0943	Gt.Britain	BBC	P	17775	1950	Ecuador	HCJB	P
17635	0845	R.Peking	F	17785	2005	VOA	Greenville	P	
17685	0505	Israel	F		0815	VOA	"	G	
17705	0850	Gt.Britain	BBC	F	17795	0710	R.Japan	P	
17710	2035	VOA	Bethany	P	17800	1933	Germany	DW	P
17705	1020	India	AIR	F	17810	0925	R.Moscow	P	
17715	2207	Chile	G	17815	0817	R.Moscow	P		
	0915	Chile	F	17820	0928	R.Moscow	P		
17720	1945	France	P	17820	2230	VOA	Dixon	F	
17725	0057	R.Japan	F	17825	2345	R.Japan	P		
17730	0800	R.Moscow	G	17825	0900	R.Moscow	G		
17740	2210	Philippines	VOA	F	17835	0505	R.Moscow	G	
17755	0210	R.Japan	P	17840	0435	Austrian Radio	G		
17765	0450	USA	AFRTS	F	17855	0535	Romania	R.Bucharest	
17785	1955	Chile	F	17855	0115	Guam	TWR	G	
17765	0956	R.Moscow	F	17860	0743	R.Moscow	F		
17765	1000	Philippines	VOAP	F	1785	0940	Finland	F	
17780	0553	Sth.Africa	RSA	G	17880	0502	R.Moscow	P	

Radio Australia has not been included in this list and naturally there are many other English transmissions on 16 and 19 metres .

Contributions from Dave Webber, Paul Ramsay & Don

Mitchell received after closing, and held over for next month . Don - yrs obviously posted in plenty of time, so postal gremlins strike again!!! MASIRAH ISLAND BBC has had SW relay on 7275 since 25/6 with Bengali 0030, Hindi 0050, Urdu 0110, Hindi 0140-0200 . Since 11/7 7230 has carried Persian 0215-0230 . DL . Radio Australia hrd in Vietnamese on 11895 at 2230 . Possibly Carnarvon new freq replacing 11935 . JM .

ARTHUR CUSHEN'S SHORTWAVE REVIEW

15

Already schedules which come into effect on September 3 have been received and Austria is to use two new frequencies in the 13 metre band while other stations plan frequency changes. Gabon testing with high power should be heard in this area when interference permits while 49 metre South Americans are in abundance during our late evenings. This report was first broadcast on Radio New Zealand mediumwave and shortwave on Sunday August 6 at 1015GMT. All times GMT, all frequencies in kHz.

Australia: Radio Australia from September 3 will use four new frequencies 5955kHz 1730-2030GMT, 5970 1215-2030; 11835 0645-1000; 11855 2300-0100.

Austria: Vienna from September 3 to Australia and New Zealand 0400-0600GMT 17740kHz; 0600-0700 21470; 0700-0900 17720; 0900-1300 21715.

Bolivia: Radio Crystal 5005kHz heard all night during recent Bolivian elections. 6125 Radio Stentor returned to this frequency from 6173 and heard at 1100. Radio Batallon 6185 opens at 1100 and has a bugle call at 1130.

Canada: A new frequency 17780kHz has replaced 15105kHz for the period 2100-2157GMT. Radio Canada advises of a power reduction from 250 to 125kw due to technical difficulties on the transmission on 9535 0030-0127 and on 11845 0130-0427GMT.

Colombia: Radio Sur Colombiana 5010kHz heard at 0600GMT with Caracol Network call.

Costa Rica: Radio Universidad 6100kHz opens 1200GMT having moved from 6105kHz according to Ray Crawford of Invercargill NZ.

Cyprus: Cyprus heard in Greek on 9695kHz replacing 9690 Friday, Saturday and Sunday 2215-2227 to the United Kingdom also using 6155 and 7190.

Finland: Helsinki in English to Australia and New Zealand 0930-1000 on new 17875kHz replacing 17840kHz according to John Mainland of Wellington.

Gabon: Four new 500kw transmitters now being used on a test basis from 0700-1900GMT on 6030, 7200, 9650 and 15300kHz. The station is asking for reception reports to Box 270, Franceville, Gabon according to Richard Ginby. Reception in New Zealand on all channels is spoilt by interference.

Mexico: XEQM 6105kHz opens at 1100GMT with full station announcement has some English recordings, but mainly Mexican music and is verifying reception reports.

Norway: Oslo from September 3 to Australia and New Zealand using a new frequency for the broadcast 0700-0830GMT 11850kHz replaces 9590 and they will also use 15135 and 15175. To West Australia 1100-1230 are using 17800kHz replacing 15175 and will also use 21730kHz.

Pakistan: Radio Pakistan heard on 21625kHz 0715-1100 in Urdu and 1100-1115 with slow speed English news. Also using 17665kHz.

Spain: Madrid has retimed its English to North America and is now 0000-0200 and 0515-0615 on 9630 and 11880kHz the broadcast not on Monday. To Europe 2030-2230 on 9505, 9580, 11840kHz no broadcast on Sunday. The address is now Box 150039, Madrid 24, Spain.

Turkey: Ankara now using two new 250kw transmitters and broadcasts in English to Europe, Africa and North America 2130-2255 on 7170, 7270, 9515 and 9665kHz.

U.S.A.: KGLI is now using 9575kHz in place of 9505kHz for the English broadcast 1000-1100GMT. WYFR has been noted in English to closing at 2255GMT on 21675. The broadcast is also carried on 15440kHz and this transmission originates from Okeechobee Florida transmitters.

Vatican: Vatican Radio is using 15120kHz replacing 7235kHz in English to New Zealand 2210-2225GMT also on 9615 and 11705kHz. Due to jamming and VOA interference 15120 could be replaced by 15125kHz.

JOHN DURHAM - YOUR SW NOTES ETC, CORRECTLY ADDRESSED & AIRMAILED ON 3 AUGUST, WERE RECEIVED AT BOX 2956 ON THE EVENING OF 15 AUGUST! A REAL BAD MONTH FOR MAIL DELAYS !!!

..sign off..

NEW ZEALAND RADIO DX LEAGUE

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RADIO NACIONAL DE VENEZUELA has announced that it will be increasing power to 1000kw and changing its name to La Voz de Venezuela within the next few months. The Minister of Information & Tourism said that the move would make the station the most powerful in Latin America. Blumberg, SCDXers 11/7
FUTURE PLANS FOR AUSTRIA. ORF has plans for a major face lifting operation. In addition to adding new high gain antennas, a new 250kw transmitter is under construction at Moosbrunn, and should be operational by 1983. Thornton ASWLC 7/78

WYFR FAMILY RADIO's Okeechobee, Florida site is scheduled on 17845 and 15440kHz at 1700-1900, 2000-2100 and 2100-2300. WRTVH NL via SRK (21675 is Okeechobee too, from 2000-2250. BC)

FALKLAND ISLANDS Broadcasting Service has increased power on 2370kHz from the former 500 watts. New output not yet known. Short SCDXers 11/7

HAITI All SW stations are currently inactive, including 4VEH, which is reappraising its SW facilities. Likewise, there are no currently active SW stations in EL SALVADOR. Victor Jaar FRENDX Update 7/78

INDIA The Indian government has approved a proposal for the construction of 2 SW transmitters of 250kw for AIR external services. A project report on the installation of 2 more 500kw transmitters for the external service was also approved. Krishnamurthy DXCI

RADIO CLARIN announced that its SW broadcasts on 11700kHz would be cut back to 5 hours a day, from 2300 GMT s/on., following the victory of the opposition Revolutionary Party in the recent elections, and resulting from uncertainty about the new governments policies. Clarin was an active supporter of incumbent President Balaguer and defended the military's closing of the Electoral Centre after the opposition candidate took a clear lead. SWNS via SCDXers 20/6

GUATEMALA DXers interested in becoming monitors for the new Adventist World Radio station in Guatemala should write to Robert Folkenberg, AWR, Apartado 35-C, Guatemala City, Guatemala. It is planned to have the station on air by September with 20kw. Stickle SCDXers 18/7

market square

WANTED: A "Nigel Robins Loop Booster".
Please write to Ian Cattermole,
213A Scott Street, Blenheim.

MALTA CALLING is presently aired by Radio Malta on 5980kHz at 2045 Saturday SCDXers

CHILE. According to the local Chilean Embassy, The Voice of Chile is beamed to Australia/NZ for its transmissions at 1100-1130 and 1230-1300 on 11925 & 17800kHz, and 1430-1500 on 11925kHz. Cecil Symmes

RADIO FINLAND has tightened its QSL card policy. Since 1/6 the minimum details required for a verified report are - date, time(GMT), frequency, programme subject, comment on programme, and reception conditions. A series of monthly QSL cards is also being introduced. SCDXers 4/7

NEW HEBRIDES BROADCASTING SERVICE has been formed out of the two former Residency Broadcasting Departments (British and French) and the unified organisation is located at Melitico House, in the centre of Vila, headed by Mr Jean Massias. N.H. News via Kelvin King

FEBC's planned SW station on the island of Saipan will be delayed until a lease for 12 acres of land can be obtained. FEBC say they aren't anxious to get the station on the air as the Philippine and Korean stations of FEBC are operating "unmolested". Also, environmental factors are being taken into account. The MW outlet on 940 is now operational with 1kw, and will increase to 10kw in the future. Programming is in EE, and a local language will be added later. Mike Hardester ASWLC 7/78

VOICE OF PEACE. Further to the "Sign Off" item in our June issue, Abie Nathan recently ended a 45 day hunger strike after the Israeli Parliament, the Knesset, passed a unanimous resolution appealing him to stop. During the hunger strike the Voice of Peace cancelled regular programming and played continuously John Lennon's song "Give Peace a Chance". Purpose of the strike was to get an Israeli declaration that there would be no more Israeli settlements in occupied territories. SCDXers 11/7