

N.Z. RADIO



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# NEW ZEALAND DX TIMES

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## CHANGING TIMES

New Zealand and Australia change to Summer Time on Sunday 29 October and continue until 3 March next year. NZ will be 13 hours ahead of GMT for this period, but as is customary, all times quoted in the DX Times remain in GMT. Across the Tasman, the states of Victoria, NSW & Tasmania will be GMT+11, and South Australia GMT+10½. Other states however remain on standard time - Queensland GMT+10, Northern Territory GMT+9½ and Western Australia GMT+8. The only other countries observing daylight saving time in the Southern Hemisphere this coming season would appear to be Lord Howe Island (GMT+11½), Chile (GMT-3) and Easter Island (GMT-6), the last 2 for the period 15 October to 10 March. BC

## QUOTABLE QUOTES

"A new shortwave service is being planned to provide a wider and more reliable overseas coverage."

From a 1978 report of the Communications Working Party of the National Research Advisory Cncl.

"New Zealand's high frequency external services are comparatively small in relation to countries with which it might reasonably be compared on grounds of size or location, and similarity of interests."

From the Report of the Communications Commission, April 1978.

## REQUEST FROM ALL INDIA RADIO

The Audience Research Unit of All India Radio's External Service Division plans to conduct a panel survey and systematic feedback on its broadcast beamed to NZ. League members who would be interested to become members of such an Audience Research Panel for AIR should send their name, postal address and a brief biographical sketch (eg age, years interested in SW radio, receiver, etc) to the Editor, NZ DX Times, P.O. Box 2956, Wellington, no later than 21 October. Applications will then be onforwarded to New Delhi.

## CONGRATULATIONS

A salute to the National Radio Club on their 45th birthday last month! NRC is the World's oldest and largest all medium-wave DX Club and it's magazine DX News appears some 32 times a year. Subscription rates to NZ are US\$22 airmail and US\$18 surface mail. Membership Centre address is P.O.Box 118, Poquonock, Conn. 06335, USA. The fifth edition of the NRC Domestic Log (a must for avid North American BCB DXers) is just out, and we hope to have further details soon.

## SHORT-TERM WARRANTS

Both Radio NZ and Radio Avon have been granted short-term broadcasting licences during the Ashburton Centennial Celebrations later this month. No other details to hand, but we understand the RNZ frequency will be 870kHz, with testing already noted. Apparently Radio NZ have a station planned for Lake Karapiro near Cambridge, during the World Rowing Championships in early November. Watch out too, for Radio K Waikouaiti/Palmerston due on during October, per pages 3 and 6 last month. Info really scarce on these!

## BOX 2956

Philip Hamlin, 40 Churchill Street, Tauranga is keen to get in touch with other League members in his area. Penelope Warner of Napier has enrolled in the German language course offered by Deutsche Welle. She has just received the cassette and textbook, and she comments that the course is very good. Our sympathy to Tony Marr on the recent loss of his father; also to the family of the late Norman McVeigh of Tauranga.

CLOSING DATE FOR NEXT MONTH: 12 NOON on MONDAY 6 NOVEMBER. PLEASE SEND DETAILS OF YOUR DXING AND QSLs TO BOX 2956, WELLINGTON. ENTER THE B.O.M CONTESTS TOO!

30th Annual General Meeting of NZ Radio DX League - Oamaru - Saturday 14 October 1978 at 2.00pm

## 2 FROM THE BRANCHES

SOUTHLAND The September meeting of the Branch was held at Irene Simpson's with 11 present and 3 apologies. Members stood in silence as a mark of respect to the memory of Merv Branks. Discussion centred around the League's annual general meeting at Oamaru on 14 October. Branch President Steven Greenyer reported plans were underway for a display at the National Bank, and the possibility of a static display at a Leisure Fair was discussed. A Listening Weekend at Tiwai was suggested for November. Mr Peter Lankshear from BCNZ Transmission Staff spoke to members on receiver design and aerials for DX and covered a wide field in a very informative discussion with ample illustrations of the fundamentals of better reception. Competition Results: BCB Eric McIntosh Singapore 990 20kw; SW Ray Crawford Berne 21585 and HCRP7 Ecuador 3315 2kw. Next meeting at Eric McIntosh's, 5 Wilfred Street, Invercargill on Tuesday 24 October.

OTAGO The recent exhibition netted the branch \$131.74 of which half was shared with the local branch of the NZART (we were confused as being one and the same thing!). We also attracted 7 new members in one month, and we trust that Messrs Anderson, Clement, Garry, Rackley, Hunter, Barnett and Ellis will not regret their decision. An approach has been made to the NZDXRA to hold a joint meeting and we hope this eventuates soon. Our new secretary is Pete McKellar, 142 Albany Street, Dunedin. Phone 78178. There will be no meeting in October due to examination commitments of several members.

NORTH OTAGO The September meeting was held at the Listening Post with 8 members present and 2 apologies. The Family DX Weekend at Camp Iona was quite successful in spite of atrocious weather and some of the juniors logged up to 9 stations. The 1978 League AGM will consist of luncheon at the Brydone Hotel in Oamaru, the meeting proper in the Whitestone Lounge at 2pm, a light snack to follow at the L.P with DX in the evening. Calls have been requested from Radio Avon and HCJB to mark the occasion. Best of Month winners were Graeme Tee with Vatican Radio and Paul with 3YW. Bill Delman and Ian Craig from NZART were present later in the evening to talk about use of the Listening Post, and it was agreed to hold a combined auction on Saturday 28 October. The next Senior meeting will have Mr Mullen, an early DXer, as guest speaker. Meeting dates are - Juniors 5 October, Seniors 19 October.

WELLINGTON The September meeting, held at John Mainlands on the 29th, was attended by 8 members, with 5 apologies. The planned talk by Geoff Hagggett of RNZ had to be postponed due to an unforeseen clash of engagements. Instead the meeting featured a most interesting talk on vintage radio and DX by Ray Kelly. A welcome was also extended to new branch member Ben van Asbeck. Competitions: SW Senior to John Mainland Israel 25605 and Swazi Commercial Radio 4980. SW Junior Chris Mackerell Garoua 5010. Next meeting will be held at Bruce Williams, 82 Pirie Street, Mt Victoria at 8pm on Friday 27 October, and will feature a talk by Geoff Hagggett, the man behind the Shortwave Service of Radio New Zealand.

AUCKLAND 17 members attended the September meeting held at the NZART Clubrooms on the 24th. After general business Bryan Marsh gave a demonstration of his new Sony ICF 6800W. This impressive new receiver will be on show at the next 2 meetings. The proposed branch DXpedition to Waiiau Pa over Labour Weekend has had to be cancelled due to the site being booked out. The next meeting will be held at the Western Suburbs NZART Clubrooms on Sunday 29 October at 2.00pm.

### DXPEDITION TO CAMP IONA by Paul Ramsay

A DXpedition (or camp where people participate in the hobby of DXing) was held by the North Otago Branch of the NZ Radio DX League at Camp Iona on 9th and 10th of September. 11 members and their families or friends attended the 2 day event, during which such stations as the Uganda Broadcasting Corporation, Voice of America, and the Voice of Chile were reported. As well as the variety of stations reported, the radios varied from an early Columbus Model 90 to an Eddystone 680X. According to Junior Section President Richard Kitto, "the camp was a great success and should be made an annual event".

BROADCAST DX notes rec'd after closing date....

CHRIS MACKERELL Wellington, but off to East Cape this month, has returned from Canberra with logs of 2CA, CC, CN, XX, ST, 7LA, 2EA. Also ABC FM in Sydney, Canberra and 2MBS Sydney.

DEXTER POWLEY Dunedin has verified 2YD 126C. Welcome back Dexter!

PAUL ORMANDY Oamaru has a QSL from cnt 60 - Austria 1475, and logs: 5RM, KLIV.

DAVID RICHMOND Christchurch reports RNZ ChCh tone test 1190 27/9. Verifies 2YD, KCEY, KDLG 670 (NZ 1st), KLO, KPWA, KPOI, KNUI 1310, KIVM 1350, KUMU. Only KLEI needed to QSL all Hawaiians!

# BROADCAST DX

por el personal necesario

3

Again this month members appear to be taking a rest, perhaps in anticipation of the frequency changes in November when there will be lots of interest. The date of November 23 is looked forward to by many. The whole broadcast band will offer many new challenges and it is anyone's guess just what reception conditions will be like with only nine kilohertz separation and the North American stations will become 'splits'.

David Riquish of Christchurch reports tone tests on 1190kHz conducted by the BCNZ with 1kW from a transmitter located in Lower Styx Road, near the Canterbury Branch's DX Bach at Spencerville, and about 3 miles from the transmitter sites of Radio Avon and Radio Rhema.

Radio Rhema will start broadcasting later in October on 1575 kilohertz. Trans Tasman DXers will have about a month to log Rhema solo on this channel. Keep an eye out for it from 1700GMT from late October. D.Riquish.

There is no word yet about the proposed stations in Ashburton and Oamaru coming on the air as newspaper reports show that there are appeals to be heard following a decision by the Broadcasting Tribunal. Ashburton was hoping to have a station operating for its centennial celebrations but as yet no details are to hand.

Into the mailbag for this month;

HANK WILKINSON, Santa Rosa, California, USA reports loggings of 4BH, 2BY, Tahiti 740, South Korea 880, 890, 4QL. A nice start to the season.

DENE LYNNEBERG, Wellington has a lone report out to Portugal 1594. Veries in from DWRP 1470, KVEN 1450, Iran 1386, 1ZB 1070 and 2YD 1260. Ta.

ALAN GILMOUR, Greymouth, reports no reports but QSLs from KAIM and BBC Masirah 1412.

MARK NICHOLLS, Auckland, has seen no action this month but verified 3DB, 2KM and KHVH. Hope the set recovers.

PAUL RAWDON, Wellington has nothing out and a lone verie from 2YD.

LEIGH MORRIS, Palmerston North, has found conditions poor and nothing new reported. Veries from KRLA, KSL, KPMC, and 1XX Murapara 1240. A nice one.

BOB HOMEWOOD, Papakura has veries in from 1ZA, 1ZU, 2ZG, 3ZA, 3ZC, 4XO, 2GN, 2KM, Noumea 670, KTOM and 2YD.

BRYAN CLARK, Wellington has QSLs from 2QN, 2CN, 2YD. No reports away again. Looking forward to results of your East Coast trip. We'll be thinking of you from Coolum, hi!

JIM GORMAN, Papakura has logged 2NC, 4BC, 2BA, 4YZ, 2NX, 1YE, 2GZ, A3Z 1020, Moscow 1250, VOA Thailand 1580, 4YA, 4QB, 1Z0, 3YC and 4WK. Veries in from 4QD, 4QR, A3Z, 3XA, 2KP, 1YE, 2XW, 2SM, 1Z0, 2ZM, 4BC and 2GZ who advise they will soon be going to 5kW and will move to 1089 from 990 in Nov.

PAUL RAMSAY, Oamaru has reported 2ZP 1050, 3YW and 2SM and verified 3YW. Ta.

STUART FORSYTH, Christchurch reports a lean month with reports out to 3CV and 5PI. Veries from 5KA, 2LT, 2YC, 2CY and KFI.

STEVEN GREENYER, Invercargill has a lone verie in from 2YD.

ASH NALLAWALLA, Dunedin has QSLed 2YD and JOTF after 33 months. Good luck with exams.

IAN WELLS, Dunedin has reported Hauraki, 7ZL, 3ZM, Avon and no veries. They'll come.

DUNCAN WATSON, Edgecumbe is another with no reports out but veries have come from 2MG, 2NA, 2XA and 3YR.

ARTHUR CUSHEN, Invercargill has one lone verie from Iran 1566.

IAN CATFERMOLE, Blenheim has a lone verie to hand from 2MG.

JOHN ALLCHIN, Auckland has a report away to 2BS and veries in from 4QA, 4AM and 2YD. Thanks for the thoughts, you will read the results, hi! RC.

CHRIS MARTIN, usually of Sydney has reported JOAR 1053, Tunisia 1570, D.Welle Malta 1554, RNE Mercia 854, Rome 845, Genoa 1578, Syria 827, Tabriz 1026. Veries in from KAGO 1150, Livingstone 1520, Angola 1088 and La Voz de Africa Livre 1000, a world first tnx to JC.

RAY CRAWFORD, Invercargill has veries in from Qatar 952, Zambia 818 and 1070 for countries 155 and 156. Fantastic.

SUTTON BURTENSHAW, Invercargill has a lone verie in from 2YD 1260. Hope the Aussie holiday went well.

MORNING TRAIL.

Courtesy Robin Chambers.

- 539 Kuwait Exc. 1800 4/9.
- 557 Quazvin Strong 1800 4/9.
- 580 Alley Good on W.Bev 1715.
- 590 CC exc 1840.
- 611 Nairobi Swahili fair 1905 On W.Bev. 16/8. Good 25/8.
- 620 Cairo Reg. 1840.
- 638 BBC Cyprus good 1840 12/9.
- 665 Damascus fair-good 1840.
- 674 Qatar good 1815 19/8.
- 737 Israel strong AA 1745, EE at 1800, FF 1825. fair.
- 746 Kenya heard briefly // 611.
- 773 Cairo starong 1840.
- 809 Abu Dhabi poor 1815 8/9.
- 818 Cairo 1905 16/8.
- 827 AA strong Reg. Libya?
- 836 RR good 1840 18/8.  
Beruit fair chants 1805 8/9.
- 854 Harrar good 1910 10/8. Good 1855 22/8.
- 846 AA strong 1843, heard several times.
- 899 Milan poor strong, Het against NZer 1840 4/9.
- 905 Eastener Asian fair 1845 18/8.
- 908 Baghdad fair 1840 18/8.
- 926 Izmir poor 1855 19/8.
- 944 AA here good 1905 22/8 not Ethiopia.
- 953 AA 1915 17/8.
- 963 Mogadishu fair 1910 10/8.
- 1025 Yavneh fair 1905 4/9.
- 1035 Oman fair-good 1905 4/9.
- 1047 DXLL good 1905.
- 1070 AIR exc. 1910 16/8.
- 1097 Alma Ata good 1826 22/9.
- 1106 Cairo exc. 1935.
- 1133 Kuwait AA good 1855.
- 1155 Tanta good on peaks 1853.
- 1205 Indonesia fair 1905 18/8.
- 1214 Albania good int. sig. 1900.
- 1295 Sudan good 1905 10/8.
- 1376 Lille FF fair-good 1907 21/8.
- 1394 Albania? poor 1905 10/8 Austria mixed Albania fair good 1910. SS fair on W.Bev 1919 weak until 1936.  
?? Unknown good with song in FF then silent carrier 1915 25/8.
- 1412 Oman regular.
- 1421 Saarbrucken fair-weak 1905.
- 1425 Indonesia fair 1905 18/8.
- 1466 Monte Carlo good 1840, over RR 1820.
- 1475 AA Type weak-fair 1915.
- 1490 JJ fair 1830 NW Bev.
- 1493 RR fair-good on NW.

- 1495 Thai good 1900 18/8.
- 1520 Kosice thru NZer 1805 22/9.
- 1529 Vatican Radio fair good 1755.
- 1554 Nice good 1840.
- 1566 Iran exc 1830 4/9.
- 1570 DW Malta good 1840 8/9.
- 1575 Sharjah fair 1840 14/9.
- 1578 Italian fair 1840 14/9.
- 1586 GG exc 1801 22/9.
- 1580 FEN Iwakuni very good full ID 1800.
- 1602 GG Fair 1800 22/9.

MAILBAG CONTINUED.

Robin Chambers Opunake. Reports out to Harar 854, 7SD, Sofia 1610, Tanta 1155, 3YW, 4AT, 1ZM, WMEE, DW 1554, Libya 827. Veries in from 2SM, 2WN, Iran 1566, Athens AFRTS 1594, 1ZM, 3YW, thanks for excellant trail.

**BEST OF THE MONTH**

AFRTS Athens Greece, 1594 kHz 1kw  
161 pts. Robin Chambers.

Some info on the best of the month. Verie signed by, Chief Engineer, Ralph E. Stuhl, OL-C, Det 5, 7122 BSQ, APO 09223 New York.

They are located at Athens using 1 kw and a 40 foot vertical antenna, They have not had such a distant report before, but have received reports from Norway, Sweden, Austria, England and Italy. They will be moving to 1584 kHz on November 1. R.Ch.

STATION NEWS.

SRI LANKA. TWR Puttalam Sri Lanka 890 began regular modulated tests to India on 6 June but these were halted 10 days later when the base insulators of the tower started giving way. Tests resumed around 1 August 1 and the installation was turned over to the SLBC on 5 August at a ceremony attended by the Minister of Broadcasting. TWR will have the use of the 400 kw Thomson CSF transmitter from 1330 to 0130 and SLBC from 0130 to 1330 GMT.

UADX

Excerpts from an essay by Antonio C. Barreiro, Deputy Chairman of the Philippine Broadcast Media Council, delivered at the 5th Advertising Congress in 1977. In brief, it is a summary of problems encountered in local broadcasting in the Philippines and the measures the Broadcast Media Council (the regulatory body for radio and television) has taken, or is taking to improve its state.

In every society, the birth of an industry and its unabated growth always pose the problem of control. This is especially true of broadcasting. Long ago, the radio and television industry had expanded to the extent that competition became acute, and operational goals became markedly self-centred.

The basic problem was: How may broadcasting be run and so regulated as to make it responsive to the public or the overall national interests, without, at the same time, prejudicing the private goals of the business corporation?

This question had overwhelmed broadcasters but without in any way immobilizing them. There were significant moves by networks to unify broadcasters and put an end to the 'bitter rivalry and cut-throat competition'. Efforts made seemed to have left only minor dents in the system whose basic problem, was a lack of unity and cooperation.

Distinct changes only began to take shape after restless broadcasters decided to form an association that could actualize the vision for self-regulation. This was the Kapisanan ng mga Brodkaster sa Pilipinas which was organised in April 1973. When the Broadcast Media Council came about a few months later, the two joined forces and began to work on matters of common concern. As soon as the BMC-KBP was firmly established a massive reform took place in the industry. The development scheme used a total-approach and encompassed almost all aspects of broadcasting. The common complaints referred to poor quality of productions, insufficient funds and over-commercialization of broadcasting in general. None of these could be eliminated in a single sweep.

A comprehensive plan was embarked upon and the following were identified as the main components; engineering, program and production, advertising, sales rates, research - studies - planning, and manpower development. This confirmed the belief that a satisfying form of broadcasting may only be attained if all, not just some, aspects were examined and treated. It was a departure from the old piece-meal approaches of the previous years, which yielded short-term results in the long run. With this program BMC-KBP have been able to heal certain illnesses in the system gradually.

Before Martial Law, there were no less than 300 radio and television stations in the Philippines, with over 40 of them in Metro Manila. Efforts to limit this figure by the predecessors of the BMC were only slightly successful. The Council having acted, there are no more than 244 stations now, with 44 of them serving Metro Manila. Whether this figure is economically feasible or rational is the subject of a study presently being studied.

BMC-KBP also tailored a development program for manpower. Training has been given to broadcasters in a variety of fields, management, engineering, broadcasting journalism, etc. Since it is not always practical to rely on three to five day conferences, the BMC-KBP gave home-study instruction to Station Managers, announcers and technicians in their respective fields. These courses are designed to be an extension of workshops previously held.

BMC-KBP hold monthly meetings attended by the Board and representative committee of broadcasters. Current problems are discussed and appropriate actions are evolved.

Under the system of 'private ownership', broadcasting in the Philippines is necessarily a business undertaking, which means that local stations depend on their revenue from sales of time to advertisers. They receive no financial assistance from Government. Program improvement can be facilitated if a large proportion of the listening-viewing public are induced to be more discriminating in their choice of programs.

WOKB Winter Garden FLORIDA

WOKB is the call for one of the newest Florida stations to be heard in New Zealand. On 1600kHz with 5,000 watts day & night, WOKB is licenced to Winter Garden a suburb of Orlando, Central Florida. WOKB went on the air in 1958 as a 1,000 watt daytimer, increasing power seven years later to 5,000 watts daytime and using a directional antenna system. A construction permit was granted in July 1976 by the FCC to operate full time, & on completion of re-location and construction of new transmitting facilities, WOKB commenced with the present power day & night using separate directional antennas. The transmitter is a new Harris (Gates) with phasor. Four 285ft towers are used and the directional patterns resemble a figure eight on its side, making major lobes to the east & west. 24hr operations began on 28th May this year and was heard the very first night out at Te Araroa, East Cape and subsequent reports proved to be their first from this country. WOKB is a Black format station and claim to be "Central Florida's only 24hr Black Station." Their programme is easily identified with up-tempo black soul music and black announcers, all who have self given nicknames such as "Buddy Love", "Dap Sugar Willie", or "Daddy Cool". The soul and disco mx is played around the clock except Sunday and Weekdays 9am to Midday when Black Gospel music and spiritual programming is aired. WOKB is silent from midnight to 5.00am local time on Mondays (despite being reported as NSP in a Stateside magazine) when transmitter maintenance is carried out and preparations made for the following week of drive, rock & roll or rhythm and blues. Verie signer is the stations President, Jack Everbach who is very friendly and would welcome any further reports. Their address; 1111 South Division, Orlando, Florida, 32085.

(Thanks to John Allchin)

The Broadcast Industry...continued

The advertiser may also be persuaded to face some calculated risk and support programs of an educational and cultural nature. If the public is not involved in the movement, one thing sure is, all the conferences, seminars and workshops for broadcasters will amount to nothing.

The same difficulties that prevent American broadcasters from attaining the changes they idealize, are facing Filipino practitioners now. But now, after all these years, the truth has never more glaringly shone: that broadcasting, which is made possible only with the public's consent, is both an affair and responsibility which broadcasters share with the public and the advertiser.

AUSTRALIAN SCENE ...

2TM, Tamworth, NSW, expects to have its new transmitter on air by the end of November. The 2TM manager said Rank Industries Australia would instal the Collins 828E-1 five kilowatt transmitter in October to replace the existing AWA BTM-2 transmitter which is more than 20 years old. The installation will also include replacement of the audio chain from the studios to the transmitter, which will operate with two kilowatts initially.

B & T

CNR - THE FIRST RADIO NETWORK

Canadian National Rail (CNR) formed the first radio network in an effort to bring music to their passengers. It all began in 1906 when the first test broadcast was made by a Canadian, and later with the oldest radio station in the world CFCF. (KDKA had its first regular programming in 1920. By 1922 39 commercial licences had been issued but half never went on air. In 1926 commercial licences totalled 91, with another 40 on air. CNR owned 3 of these.

In the 1922 depression CNR bought up bankrupt railways and also Radio CHYC in Montreal. An idea of beaming the transmissions at a moving train resulted in the idea of radio coaches, 37 being originally purchased. By 1930 there were 80! The chain was well established by then, and CN became the prefix for their stations, followed by the first letter of the location city, then a variable letter. CNR at times rented out the facilities of certain radio stations just for the special functions where they could programme relevant information and entertainment. All this by 1930!

PAUL ORMANDY

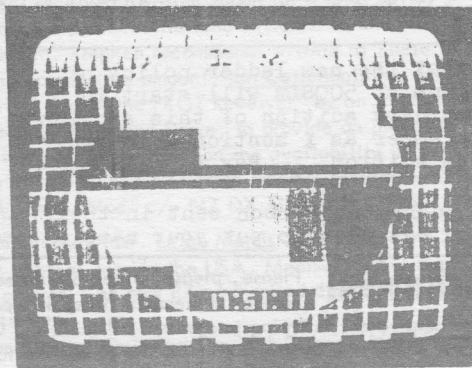


**MAILBAG:** "The sunspot cycle is on the increase now and will optimise in approximately another 4 years, so your chances of logging more stations is also coming better." So says L.R. Blackett, Director Engineering for ABC Queensland, in verifying Bryan Clark's report on reception of ABSQ-1 Warwick on 12 January this year. We hear that Television One have received a reception report from Mexico this year, so we could be in for some interesting DX on the VHF bands this summer. From Tokyo, Kazunori Ushigome has sent photos and a tape of his TV-FM DXing in recent times. Highlight is probably TVQ0 Brisbane. As space permits we'll reproduce some of his photos. At the foot of this column we feature, on the left, Kaznori's reception of the Soviet Orbita II network identification; on the right, the test pattern of the Central TV Station, Peking, channels C1 and C2.

**FM FOR NEW ZEALAND?** According to press reports, an inter-departmental report on FM broadcasting should reach the government for consideration at the end of October. The Minister of Broadcasting has said that he would consider plans for the introduction of FM and that "there was a level of agreement" on the issue. But he said that "the Government will have to consider the report, and all other relevant factors, before any decision is made." In an interview, RNZ Director General Mr Whitehead has emphasised that the final decision on FM is in the hands of the politicians. Radio NZ has worked closely with private radio operators Avon and Hauraki on the official report. Mr Whitehead admits that he is anxious to move towards FM because it will increase RNZ's coverage as well as widen the programme choice. Many of the areas still without radio reception can be reached most easily by FM radio, using existing television masts, he said. Radio NZ's assumption, strictly for planning purposes, is that FM might be introduced in 1981 or 1982. BC

**AUSTRALIAN FM NEWS ROUND-UP** Earlier this year the Australian Government was considering legislation covering commercial FM licences, with one condition being that no AM operator will be able to hold an FM licence in the same city. The legislation is expected to stipulate that if an AM station wishes to have an FM station in the same city, the operator will have to relinquish his AM licence. Chris Martin SDC. The Australian Broadcasting Tribunal has been hearing applications in Melbourne and Perth for 20 public broadcasting licences. Adelaide and Sydney hearings are also scheduled. 13 licences are being issued, 3 on AM and 10 on FM, all for public broadcasters and replacing the experimental licences under which public broadcasters (eg 2EA, 2CC) have been operating to date. There is some urgency with the hearings, as all but one of the latter licences was due to expire in August. Melbourne's existing 2 public FM stations would have to vie with 6 other applicants for the 3 5-year licences to be granted. B. Williams. Subsequent to the above, the ABT has approved 13 of the 48 applications received for these licences, which are only half of 26 licences to be eventually awarded, covering 6 state capitals and 8 other centres. BrW

**COOK ISLANDS FM** Gordon Breerton is turning Cook Islanders on to FM - for a penny pinching \$150. For 10 hours a day, taped music from pop to classical - all drawn from his personal library of 600-odd LPs - drifts across the island from his tiny, cluttered workshop at Avarua, the main centre of Rarotonga. NZ has been waiting for FM radio for decades; Gordon Breerton gave it to Rarotongans in a few weeks. It took him just a few hours tinkering in his spare time to set up a transmitter and aerial - at a cost which might surprise some NZ authorities who imagine that the quality produced by FM radio cannot possibly be cheap. In fact, by now he should have the extra equipment necessary to enable him to transmit a stereo signal. The signal has a tiny range but it reaches all parts of the island without trouble. Rarotongans will have access to a quality stereo sound that NZers can, at this stage, only dream about. NZ Herald. (Continued on Page 12)



DIVISION	Jun	Oct	Inc	Cnt	DIVISION	Jun	Oct	Inc	Cnt
<u>GOLD STAR(over1250)</u>					<u>GOLD STAR(over 1250)</u>				
Norman Maguire	3016	3026	10	82	Arthur Cushen	4500	4544	44	240
Arthur Cushen	2270	2274	4	145	Dene Lynneberg	2187	2239	52	195
Keith Robinson	2104	-	-	114	Barry Williams	2057	2076	19	214
<u>GOLD ACE(1001-1250)</u>					John Mainland	1416	1434	18	195
Ray Crawford	1202	1218	16	156	Ray Crawford	1359	1402	41	158
<u>SILVER ACE(751-1000)</u>					Ray Babbage	1273	1284	11	128
Sutton Burtenshaw	922	-	-	102	<u>GOLD ACE(1001-1250)</u>				
Robin Chambers	908	918	10	115	John Durham	1231	1298	67	164
Dene Lynneberg	755	765	10	91	Bryan Clark	1185	1220	35	194
Eric McIntosh	948	957	9	86	Bill Huddleston	1189	1236	47	133
<u>ACE(501-750)</u>					Ron James	1154	-	-	102
Chris Martin	688	676	-	152	<u>SILVER ACE(751-1000)</u>				
David Ricquish	531	546	15	47	Jack Searle	886	919	33	122
<u>SENIOR(301-500)</u>					<u>ACE(501-750)</u>				
Bryan Clark	456	463	7	88	Paul Ormandy	678	744	66	153
Ray Babbage	414	417	3	41	Ian Cattermole	607	737	130	108
Hank Wilkinson	403	414	11	72	John Campbell	630	641	11	204
Paul Ormandy	358	371	13	60	Peter Greenyer	503	-	-	100
<u>INTERMEDIATE(151-300)</u>					<u>SENIOR(301-500)</u>				
John Campbell	290	302	12	85	Jim Benzoni	496	503	7	95
Alan Gilmour	251	261	10	34	Alan Gilmour	447	461	14	95
Bob Homewood	243	273	40	22	Paul Rawdon	424	460	36	125
Ian Cattermole	235	250	15	18	Steven Greenyer	374	387	13	131
Jim Benzoni	249	249	-	25	Cecil Symmes	357	-	-	83
John Allchin	213	244	31	26	Paul Edwards	338	-	-	151
Philip Brooks	195	-	-	20	Gavin Waters	312	327	15	57
Ash Nallawalla	189	-	-	18	<u>INTERMEDIATE(151-300)</u>				
Paul Rawdon	175	177	2	24	Jack Farrow	248	267	19	50
Paul Edwards	171	-	-	47	Alex Wellner	190	198	8	88
Jack Searle	167	170	3	19	Leigh Morris	162	173	11	79
Leigh Morris	154	158	4	31	Bill Jolley	162	215	53	57
<u>JUNIOR(51-150)</u>					Norman Clover	-	151	-	46
Stuart Forsyth	97	127	30	8	<u>JUNIOR(51-150)</u>				
David Felton	-	67	-	8	Ian Wells	-	136	-	60
Paul Ramsay	-	65	-	2	David Felton	-	128	-	34
Steven Greenyer	57	59	2	26	Bob Homewood	115	-	-	-
<u>NOVICE(1-50)</u>					Ian Hitchiner	100	108	8	38
Norman Glover	-	46	-	5	John Allchin	69	80	11	54
Mark Nicholls	32	45	13	4	Tim McSweeney	70	-	-	29
Alex Wellner	37	39	2	8	Ash Nallawalla	64	-	-	36
Gunter Jacob	-	92	-	23	Mark Sterling	59	-	-	-
					<u>NOVICE(1-50)</u>				
					Craig Strathern	49	-	-	15
					Stuart Forsyth	40	53	13	28
					Philip Hamlin	44	58	14	36
					Mark Nicholls	45	49	4	18
					Norm Maguire	36	-	-	24
					Gregory Baker	-	22	-	16

Will bring you into your correct section for the December period Gunter. Same goes for any others not quite in the correct order.

Note that the new ladder policy of a minimum of 50QSLs will start in the February edition of this section not december as i mentioned in the August edition. Ray Babbage.

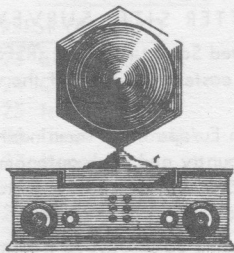
Welcome to Gunter Jacob of GFR Paul Ramsay and Gregory Baker. Remember "Finals" in December.

Some anonymous person sent in their SW total as 32 QSLs from 20 countries. Please remember to put your name on each sheet of contributions!

**Deadlines!** Please, please, observe the deadline for contributions to the Times. A large number of members notes arrived days after our closing time this issue. Perhaps we are too benevolent in trying to squeeze all these in. Our deadline of under 10 days from closing date to mailout is one of the shortest, and we know you like to get your issue on time, so please.....



## EQUIPMENT REVIEW



**YAESU FRG7000** - The first consignment of these is now in the hands of some lucky members. Leigh Morris provides comments to supplement the report in the May 1978 DX Times: "The FRG7000 operates on 100 to 240 volts AC only, but could be modified to allow for portable 12 volt use. There is a tone control fitted for audio filtering purposes. Performance specifications are similar to the FRG7, although coverage includes longwave on the 7000. The 5-digit frequency display gives resolution down to 1kHz. The digital GMT and/or 24 hour local time is displayed to within 1 second. To save "burning the candle at both ends" during the night, the CPU Clock Timer will activate the receiver and relay apron contacts to start and stop recording at predetermined times.

Appearance-wise, the FRG7000 is a much more attractive looking set than the FRG-7, and is slightly wider but much shallower than its predecessor. Selectivity is the same for both receivers and it appears adequate for general DXing in AM mode, although there can be slight difficulty in separating strong stations on 5kHz frequency allocations. A sharper filter here would really help dig out very weak signals adjacent to strong transmissions. For SSB work it has a sharper LFC-2 2.4kHz ceramic filter which works well.

Tuning is slower for the 1kHz resolution and it is much smoother than the FRG7, with no sign of any backlash. Stability is excellent, with no short or long-term frequency drift evident. On shortwave no internally-generated 'birdies' or any other spurious signals were noted. However on mediumwave it was a different story, in my case resulting from 2 local transmitters. The attenuator button facility appears a little harsh, with only stronger transmissions like Radio Australia and HCJB being heard when the button is depressed.

To conclude, I consider the FRG7000 a fine receiver, suitable for most shortwave DX work. Digital readout is the "in-thing", and it has excellent stability and sensitivity characteristics. In my opinion it represents good value at NZ\$623, with the LED frequency display and clock-timer facilities. Whilst digital frequency counters are available at reasonable prices overseas (and kits are even cheaper), there are no commercially assembled counters available in NZ for less than \$299 retail. (Our thanks to Leigh for his report. Ed)

**ANOTHER FROM NATIONAL PANASONIC** Yet another in the Proceed range of SW portable receivers is the RF2600, falling between the DR22 (RF2200) and highly rated DR28 (RF2800). At 47,800 yen in Japan, it is perhaps the lowest priced set with digital frequency display yet on the market. With readout to 1kHz, the RF2600 has coverage on SW 3.5 to 29MHz, plus MW and FM, with the display available on all bands. Controls include bass and treble tone, volume, RF gain, switches for dial light, digital display, BFO and bandwidth - wide or narrow. Incidentally, according to NASWA's FRENEX magazine, National Panasonic have a television advertising campaign for their shortwave receivers in the United States. Info via JSWC.

**REALISTIC DX-300** is an exciting new digital readout general coverage receiver from Radio Shack in the USA. Ralph Sanserino of California has forwarded a copy of the catalogue publicity for the DX-300 and on the basis of the published specifications he comments that it "could be the best of the lot". Specs are given as: Sensitivity for 10dB signal-to-noise ratio - AM 1uV at 900kHz and 0.5uV at 7.1MHz. SSB 0.5uV at 900kHz, 0.3uV at 7.1MHz. Selectivity  $\pm 3$ kHz, -6dB.  $\pm 10$ kHz -70dB. RF: Triple conversion quartz controlled. Catalogue price is US\$379.95, and the DX-300 is due in the shops there on 30 October. Readout to 1kHz is available on all frequencies from 10kHz to 30MHz.

**YAESU FRG7 OWNERS** will be interested to know that Yaesu in Japan are offering an LFC2A narrow band ceramic filter for use in the 'Frog'. Member Stephen Heal received his from Japan for a total outlay of about NZ\$8.50, and reports that it can be installed across the present filter and switched in and out. With significant variations in the exchange rate for Japanese Yen, Stephen recommends writing to Yaesu for a price and then arranging for your local bank to remit the appropriate amount. Ian Cattermole has forwarded a copy of an article entitled "Modification to the Tuning Drive of the FRG7 Receiver" by an Australian SWL Maurie Batt. This describes how to install a Jackson Slow Motion Drive, to provide an improved tuning rate - 65 turns for 0-1000 on the tuning scale. We have no information on the availability of the slow motion drive in NZ but can forward a photocopy of the article to any interested member sending in 20c in stamps to cover costs. The envelope should be endorsed "Yaesu Mod" c/- NZ DX Times, Box 2956, Wgtn.

**DRAKE SSR1** is still being produced, contrary to a report in May last. Leigh Morris advises that the SSR1 is being manufactured under licence in Japan, for export to areas outside the USA. Meanwhile, in the US both the SSR1 and SPR4 have been withdrawn from the market. The new R7 synthesised digital readout receiver is expected to be unveiled towards the end of this year.

That's all for this time, but more to come. Material from Masami Onizawa, David J. Duke, B. Marsh on hand.

# 10 МОСКОВСКОЕ РАДИО RADIO MOSCOW TRANSMITTER SITE SURVEY

The Union of Socialist Soviet Republics is made up of the Russian Socialist Federated Soviet Republic (RSFSR) and 14 autonomous Socialist Soviet Republics. It stretches across the northern and eastern quadrant of the world from the Baltic Sea in the west to the Bering Sea in the east.

West of the Urals, roughly longitude 60° east, the RSFSR and associated SSRs are in Europe - the remainder are in Asia. From the viewpoint of NZRDXL members, the RSFSR is regarded as one country and each autonomous SSR as a separate country. To this must be added the anachronism of the Karelian SSR - at best this is historically extinct - at worst it should never have been considered as a separate radio country.

According to the North American Shortwave Association (FRENEX March 1978), some 66 shortwave transmitting/relay stations have been identified in the USSR. Of these, 22 are in the RSFSR (European) and 20 in the RSFSR (Asiatic). The remaining 24 are spread between 13 of the 14 autonomous SSRs, none having been noted from the Moldavian SSR since the 1960s.

It has been noted that in translation the spelling of Russian place names can vary considerably. This can add to the difficulties of locating the physical situation with the aid of a Gazetteer.

The following list gives the following information:-

the 'radio country' in which the transmitter/relay station is located; the published location of the station; the latitude and longitude of the station location; frequencies confirmed in NZ for the station (according to QSL advice from Radio Moscow), plus the GMT time and language - unless indicated otherwise, the language was English. Other languages are identified as follows: - Spanish S, Indonesian I, Not specified X.

Thanks to the following members who cooperated in this survey: Dick Pollard, Bryan Clark, Jim Benzoni, Gavin Waters, John Durham, Barry Williams, John Mainland, Jack Searle & Paul Rawdon.

Thanks also to Al Sizer of NASWA for the original concept of this survey. Cecil Symmes 10/78

Relay Station Site	Lat.N	Long.E	Frequencies (kHz) confirmed in NZ during 1978
<b>RSFSR (EUROPEAN)</b>			
1 Archangelsk	64° 34'	40° 32'	
2 Armavir	45 00	41 08	7200kHz (X-0300), 9620(2130), 9630 (X-2000), 9655(1600), 11710(X-0445), 11960(2000), 12055(X-1840), 15470(2000), / 17730(0800).
3 Gorki	56 20	44 00	
4 Kalach	50 25	41 01	
5 Kalinin	56 45	36 30	
6 Kazan	55 45	49 08	9590(X), 12020(X).
7 Kingisepp	59 22	28 36	
8 Konevo	62 08	39 16	
9 Kursk	52 14	35 30	
10 Leningrad	59 55	30 15	21600(0830).
11 Micurinsk	52 54	40 30	
12 Moscow	50 45	37 35	7280(1900), 7355(X), 7360(2200), 7390(1900), 7420(S-1900), 9480(1630 & 2000), 9530(X), 9625(1600), 9680(X), 9685(X-0200 & 1600), 9745(X-0445), 11710(2000), 11830(X-0500), 15360(X), 15460(X-1110), 21450(0900), 21575(X).
13 Murmansk	68 58	33 05	
14 Orenburg	51 54	55 06	
15 Petrozavodsk	61 47	34 20	
16 Riazan	54 38	39 44	5900(1900), 5980(X-1915), 9720(X), 15140(X).
17 Serpukhov	54 55	37 25	9560(X), 9790(2200), 11705(X), 15450(2000), 15505(2000), 17730(X), 17825(0900), 17900(X), 21590 (1-0730).
18 Tula	54 12n	37 37	7195(0300), 9635(X-2000), 12000(2000), 15490(2000), 17765(X-1000), 17880(0815).
19 Ufa	54 44	55 56	
20 Vologda	59 12	39 55	
21 Voronezh	51 40	39 10	9675(X), 15230(1950), 15305(X-1030).
22 Zigulevsk	53 25	49 27	

SOCIALISTISKA SOVJET-  
REPUBLICEN LETTLAND  
LETTLANDS RADIO,  
P.O. BOX 266, RIGA.

<u>Pelay Station Site</u>	<u>Lat.N</u>	<u>Long.E</u>	<u>Frequencies (kHz) confirmed in NZ during 1978</u>
<b>RSFSR (ASIATIC)</b>			
23 Blagoveschensk	50° 17'	127° 32'	
24 Chita	52 03	113 30	9655(X), 9780(X), 15385(0800), 17730(0900), 21515(1-0730 & /0900).
25 Irkutsk	52 16	104 20	
26 Chanty-Mansijsk	61 00	69 06	
27 Kenga	57 27	80 57	11690(X), 11765(1900), 11960(2300), 11965(X/E-2300), 15175(0900).
28 Khabarovsk	48 27	135 06	7175(0330), 11690(0800), 11720(0200), 17870(0800).
29 Komsomolsk-am-Amure	50 35	137 02	
30 Krasnoyarsk	56 01	92 50	9565(1600), 11820(0900), 11940(X-0845), 11960(X), 11970(X) /17700(X).
31 Magadan	59 34	150 48	
32 Nikolayevsk-am-Amure	53 08	140 44	9780(0830), 12010(0430), 15410(0900/X-1000), 15415(0900), 17765(X-0800/E-0900).
33 Novosibirsk	55 02	82 55	
34 Okhotsk	59 23	143 18	
35 Omsk	55 00	73 24	11820(0900), 15150(0900), 15500(0900).
36 Petropavlovsk-Kamchatka	53 01	158 39	15130(X).
37 Sverdlovsk	56 01	60 36	
38 Tyumen	57 09	65 32	
39 Ulan Ude	51 50	107 37	
40 Vladivostok	43 10	131 56	12020(X), 15130(0800).
41 Yakutsk	62 13	129 49	
42 Yuzhna-Sakhalinsk	46 58	142 42	
<b>c. ARMENIAN SSR</b>			
43 Yerevan	40 11	44 30	
<b>d. AZERBAIJAN SSR</b>			
44 Baku	40 23	49 51	11920(X-0445).
<b>e. BYELORUSSIAN SSR</b>			
45 Minsk	53 54	27 34	11745(2000).
46 Moghilev	53 54	30 21	
47 Orsha	54 30	30 24	
<b>f. ESTONIAN SSR</b>			
48 Tallinn	59 25	24 45	17700(1000).
<b>g. GEORGIAN SSR</b>			
49 Tbilisi	41 43	44 49	7290(X), 11755(0530), 12050(2000), 15470(2000).
<b>h. KAZAKH SSR</b>			
50 Alma Ata	45 15	76 57	17850(1000).
51 Dzhambul	42 54	71 22	
<b>i. KIRGHIZ SSR</b>			
52 Frunze	42 54	74 36	11820(X), 15400(1000), 15435(0900), 15500(0900), 17825(1000 & 1500), 17850(0900).
<b>j. LATVIAN SSR</b>			
53 Riga	56 57	24 06	15220(X-1000).
<b>k. LITHUANIAN SSR</b>			
54 Kaunas	54 54	23 54	9635(X).
55 Vilnius	54 41	25 19	



**RADIO  
MOSCOW**

**RADIO KIEV**

Radio Station «Peace and Progress»,  
Moscow, USSR



**12** Relay Station Site    Lat.N    Long.E    Frequencies (kHz) confirmed in NZ during 1978

**1.** MOLDAVIAN SSR

Kishinev                    47° 00'    28° 50' (Inactive as Radio Moscow relay since mid-1960s)

**m.** TADJIK SSR

56 Dushanbe                38 35    68 48    15220(X), 21505(1000).

**n.** TURKMEN SSR

57 Ashkabad                37 57    58 23    11930(S-0200).

**o.** UZBEK SSR

58 Tashkent                41 20    69 18    own prgms in E at 1200 & 1400 GMT on 11730, 11925, 15115 & 15460kHz.

**p.** UKRAINIAN SSR

59 Ivano-Frankovsk        48 55    24 43    11880(0445 & 1630).

60 Kharkov                 50 00    36 15    11950(X).

61 Kiev                     50 26    30 31    6020(1900), 9720(2000), 11770(X), 12070(2000), 12075(2050).

62 Lvov                     49 50    24 00    7300(X), 9700(X), 11750(0220).

63 Nikolayev               46 58    32 00

64 Simferopol             44 57    34 36    7105(0445), 15130(2100), 17815(0510 & 0815).

65 Starobelsk              46 16    38 56    15330(2000).

66 Uzhgorod                48 37    22 18

67 Vinnitsa                49 14    28 29    7130(0300), 9765(1900), 11735(X), 11850(X).

РАДИОСТАНЦИЯ СОВЕТСКИХ  
ОБЩЕСТВЕННЫХ ОРГАНИЗАЦИЙ  
МОСКВА СССР    тел. 233-64-65



**COOK ISLANDS FM** (concluding from page 7) Mr Brereton, who helped set up the NZ Police move to VHF about 6 years ago, is at present operating his FM station with tacit approval of the Cook Islands Government. He was given qualified authority to set up the station as a service to tourists buying duty-free radio-stereo equipment on the island. The government-run radio station is AM and until Mr Brereton began operating, there was no way that people buying FM tuners could test their quality.

He hopes to persuade the Government eventually to give him a full licence. If it does, he will invest \$5000 in a studio above his workshop, which handles most of the island's electrical repairs to give him his daily bread. In the meantime he is quite happy providing a free service to people living on the island and tourists. (from the NZ Herald). (This article appeared prior the recent change in government in the Cook Islands, and it is not known if Mr Brereton's FM broadcasts are a continuing operation .Ed)

**SATELITE DXING.** From member Charles Douglas in Melbourne comes a copy of "A National Communication Satelite System", being "a submission to the Commonwealth Government Task Force by the Australian Telecommunications Commission" issued earlier this year.

Such a system would overlay the existing national network and would have the potential to provide automatic telephony and TV in remote areas, multiple choiceTV distribution, augmentation of the land network, special facilities for other government organisations, and would increase the flexibility and security of the overall network. Some extracts of the report, relevent to the eventual prospect that we in NZ might eventually have the opportunity to try Dxing the programmes from such a satelite....

Communication satelites are potentially well suited for broadcasting purposes. A typical communications satelite consists of receivers which can receive signals from an earth station anywhere in the service area and transmitters which can retransmit these signals after suitable amplification, to the whole service area, which can be as large as the entire continent. Therefore a satelite contains an inherent broadcast transmitting capability which has a vast coverage area compared to terrestrial broadcast transmitters. This feature opens up a range of possibilities in the broadcasting applications of satelites. Depending on the effective transmitting or radiating power available from a satelite, this technology can be used to distribute programmes to any suitably equipped TV or sound broadcasting transmitter, translator or repeater installation. A future development is the direct broadcast TV satelite which, when available, would enable a number of programmes to be broadcast direct to home receivers, without the need to rebroadcast the programme from local transmitting stations.

Communications satelites are already providing services for the USSR, Canada, Indonesia and India in the broadcasting field. Satelite systems with at least some broadcasting capability are planned for Brazil, Japan, Iran, the League of Arab States and Nordsat (Scandinavian countries).

To be continued

# Shortwave Mailbag

with JOHN ALLCHIN

13

Headlining this month would have to be the arrival of a number of QSLs from the Voice of Free Chile in Santiago, many of them being received after more than four years of waiting! In those days they identified as 'La Voz de Chile'. An updated programme schedule has also been received, details of which appear elsewhere in this issue. Also worthy of mention is a QSL from Radio Bertoua, Cameroon on 4750 kHz and a verification from Sierra Leone for their 49 metre band frequency of 5980 kHz. A good number of contributors so lets get started .....

GAVIN WATERS begins Mailbag with twenty out and three in from Sweden 17735, Norway 15135, and Malaysia 15295 for country 57.

LEIGH MORRIS Palmerston North has three good ones from Grenada 15105, XERMX 15385, and Denmark 9710. Eleven reports out.

BILL HUDDLESTON Auckland has logged 20 and verified DW Koln 17715, Poland 7145, Turkey 9665, RA 15260, Vatican 11845, 11830, Greece 11730, RM Blagovenschensk 5960, Vinnitsa 15465, Ivano Frankovsk 9660, Tashkent 15390, Peking 17635, Sweden 15125, Veritas 17710, & Hungary 9585. Nice going Bill.

ALAN GILMOUR Greymouth has three out and QSLs from Helsinki 15105, Freetown 5980, LLG-3 9590 and CXA-19 11835. Good quality Alan!

JIM GORMAN Papakura has verified Peking 11600 15045, RA Shepparton 9770, 11820, Lyndhurst 6045, VL16 6090, NHK 17725, 17755, Honiara 5020, P2T9 9520, Vatican 15120, Nigeria 7255, Vietnam 10040, IBA 9835 & RNZ 6105 with 30th Anniversary QSL no. 3.

JACK FARROW Lower Hutt has five reports away and verifies in from SBC 9560, 11870, Israel 9425, 15105, 15485, Bucharest 9565, WYFR 5985, RM 11690 & NHK Sines 9670, 9685.

IAN WELLS Dunedin has two out and just one in from NHK 15195.

JOHN DURHAM Meremere has QSL'd Kampala 15325, WYFR 15440, Peking 11302, Sweden 17735, BBC Ascension 7105, Vatican 11740, Ulan Bator 12070, RM Khabarovsk 15405, RM 11865 (w/out tx site) and Bertoua 4750.

BRYAN CLARK Wellington has heard from RNZ 17860, Uganda 15325, Jerusalem 25605 plus Bryan's longest holdout - Chile 15150 reported some 4½ years ago. 18 reports out.

PHILIP HAMLIN Tauranga has been active with 23 reports away and verifies back from Chile 15150 (11 months), Portugal 6025, Austria 6155 with sticker, Prague 9630 and RNZ 6105 anniversary card no. 35 of the 150 printed.

RAY CRAWFORD Invercargill has no loggings but makes up for it with some good QSLs - Poland 6095, 7145, RFE 3990, Bucharest 9570, 9690, Austria 6015, 17840, Switzerland 21585, YVTO 6100, Pastaza 3315, Borborema 5025 and La Voz de Chile for a report sent out in December '74!

JACK EASON Hamilton has no reports out this month but has verified RN 9715, Malaysia 15295, IBA 12025, RM 15150 & Noumea 7170. Jack has a FRG-7 on the way too!

NORMAN CLOVER Hamilton has seven out but is still awaiting replies. Shouldn't be too long Norman and good luck in the countries competition.

IAN HITCHINER Auckland has found time to send ten out, with verifies to hand from RCI 5960 & NHK 9670 (Sines), 15420, 21535, 21640.

ARTHUR CUSHEN Invercargill has a good list with Austria 17855, Bucharest 11840, Vienna 5945, WYFR 15390, KTRW 11890, KGEI 9575, Bucharest 11705, Finland 17875, Chile 15130, 15150, Belgium 9685, Cyprus 9695, Veritas 17710 & Vienna 9585. Thanks Arthur.

BILL JOLLY Kawerau has sent 25 away and QSLs have arrived from Honiara 5020, KTRW 17855, RA Lyndhurst 9540, NHK 15310, RM 11630, Oslo 15170, Helsinki 11755, Malaysia 15295, RN Bonaire 21640, IBA 15105 & 15485. Tnx!

IAN CATERMOLE Blenheim was QSL'd Veritas 9590, HCJB 11840, Finland 17875, WYFR 5985, 15215, 17875, 17805, Moscow 17785, 17805, 17815, 11710, 7290, 17850, Sweden 6065, Austria 9650, KTRW 11795, UN 9565, VOA 17780 Liberty 21510, RFE 15290, SBC 11715, RSA 17780, RNZ 17860, AIR 4920, Peking 15045, 17810, 15080, Prague 9630, 11990, & Cuba 15340.

JACK SEARLE Haumoana has QSL'd RM Vinitza 11850, Armavir 11880, Nikolayesk on Amur 12030, NHK 17825, SBC 21585, TWR Bonaire 11925, IBA 9835, RA Shepparton 15260, 21525, Bucharest 11840 & Chile after 4 years and seven months! What frequency Jack? Yes, will CU out there!

STUART FORSYTH Christchurch has one out and three in from VLW-15 15425, SBC 11780 and Moscow 9630. Lost a pen?

DENE LYNNEBERG Titahi Bay has five in from Cyprus 9695, Moscow via Tula 15490, Riga 15140, Liberty Gloria 25690 & TWR Swaziland 3222.

PAUL RAMSAY Oamaru has logged eight and has heard from RNZ 6105 with 30th anniversary QSL card.

GREGORY BAKER Auckland has 12 out this time and has verified Honiara 5020, RA Lyndhurst 5995, Shepparton 15140, Vatican 9615, IBA 17685, DW Antigua 5960, AFRTS Greenville 6030, NBC 4890 with pennant and sticker, VNG 7500 and WWV 15000. Those last two are classified as utilities Greg.

PAUL RAWDON Eastbourne has 14 out and QSL'd Northern Solomons (direct) 3322, Poland 6095, REE 11840, Sofia 15310, SBC 15350, 15140, 11740, and Nigeria 4990.

ARTHUR DEMAINE Auckland with nine reports out has heard from SBC 3985, Vatican 15120, Malaysia 15295, Peace & Progress 15435, Peking 17635 and Finland 17875.

BALU RASIAH Palmerston North using a Grundig Sattelit 2100 has verified KTWR 17855, ORU 9685 with pennant, RSA 17780, Pakistan 11750, AWR Sri Lanka 11835, Nigeria 7255, Cook Is. 5045, VOFC 17890, Northern Solomons 3322, SBC 15305, Israel 15100, RN Bonaire 9715, Tashkent 15115, Portugal 6025, SLBC 11835, HCJB 11900, 9745, Korea 9710, & Norway 15135. Thanks Balu and welcome to the Times. Balu is off to Sri Lanka in December. Good luck!

JOHN ALLCHIN Auckland has just one from WYFR 5985.

PHILIP HAMLIN - according to UADX, Iran Home Service is on 15315 from 0200-1230 GMT. Sri omitted this earlier.

## BEST OF THE MONTH

### UNDER 9 MHZ

Nigeria 4990 kHz with 50kw, 109 Points.

PAUL RAWDON

### OVER 9 MHZ

Radio RSA Johannesburg 17780 with 500kw. 102 Points. GREGORY BAKER

CECIL SYMMES Wellington has QSLs from RA Shepp 17725, 15415, 15260, RA Carnav. 17870, 6005, Japan 7205, Sofia 11750, Solomons 5020 (post-independence), RM Leningrad 21600, Kenga 15175, Tula 17880, 15130 Vladivostok, 15415 Nikolayesk-na-Amur, Voronezh 15230, Armavir 17730, Simferopol 17815. Tx comrade, hi!

STEVEN GREENYER Invercargill has a 2nd QSL from Chile for a 1974 report, plus one from Uganda 15325kHz.

CHRIS MACKERELL Wellington has veries from Nigeria 75120 & Garoua 5010. Good pair there Boris! New receiver coming?

PAUL ARONSEN Invercargill makes a welcome reappearance with QSLs in from Austria 17840, Portugal 4865, Tanzania 4785, Upper Volta 4815, Nigeria 4990, Finland 11755 and Australia 11740.

PAUL ORMANDY Oamaru reports 15 away and veries from RAI 21560, Uganda 15325 (cnt 153), Cairo 21465, and 43 Moscow frequencies. Those would have helped our survey Paul.

RON JAMES Wellington is another to QSL Chile after a long wait, 15130kHz. The mailman (a friend Ron?) also produced Vilnius 15180, 12060, 11790, 11780 plus pennant, AIR 9912, ORF 11870, 9770, RA Carnarvon 6035, Tirana 9500, UN Gville 15415, TWR Bonaire 15440 and RNZ 17860 and 15345.

ARTHUR KINDELL Levin has a lone QSL from Vilnius 12060. Thanks Arthur.



DX NEWS from the August edition of the WORLD RADIO TV Hanbook Newsletter

**BOTSWANA** The Acting Director of Broadcasting advises that Radio Botswana does not QSL under any circumstances. He says "I make no apology for this but would point out that we are far too short staffed to spend time verifying reports which invariably worthless to us anyway."

**CAMEROUN** Yaounde 4850kHz 100kw has become the Poste Nationale transmitter, while Yaounde 4972.5 30kw is the regional or provincial SW outlet. At present the 2 stations carry separate prgms and come together for such prgms as the news, which incidentally is carried by the entire Radio Cameroun network.

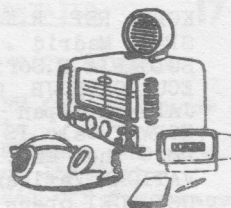
**ZAMBIA** ZBS now uses only 9580 in its External Service, at 1550(Sunday 1650)-2005. 6165 carries General Service continuously and 6060 presumably the Home Service. 3295 & 4965 are no longer in use. (Ginbey).

**IRAN** Current transmission sked is - 7215kHz 0200-1200 to India, 1430-1930 to Iraq/Syria. 9022kHz 1500-0100 to Europe/Nth Africa, Nth America. 9765kHz 2200-0100 to Nth America West. 11730kHz 1200-1400 to Afghanistan. 11930kHz 1230-1930 to Europe. 15084kHz 0430-0100 to Europe/Nth America. 15315kHz 0300-1130 to Saudi Arabia. 17730kHz 0500-1430 to Nth Africa & Europe.

**NEW HEBRIDES** Radio Tanafo only broadcasts on 3990 at 1930-2030 in Pidgin, but future plans include putting the 0730-0900 broadcast back on the air and adding (probably after 0900) prgms in EE & FF. (Campbell)

**BENIN** A 10kw SW transmitter is being installed at Parakou, along with a 10kw medium wave outlet.

# SHORTWAVE BANDWATCH



Coordinated by Barry Williams

The higher frequencies proved of most interest this month with several loggings in the 11 metre band . Keep alook out over the next few weeks on the 13 and 11 metre bands for openings . Some interesting catches can be made when the band is open . I find that listening on the 10 and 15 metre Ham Bands give good indications as to what conditions are like and what parts of the world are coming in .Radio Kuwait on 12085 and 17740 khz in English are currently being well heard .Nicaragua on 5950 khz has been reported with strong signals and the new BBC Eastern Relay in Masirah on 17770 khz has been logged signing on at 0900 GMT . Gavin Waters advises that from Oct 3 Radio Moscow will be identifying as " Radio Moscow World Service " to Europe , America , Australasia, Asia and Africa .

TIMES IN GMT ( Add 12 hours for New Zealand Standard Time )      Frequencies in khz

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAM AND RECEPTION DETAILS</u>	<u>INITI</u>
3925	0905	PAPUA NEW GUINEA	Port Moresby	.Good with ID's ; Good at 1040	FB PH
4790	1900	SWAZILAND	TWR	Heard with fair signal in PP service .	PRa
4810	1940	SOUTH AFRICA	RSA , Springbok Radio	with fair signal . Play .	PRa
4853	1832	YEMEN ARAB REP.	Sanaa ,	Very strong in AA .	JS
4880	1823	SOUTH AFRICA	SABC ,	Fair in Africaans Service	PRa
4890	0830	PAPUA NEW GUINEA	NBC Port Moresby ,	Good with sports results . PR	PR
4904.5	0500	N'djamena .		Very good signal in FF . Tchad Republic .	JS
5020	0840	SOLOMON ISLANDS	Honiara .	Good with messages in Pidgin	FB
				Good at 0919 with program of Island music .	PR
5950	0600	NICARAGUA	Radiodifusora Nacional de Nicaragua .	Very good in SS with popular music . Frequent IDs . Fade in 0400 right through to past 1130 . BC ; Heard at 0603 with strong signal . AG ; Heard 0800 with frequent IDs till after 1030 . DM :	
5970	0430	SWITZERLAND	Berne ,	News in EE to 0500 .	AC
6012	0847	ANTARTICA	AFAN McMurdo .	Good with pops and DJ patter .	BC
6015	0430	AUSTRIA	Austrian Radio .	news and opera . Very good in GG at 0500 .	JG FB
6025	0514	PORTUGAL	Lisbon ,	Good in EE with news .	FB
6040	0454	EAST GERMANY	Radio Berlin International ,	Very good in SS .	FB
6070	0807	CANADA	Toronto . CFRX	with a fair signal with middle of the road and oldie records .	IM
6090	0744	AUSTRALIA	ABC VLI6 .	News and sports results	JG
6090	0545	LUXEMBOURG	R.Luxembourg	excellent with GG gospel till VLI6 f/in BC	BC
6105	0610	NEW ZEALAND	RNZ	Good with ne s from 2YA . Heard 0820 with excellent signal . News and weather .	PRJG PH
7175	2103	GERMANY FED.REP.	Deutsche Welle .	excellent with wotld new	PR
7215	0426	GREECE	Athens .	An excellent signal at this time	DM
7255	0555	NIGERIA	Lagos .	Opens in EE . QRM from radio Free Europe .	AC
7345	0340	CZECHOSLOVAKIA	R.Prague	signed off 0345 in EE . Good	PM
9410	2130	GT.BRITAIN	BBC .	Very good in EE .	FB
9500	0445	GERMANY DEM.REP.	R.Berlin International	Fair EE to Africa	BH

Late tips from JM: South Korea hrd on new out-of-band 9870kHz in EE at 1330 GMT. Radio Moscow World Service on new 17845kHz in EE 0900 strong signals obliterating Deutsche Welle broadcast.

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
9525	1000	KOREA REP.	R.Korea	, Seoul Fair with news and commentary	<u>IW</u> FB
9530	0146	SPAIN	Madrid	. In SS to the Americas	FB
9530	0430	BULGARIA	R.Sofia	.Good at s/on in EE , News	BC
9585	0700	ECUADOR	HCBJ	Good in EE to Europe . Ex 9730 khz .	<u>GW</u>
9585	1200	JAPAN	R.Japan	News and commentary	<u>JG</u>
9590	0700	NORWAY	Oslo	IS the ID in Norwegian and EE . Norwegian till 0800 then EE . A fair signal .	PH
9615	2207	VATICAN	Vatican Radio	, Fair in EE to Aust/NZ	FB
9625	0900	USA	KGEI	opens in JJ .	AC
9625	0230	SWEDEN	R.Sweden	with a good signal in EE .	SH
9630	0530	SPAIN	Spanish Foreign Radio	in EE to USA. "Voice of Spain"AD	BH
9645	0830	BRASIL	R.Banderantes	.VG in PP with music , IDs and commercials	
9650	0643	GUINEA	Conakry	with African music and FF annets. Good to past 0700 and on to f/out 0820 . Appears to be Sunday only . IDs as " La Voix de la Revolution ."	BC
9675	0630	POLAND	R.Warsaw	fair in EE to Europe .// 7270 & 6135 khz	<u>GW</u>
9710	2058	DENMARK	R.Denmark	fair with EE ID . Danish news at 2100 .	IM
9745	0900	ECUADOR	HCBJ	heard in // 6130 ,11900 khz . Good signal with DX Party Line .	PH
9755	2330	FINLAND	Helsinki	in EE under R.Canada .	AC
9765	0514	GERMANY FED.REP.	Deutsche Welle	.Excellent to Africa in EE	FB
9790	0800	SPAIN	Madrid	s/on in SS to Australia with light QRM /R.Moscow	AC
11638	0540	ISRAEL	IBA	good // 12077,15345& 17630 khz . In Hebrew . After 0610 only on 17630 khz with Jazz program .	JS
11655	0500	ISRAEL	IBA	strong signal in EE .	AC
11715	2330	CHILE	Voice of Chile	. good signal with program in EE	SH
11760	1837	MOROCCO	VOA Tangier	very goos in EE .	JS
11760	0335	CUBA	R.Havana	with news and commentary .	<u>JG</u>
11765	0230	CHILE	Voice of Chile	, Santiago EE program with QRM Havana	AC
11785	0901	MONSERRAT	Deutsche Welle	relay . Very strong signal in GG to s/off 0949 . EE station ID at sign off . R.Guaiba ,Brasil under Monserrat . s/on 0559 with station ID .	BW
11800	2025	ITALY	RAI	to Near East in EE . Good with news .	BH
11815	0300	POLAND	R.Warsaw	very poor to America in EE .	BH
11835	1115	SRI LANKA	SLBC	, Good in EE . RMI DX contest .	<u>AD</u> JS
11835	0731	ECUADOR	HCBJ	with religious program .	JG
11840	2030	SPAIN	Madrid	.Spanish Froeign Radio good with EE to Europe	BH
11845	0100	VATICAN	Vatican Radio	to USA . Fair to poor signal .	BH
11850	0700	NORWAY	R.Norway	opens daily broadcast in Norwegian with EE ID.	GW
11875	0855	JAPAN	R.Japan	news and comment	JG
11890	1430	GUAM	KTWR	EE to 1500 . Frequency moving to 11850 khz .	AC
11910	0300	HUNGARY	R.Budapest	. Prog. UN anti-aparthed on Monday	AG
11935	0630	MONACO	TWR	. s/on in RR under BBC French Service .	BC
11985	0700	ALBANIA	R.Tirana	.Very good in EE to Australasia	GW
12085	1830	KUWAIT	R.Kuwait	.very good signal with "Arabus " program and music . ( PH ); 2008 very good with requests ( JG ); Heard 1800 with excellent signal . s/off 2100 . ( SH ) .	
15105	2100	JAPAN	R.Japan	// 15185 & 15310 khz . Very good to W.Africa	PH
15115	1200	UZABEKISTAN	R Tashke nt	fair in EE .	AD
15120	0555	NIGERIA	VON	EE ID and program summary . //11770 khz	IM
15120	2210	VATICAN	Vatican Radio	. Very good to Australasia	FB
15145	2227	CHILE	Santiago	,Voice of Chile Very good in EE	FB
15185	2100	USA	WINB	.Excellent with EE religious program to Europe	GWBH
15220	0600	SOUTH AFRICA	RSA	//17780 & 21535 khz . s/on with news .	JS
15225	2145	TAIWAN	BCC	Taipeh fair in EE	AC
15280	020L	USA	KGEI	Fair with EE/SS lessons	JS
15300	1610	FRANCE	RFI	fair with " Paris calling Africa "	AD
				2025 very good to W.Africa // 11705,11850 & 15425 khz	PH
15305	0145	SWITZERLAND	SBC	good in EE // 9725 & 11715 khz	JS
				0204 program " Merry-Go-Round .	JG



FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	17	UNITS
15325	0315	UGANDA	Kampala	News and music (JG); 0400 s/on FF good		JS
15325	1900	CANADA	RCI	very good in EE to Europe		JS
15330	0350	ITALY	RAI	to South Asia poor with severe QRM from R Moscow	FF	BH
15335	0315	COLUMBIA	R.Nacional	ID and classical music	SS	LM
15350	0300	LUXEMBOURG	R.Luxembourg	, ID and jingle	FF news and pops	LM
15385	0100	USA	WYFR	in SS . New frequency replacing 15390 khz		JM
15385	0200	MEXICO	XERMX	R.Mexico SS news . Good now RAT off frequency		LM
15425	0315	SRI LANKA	SLBC	Strong signal in EE with slight QRM Moscow		SH
15430	0600	SWITZERLAND	SBC	opening to Africa with news . News in GG .		JS
15435	1340	USSR	Peace & Progress	. Good in EE .		AD
15450	2345	PHILIPPINES	FEBC	fair with SW Mailbag program .		Pra
15460	1400	USSR	UZABEKISTAN	, R.Tashkent EE program		AC
15520	1230	BANGLADESH	R.Bangladesh	.Poor in EE . Program "Railways in B."		AD
17680	0200	CHINA	R.Peking	EE to the USA . Prog. "Lets Speak Chinese "		BH
				Also heard at 0050 with fair signal ( JG )		
17685	0500	ISRAEL	IBA	good with EE news .		AD JS
17710	0106	PHILIPPINES	R.Veritas	Asia in EE 0100-0200 . Fair //15275	AC	DL
17715	0655	SEYCHELLES	FEBA	good with Tuning signal and EE IDs .0700 EE		BC
17715	2250	CHILE	Santiago	Voice of Chile SS 2300 . FF& EE IDs .Freq. change to 17800 khz annod . // 15175,15150,15140 and 11715 khz		DL
				Noted 1921 fair in SS ( JS )		
17740	0530	KUWAIT	R.Kuwait	EE news then popular music .		JS AC DL
17770	1900	ECUADOR	HCJB	good level to Europe in EE , Moved here from 17760 khz due to QRM .		SH
						GW
17770	0900	MASIRAH	IS. BBC	Eastern Relay . Local ID at sign on then WS news . 15310 khz also heard at 0900 .		SH BC
17775	0748	USSR	R.Moscow	good in EE .		JS
17780	0600	SOUTH AFRICA	RSA	. Excellent to W.Africa . // 15220 khz .	AD	BH
17790	2000	CHILE	Santiago	" La Voz de Chile " Good with 1/2 hour EE prog.		JS
17800	2226	CHILE	Voice of Chile	good with news items .		FR
17810	0310	PHILIPPINES	FEBA	Gospel program .		FB
17815	0645	GERMANY	DEM.REP.	RBI fair , In clear after 0700 in EE . //21465 & 17700 khz .		
17820	0700	PORTUGAL	R.Japan	relay heard over R.Trans Europe experimentally		GW
				Very good with Genral Service .		
17830	0230	PAKISTAN	R.Pakistan	good with dictation news in EE //21590		GW
17835	0500	ISRAEL	IBA	very good with EE news . // 11655 khz .		JS
17850	1640	FRANCE	RFI	Good with " Paris Calling Africa " .		AD
17890	2302	AUSTRALIA	R.Australia	good in EE . // 17795 khz .		JS
21470	0600	AUSTRIA	Vienna	s/on with good signal . GGto Australasia		AC GW
21495	0928	FINLAND	R.Finland	.Excellent with news in EE . From 0800 Sundays ( GW )		SH Pra
21500	1045	GERMANY	FED. REP.	. Deutsche Welle EE to Africa		AC
21525	1930	USA	WYFR	. Family Radio .Fair in EE to Nth.Africa & Europe		BH
21520	0900	SWITZERLAND	SBC	Good in EE ." Date Line "		JS
21535	0825	JAPAN	R.Japan	good with EE news .// 15105 & 17795 khz		Pra PH
21535	0600	SOUTH AFRICA	RSA	.Regular good signal in EE till NHK s/on 0630		
				Also heard to s/off inFF 1850 . ( BC ) . Poor EE to Africa // 15220 & 17780 khz ( GW )		
21550	0900	GT.BRITAIN	BBC	very strong when band open		SH
21555	0600	AUSTRIA	ORF	good at s/on . Fair in EE 0830 . ( AC ) ; In the clear with fair signal to Far East 0830 .		
21590	0237	PAKISTAN	R.Pakistan	good with slow EE		BH GW
21610	1930	USA	WYFR	, EE & PP religious program .// 21525 khz		Pra

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
21600	0555	USSR R.	Moscow	good in EE .	JS
21610	2020	USA	WYFR	fair with gospel program till s/off 2052 .	BC
21625	1100	Pakistan R.	Pakistan	fair with EE dictation news .s/off 1115	BC
21640	0130	JAPAN R.	Japan	news and current affairs . (JG ) ; Good in EE	FB GW
21660	0729	USSR R.	Moscow	new frequency with CC transmission .// 17700	17710BC
21675	2005	USA	WYFR	fair signal to Europe . // 15440 khz	PH
21675	0900	FRANCE	RFI . FF Service . // 21580 khz . Good signal		Pra
21680	0959	GERMANY	FED. REP. Deutsche Welle	Excellent in EE to Australasia	
				Replaces 17715 khz .	GW BC
21680	0800	AUSTRALIA	R.Australia	very good at first but rapid fade out as band collapsed . ( It is quite common for a station to completely fade out in a couple of minutes on 13 metres as propagation conditions change ; Ed. )	JS
21705	0915	FRANCE	RFI	very good in this new frequency . In FF .	BC
21715	0900	AUSTRIA	ORF	opening with a fair signal to Far East & Aust.	GW AC
21735	1145	MOROCCO	RTVM	Rabat good with indig.music . news in AA 1200	BC
25605	0535	ISRAEL	IBA	regular Sat/Sun in RR . Best on SSB .	BC
25620	0755	FRANCE	RFI	Special program for Antarctic till s/off 0846 ( This obviously your station Paul . )	BC
25690	1020	PORTUGAL	R.Liberty	.Good in RR over jamming ."Govorit R.Svobodna"	
26095	2200	USA	VOA	Dixon in EE at s/on . ( BC Pra PM )	/ BC

20 contributors again this month . Our thanks to the following ; -  
 JS Jack Searle , PM Pete McKellar , Pra Paul Rawdon , BC Bryan Clark ,  
 GW Gavin Waters , AC Arthur Cushen , PH Philip Hamlin , JG Jim Gorman ,  
 FB Frank Burgess , BH Bill Huddleston , IW Ian Wells , SH Steve Heal ,  
 AD Arthur DeMaine , PR Paul Ramsay , DL Dene Lynneburg , AG Alan Gilmour ,  
 LM Leigh Morris , JM John Mainland . BW Barry Williams ; DM David Munn

#### SHORTWAVE MAILBAG

DAVID MUNN Hamilton advises 13 reports away & QSLs from ORF 6155, WYFR 5985, Finland 21495, Tahiti 6135, Portugal 6025, Noumea 3355.

JIM BENZONI Hamilton has 3 out & QSLs from Bucharest 15340, SEC 9560, 9685- HCJB 11900 & RN Bonaire 9770 with Happy Station Commemorative Card.

DAVE WEBBER Tawa Wellington has another bandscan of 49 metres just to hand. Highlights not in Bandwatch above are: 6005 RIAS Berlin at 1825 fair.Gd 1930. 6006 R.Reloj Costa Rica vg in SS 0820. 6015 R.Clube de Pernambuco 0805 PP pr. 6015 VOA Rhodes vg in AA 1815 past 21. 6030 Sddeutscher Rundfunk gd in GG 1835 past 2030 GMT.

6095 Warsaw 1842 EE fair but mixed. 6100 Libya fair over Belgrade 1915 AA. 6100 R.Yugoslavia gd in EE, 1845.

PAUL ORMANDY Oamaru another Bandwatch latecomer - will hold over for Nov.Ed.

DAVE WEBBER with more 49m highlights:

6045 Paranaense Brazil fair in PP 0940  
 6055 1830 Kuwait vg AA past 2045.  
 6055 Pan Americana Brazil u/NSB 0810.  
 6060 R.Nacional Argentina s/on 0900 gd  
 6065 R.Super Colombia v.pr in SS 0850.  
 6080 PNG Daru on late 0832 29/9. Advts

Some items from our new French member JEAN PAUL BUONOCORE of Marseille.

Family Radio's broadcast sked till 4/11 includes - 1200-1551 on 21525, 17785, 15110kHz; 1605-1700 on 21610, 21525, 17870kHz; 1700-2300 on 21610, 21525, 17875, 17845, 15440, 9660kHz, all in EE for Europe & Africa.

Norway has EE for Aust/NZ every Sunday at 0800 GMT on 11850, 15175 & 15135kHz; for Middle East at 1800 on 21730, 17775 and 15175kHz. Tx Jean Paul!

#### WOMEN IN DXING

Grete Osmundsen recently spoke on Radio Nederland's DX Jukebox about efforts to contact other women involved in the SW listening hobby. Grete says she has received letters now from more than 40 women DXers, and she has the names of many more. The women range in age from 14 to 66, with most aged between 24 and 45. Some are housewives, others are secretaries, nurses, teachers, students and factory workers. Grete says that all these women seem to have only one thing in common - they are not QSL hunters. "Most of the girls do not stay up all night or night-after-night, just to perhaps hear a weak far away station. They usually have favourites, which they listen to frequently. Of course we all like to look for new stations now and then, but most of the females do not find it very important to be on top of ranking lists or have the most. QSL cards." Grete's address is - Grenaveien 7, N-5500 Hauge-sund, Norway. Ladies - why not drop her a line?

International stations are fast moving up to the higher frequencies and for the first time the Voice of America is using the 11 metre band to New Zealand. At the same time most countries have been heard on 13 metres during the past month for transmissions to this part of the world from Europe. A verification from Chile and a schedule shows the extent of their international broadcasting. This information first broadcast on Radio New Zealand medium and shortwave on 1 October at 1015GMT. All times GMT, frequencies in kHz.

Antarctica: AFAN on 6012kHz heard again around 0930GMT with popular music programme.

Antigua: The Deutsche Welle relay on 6085 and 9640kHz both heard opening at 1000GMT with English announcement.

The BBC World Service to the Pacific is carried from Antigua on 6195kHz 0900-0915GMT; 9510 0445-0915; 11775 1100-1330; 17840 2000-2115.

Australia: Radio Australia is testing on 5955 at 0700GMT and on 6120kHz 1330-2030GMT.

Austria: Vienna is using the 13 metre band 21470 0600-0700; 21500 1400-1500; 21555 0600-0900 and 21715kHz 0900-1300GMT.

Chile: The Voice of Chile now has 12 daily broadcasts in English and some of those received are 0230-0300GMT on 11765, 11890 and 2200-2230 on 11715, 15140, 15150, 17715, 17780 and 17800kHz. The other broadcasts in English are 0100-0130, 0230-0300, 0400-0430, 0530-0600, 1100-1130, 1200-1230, 1300-1330, 1530-1600, 1830-1900, 2000-2030, 2200-2230 and 2330-0000.

Finland: Helsinki now using a new frequency of 9755, 2330-2400 but mixed with Radio Canada. To Australia and New Zealand uses 21495 in English 0800-0930 on Sunday and 0930-1000 daily.

Germany: Deutsche Welle heard to Africa on 21500kHz 1045-1115 also using 11785, 15470, 17765, 17875 and 21600kHz. DW changed 17715 to 21680 to Australia, English 0930-1030, September 19 (Mainland).

Guam: KTWG the medium wave station has moved to 800kHz from 770kHz and operates 2200-1400GMT with 10kw. This is the medium wave outlet of KTWR. KTWR has made some frequency changes and at 1000GMT is using 11810kHz for English, while 1430-1500 in English is now 11850 replacing 11890. Another new frequency 11750kHz opens at 2100GMT but is mixed with the BBC.

Hungary: Budapest 11910kHz heard on Monday at 0300GMT with the United Nations Anti-apartheid programme.

Japan: Radio Japan is using the transmitters of Trans Europe at Sines Portugal for a test relay of the General Service in English and Japanese from October 1-21. The schedule is 0700-0730 on 17820 and 2200-2230 on 11825kHz.

Kuwait: English broadcasts on 17740kHz 0500-0800 include news at 0530 and then popular music according to announcements they are also using 9650kHz. The other English broadcast is 1800-2100 on 12085kHz.

Masira: The BBC Eastern Relay station reduced its schedule which was to come into effect on September 3 and cancelled the transmission 0700-0815GMT on 11780kHz and 15310kHz. It is heard with the World Service from 0900 on 15310 and 17770kHz.

Nigeria: Lagos 7255 heard opening 0555 in English, the frequency replaces 7275kHz.

Philippines: Radio Veritas, Asia on 17710kHz English 0100-0200, news 0130 is well received, also using 15275. The address for reports is Box 939, Manila.

U.S.A: Voice of America to the South Pacific is using the 11 metre band for the first time broadcasting 2200-2400 on 21610 and 26095 from Dixon and 17740 and 17820 from the Philippines. 1100-1400 from Dixon on 5955 and 9730kHz.

Spain: Radio Espania Exterior in Spanish to Australia from 0800 on the new frequency of 9790kHz. (John Mainland) This frequency suffers interference from Radio Moscow.

# ..sign off..

RADIO SOFIA's EE sked from 3/9 is - to British Isles at 1930-2000 on 9700, 11720kHz and 2130-2200 on 11750 & 11850kHz; to North America at 0000-0100 on 9705kHz and 0430-0500 GMT on 9530kHz. CS

RADIO MONTE CARLO is back on SW using 6035 & 7135kHz 1730-1830 for a relay of the FF broadcasts of 1466kHz. The prgm "Monte Carlo International" is carried in FF,EE,GG, SS on Saturdays at 1745 to 1815 GMT. Foerster SCDXers 5/9

FEBA SEYCHELLES now pays an annual fee of some £60,000 to the new government of the island. Under the previous regime the charge was £25 annually.

Boomer NASWA Listeners N'bk

RADIO JAPAN is again testing through the relay facilities at Sines, Portugal. From 1 to 21 October, the General Service in EE/JJ is beamed to Europe and Middle East - 0700-0730 GMT on 17820kHz and 2200-2230 on 11825kHz. via Leigh Morris

PIRATE ROUND-UP The Voice of the Voyageur is no more. "North America's most popular radio station" ran it's last broadcast in late August and soon after the FCC had a chat with the organisers. Seems they had been aware of their location all along! via Glenn Hauser. On 23/6 Dutch police seized a ship in Scheveningen Harbour, carrying 3 MW and 2 FM transmitters. The ship apparently to be used for off-shore broadcasts also carried 10,000 records, 225 tapes and 2 complete studios. In Yugoslavia, the newspaper 'Polotika' rported on 24/5 that during a month-long campaign, police had tracked down and closed down 843 illegal radio stations. The paper says the stations were mostly operated by young people who played pop music, and who will now have to pay heavy fines. The French President has asked the government to place legislation before parliament to ensure that the radio and TV monopoly is respected. The French police recently intervened against free radio stations for the first time. Radio 93 in Saint-Denis near Paris, was raided while on-air. Many of France's 38,000 plus municipalities have agitated for the establishment of local radio stations and the French Adult Education University in L'etang de Berre recently conducted a course in which the participants learnt how to build radio transmitters.

Sweden Calling DXers

## market square

FOR SALE: Barlow Wadley XCR30 Mk II Communications Receiver, with DAVRED battery eliminator. Good condition. For details of receiver refer to pages 3 & 4 of the "Listen to the World" supplement of the 1978 WRTVH. Price \$155.00 Contact Arthur Kindell, 51 George Street, Levin. (Telephone 85249)

## NEW ZEALAND RADIO DX LEAGUE

ADMINISTRATIVE OFFICE  
P.O. Box 1313, Invercargill

All queries re membership, policy, subscriptions and competition awards should be addressed here.

STATIONERY OFFICE  
P.O. Box 450, Oamaru

EDITORIAL OFFICE  
P.O. Box 2956, Wellington

Only enquiries relating to content & distribution of the DX Times should be referred to Wellington. Closing date for all contributions is 12 noon on the first Monday of each month.

ANNUAL SUBSCRIPTION: NZ\$5.00  
Joining fee of \$1.00 for new members only. Overseas rates available on request from Invercargill.

BELGIAN RADIO has EE for Africa & Nth Europe at 1710-1755 GMT on 17740 and 11940kHz. "DX Corner" is aired on the 2nd and 4th Sundays of each month. BC

RADIO BANGLADESH's correct address is P.O. Box 2204, Dacca, not as shown in the 1978 WRTVH. Current EE sked is 0445-0515 on 15400, 17890, 21685kHz; 1230-1300 on 15520, 21685; 1815-1915 on 15400, 17710.

Baumgartner via NASWA Listeners N'bk

RADIO TIRANA announced on 1 August that Albania had ceased cooperation with China and the station no longer relayed Radio Peking. via Zilmer NASWA U'date

TWR SWAZILAND's high frequency sked for October is 5950kHz 0315-0345 in Afrikaans; 7280kHz 0615-0800 Afrikaans plus 0800-0830 Saturdays only in RR; 7215kHz 0630-0905 in EE; 9590kHz 0425-0615 in EE; 9730kHz 0430-0600 in Afrikaans; 11760kHz 0630-0905 in EE, 1600-1905 Sun, 1600-1730 & 1800-1905 Mon, 1615-1650 & 1730-1905 Tue, 1600-1650 & 1730-1905 Wed, Thu, Fri, Sat; 11955kHz 0615-0800 Afrikaans, 0800-0830 Saturday only in RR, 1500-1530 in Afrikaans; 15165kHz 1430-1500 Malgache Saturday only, 1500-1545 in FF; 15235kHz 1445-1500 in Lingala, 1500-1545 in FF; 17745kHz 1915-1930 in Lingala, 1930-2015 FF.

via Colin Miller

ALL INDIA RADIO carries the General Overseas Svce in EE at 1745-1945 GMT on 15165, 15125, 11620, 9715 and 9525kHz Steve Heal

RADIO FINLAND has a new series of 12 audience cards, a different QSL being issued each month.

Jean Pierre Buonacore