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NEW ZEALAND DX TIMES

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PACIFIC FORUM

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OCTOBER 1981

Since the 1940s, shortwave programmes from Radio New Zealand have been broadcast from the site at Titahi Bay near Wellington with a power of $7\frac{1}{2}$ kilowatts. Now, the towers are about to collapse, the transmitters are worn out and a reduced staff are dispirited. Papers have been written, reports presented and commissions have sat and pondered about the future of the External Services Division.

Several years ago, the response of the Government was to close the service down. But the signal beamed out from those tiny transmitters was being heard by people in the United States, in Europe, in Argentina, in Japan, in Saudi Arabia. These people wanted to learn about New Zealand, about its people, its products, its policies, its position in the Pacific... the ocean of the future. International pressure from these listeners, from other governments in the South Pacific forced the New Zealand Government to reinstate shortwave broadcasts after just a few months with a relay of the domestic National Programme. Limited resources have restricted additional programmes, and a tightfisted Ministry of Foreign Affairs has controlled the shoestring budget and disregarded the shortwave broadcasts in its operational policies.

In 1981, New Zealand should acknowledge that a strong presence on the Pacific airwaves is a central part of its responsibilities as a stable and developed island nation in the South Pacific. It is an area where ideological and economic rivalry is increasing. Other nations eye a cluster of small mostly independent island states with limited resources for survival, but strategically located and largely unable to benefit from their technical possession of Exclusive Economic Zones covering the largest mass of water on earth.

In Rarotonga, local listeners find that the signal from New Zealand is swamped by a powerful transmitter beaming programmes from West Germany. Radio Australia is now building a powerful new shortwave complex at Townsville to broadcast the Australian view into the Pacific. Radio France International is building a similar complex in New Caledonia and commercial religious stations are planned for areas of American influence in American Samoa and Hawaii. Another powerful transmitter is now on air on the island of Guam.

Listeners to hundreds of thousands of transistor radios and community sets in the islands are enjoying excellent reception of Radio Moscow, Radio Peking, NHK Tokyo, Voice of America, Voice of Germany, All-India Radio..... and the $7\frac{1}{2}$ kilowatts of Radio New Zealand is rarely heard amidst the more powerful 100 and 250 and 500 kilowatt transmitters blanketing the Pacific with their messages from other parts of the world.

Lack of interest and support from the Broadcasting Corporation of New Zealand, poor analysis of the impact of radio on Pacific audiences by the Ministry of Foreign Affairs and political myopia by New Zealand political parties all combine to reduce the New Zealand presence in the Pacific. Little wonder that island leaders are increasingly looking to the United States, Australia and Japan for leadership in the Pacific. Our National Song includes the words "make her praises heard afar" but with $7\frac{1}{2}$ kilowatts the praises are struggling to get out of Titahi Bay on a clear night.

PO Box 2956 WELLINGTON: NEXT DEADLINE : 2 NOVEMBER 1981

DAVID RICQUISH
Chief Editor

NEWS

SUBSCRIPTION INFORMATION

All subscriptions to the New Zealand Radio DX League expired on 31 August 1981. Under the new system, the annual subscription for all members is now due on 1 September 1981. If you have not yet paid then you should do so as soon as possible to avoid any disruption in delivery of future copies of the "DX Times". We welcome your continued membership and urge you to renew before the end of October at the very latest. Members who have not renewed by then will automatically be removed from our mailing list. As membership fees are likely to rise after the League AGM, it will save you both money and embarrassment if you renew without delay. Under the new financial system it is only possible to budget properly for the coming year if all members renew as soon as possible after 1 September each year. To assist you, a renewal form is enclosed with this issue and should be returned immediately. Thank you.

MEMBERSHIP QUESTIONNAIRE

To assist the Editorial Team produce a magazine that meets your needs, we have enclosed a questionnaire with this issue and would be pleased if you would fill it in and return it with your subscription renewal.

The information obtained will enable us to develop a membership profile which will be of use as changes are contemplated for the magazine. It will also identify areas of interest so that the League can better serve its members with DX Aids and services. The profile is also necessary to attract potential advertisers whose products will be of interest and use to members. It will then help us broaden our financial base so that we can provide a wider range of services to meet your needs and make any production changes to the DX Times which may prove necessary in the 80s.

HAP : HANDICAPPED AID PROGRAM

As you probably already know, Sam Barto in the U.S. has been selling stickers, pens, T-shirts and the like in the Handicapped Aid Program. More than \$3000 from sales has been paid out to HAP groups all over the world.

Sam has greatly appreciated help from NZ in providing a large collection of items for sale and has made a substantial donation to help handicapped listeners.

If you are handicapped, please write to Arthur Cushen, Director HAP Oceania with your plans for the best use of the funds to enable handicapped listeners better enjoy the DX hobby.

NEW STATIONERY SECRETARY SOUGHT

With the resignation of Ted Sutton of Oamaru, Administration Committee is calling for a volunteer to act as National Stationery Secretary.

The work covers the handling of all stationery items to branches and to individual members, and keeping a stock of adequate supplies of all the items available.

If you would like to handle this position, please write: National Secretary, NZRDXL, P.O. Box 1313, Invercargill.

AN INVITATION As well as news about what is being heard on the dials, the DX Times has plans to bring you a series of articles on various aspects of DXing written by wellknown DXers internationally.

To complement these articles, we wish to feature articles on any topic you find interesting. This is an open invite to all members to contribute articles on any aspect of the hobby.

If sufficient material is received, it is our intention to produce a very special edition of the DX Times with as many interesting articles as we can put together. This will be a bonus issue for all members and we look forward to your support.

BONUS ISSUE FULL OF FEATURES PLANNED

renew

today!

Shortwave Mailbag

Compiled by

Bill Huddleston.

With many thanks to Bryan Clark for taking over the pages last month. Its time to look through the results of the many hours of DXing by those members who have braved the winter cold, and got out of that warm bed. Quite often the station showing in the Best of the month section, tends to detract the reader from the very laudable efforts of the verifying that hard to get station which due to its geographical location fails to capture the top number of points. This month is a case in point. While not trying to down grade the verifying of Radio Dublin, which has tended to hold the lime-light for many months, space is well served in recording the verifications of stations such as:- Cape Verde 3930 KHz 1Kw. Sao Tome 4807 KHz. after a two year wait. YVLE Venezuela 3223 KH with 1Kw and many other. Perhaps it time for a change in how we record the best verifications of the month. Now to open the Mailbag.

Brian Webb Upper Hutt has reports out to 71 stations and veries back from KEE 9360 9765, Bucharest 15380, TWR Monte Carlo 9495, Moscow 9530 9780 11630 11750 12000 12050 21490, RBI 6070, NHK 15195 Sines relay 15235 15325, VOA Washington 26040, Seoul Korea 9870. I will pass on your comment to Bryan, Thanks.

Tim Austin Bluff has been getting QSLs back for reports sent in the school holidays, including, R.Sante Fe 4965 + pennant, k. Guaiba 5965, Fusian Front 7850 7025 6765 5900, CPBS 9170 17605 15550 15030 15590 5880. Tim had an interesting day in August with a visit to Radio Southland. Thanks.

Alan Gilmour Greymouth has been very busy with 20 reports sent out and QSLs back from Budapest 27525 9585, SRI 21630 NHK 15195, Kol Israel 21600, Prague 9540, SFR Madrid 9765, RBI 21575, Warsaw 6095, RN Bonaire 21685, R.Veritas 9535, RAI 21560 6165, Vatican 11830 R, Portugal 11775, ORF 6000, VOFC 9610 very nice Alen.

Andrew Booth Darfield has 4 reports out and QSLs back from Portugal 9575, RAI 9710 HCJB 11900, Cuba 11930, Norway 15175, WINB 15185, BEC Ascen. 15260, SRN 15305, NHK 15310, Kuwait 15345 ORF 15560 Thanks.

Arthur Cushen Invercargill has verified LRX 11755, AIR 15110 ORF 15560, Berne 9725, RRI Tanjungkarang 3956, Montreal 11770, Beijing 17765, KTWK 15315 17825, YVTC 5225, Berne 17715, Spain 17830, Pakist 21745, Xishuangbanna 4760,

John Mainland Wellington has veries back from Dublin 6910, Madrid 21595, ICR via Malta 9515.

Ray Crawford QSLD has 15 reports out and veries from Korea 15575, Beijing 15435, Namibia 3270, sorry out of space.

Laurie Boyer Invercargill has a second list, I expect one list was lost in the mail, or late posted. with 50 reports out this month and veries back from Pakistan 17835, Korea 11735, Taiwan 17890, ZYF 690 RN Bonaire 21685, Portugal 6155, R.RSA 4835, Finland 9650 15265 21465 RNZ 15485, ZYE 582 SBC. 21965, WYFK 21525, 6025. RAI 15400 Beijing 12110 15550, Moscow 9795 15415 21660 21490, RSA 15220.

Paul Rawdon Eastbourne has a little quality with veries from Sao Tome 4807, after a 2 year wait, RAI 11800 RN 21685.

B.L. Murray Invercargill has sent out 10 reports, with QSLs back from VLW15 15425, Vietnam 10040, Thanks.

Bill Jolly Kawerau has one QSL back from Budapest 17710, many thanks for the kind thoughts, now back to normal.

Peter Jones Hamilton is having a quiet time with veries back from ICR/R.Med 9515 Fuzhou 6765.

Jim Webb Manakau reports having QSLs back from VOA 5995, Portugal 6155, Albania 7300, NHK 11840, Rumania 15380, Kol Israel 15522, Canada International 17820, Thanks.

Norris Sturgess Roturua had two veries delivered by hand from the Tech Director of ZPI Paraguay 11915 by some one who came to Roturua on the inaugural flight of Argentine Airlines, also from UN Radio 15250, Bucharest 9570 SBI 3985. nice.

Shortwave Mailbag

Laurie Boyer Invercargill has a good selection of veries back from, Apintie 5005, WYFR 21615, NHK 11780, Moscow 21530, 15265 15220 11770 17700 12000, Gabon 4770, Nederlands 6020, Prague 7345 9540, El Mundo Argentina 11710, Swiss International 15305 17850, Beijing 17605, Turkey 11770, NHK 15390 15195 11840, HCJB 9745 Spain 9630 RN Bonair 6020, VOFC 11745, R.Panamericana 6105, Saudi Arabia 13810 ? Korea 9860 9570, DW 6025. Thanks.

Bill Huddleston Auckland has 15 reports sent out and veries back from, Austria 17745 12015, Prague 9740, Dubai 15320, Iran 9022, Moscow 11720 17700, 12010, RM Armavir 21450, K.Kenasenca 11745, Apintie 5005, Spain 9765, Kol Israel 15582, Galei Zahal 14728, Namibia 4965, Beijing 17700, NHK (Sines) 15235, ICR. Malta relay 9545, Nigeria 15120, RAI 7275, King of Hope Lebanon 6215.

Frank Vader Auckland reports QSLs Back from Viet:am 10080, Afghanistan 6230, Norway 11870, Greece 21700, Belguim 15175, KAI 7235, HCJB 3220, WYFR 21510, Budapest 21525 17710, Sth Korea 9570, Lebanon 6550 Thanks.

John Durham Hamilton showing the way with with a number of excellent QSLs back from Cape Verde 3930, Sao Tome 4807, Caribbean Beacon 1610, VL2UV 1720, R. Panamericana 6105, Galei Zahal 14728 BBC Kranji 15280.nice John.

Ian Cattermole Blenheim advises of QSLs back from Galei Zahal 14728, Stockholm 15380, Budapest15220 Veritas 11770, Bucharest 11725 15360, DW 6100 RBI 21575, Illimani 6025, REE 9650, VOA Kavala 15205, BBC 9600. They tell me Blenheim is the top for hours of sunshine, better send a little up here.

Lance Johnston Christchurch has veries from Mt Hagen 2450, Tashkent 11785, DW 9700, VOA 26000, WYFR 21615, 21525, Kuwait 11650, Vatican11830, REE 11880, 9765, R.Bras 15125, WINB 15185, Dubai 11755.

Ian Wells Dunedin has 4 reports out and QSLs from REE 11945, Israel 11637, Perth VLW9 9610.

Jack Searle Haumoana sent 11 reports out with QSLs from K.Kiev 17870, REE 11840, RN Bonaire 9715, I also think the postie is dead. Thanks

Tony Magon Invercargill reports 8 interesting QSLs back from Dublin 6288, Capital Radio 3950, Lesotho 4800, RSA 3965 3250, Swaziland 4980, SWABC 4965 3270, a few nice ones there.good to hear from you again.

BEST OF THE MONTH

Over 9MHz

RSA South Africa 15220 500KW

Laurie Boyer 97 Points

RAI Italy 21560 100KW

97 Points Alan Gilmore

Under 9MHz

Radio Dublin 6910KHz 400Watts

134 Points Bill Mannix

Bill Mannix Owaka tells us that he gets an 80% return on the reports sent out, while receiving QSLs from Dublin 6910, TWR Monaco 9495, and sending reports to a further four new countries. good to hear from you down there in the bush Bill.

Les Boyd Wanganui Has reached that well known conclusion, that if you don't send them out, it hard to get them back' while receiving QSLs from AIR 15110, Albania 9745, Moscow 15460 21490, NHK 15195, ORF 12015, Beijing 11505 11520, Kol Israel 21710. just keep them going out Les,good luck.

Peter Schnell Palmerston Nth. has 12 reports out and veries back from RN. Bonaire 21685, Vietnam 10040.

Arthur De Maine Auckland is having a quiet time with 3 reports out and verie back from RBI 21575, TWR Bonaire 11815, Thanks.

Liz & Rick Jackson have 8 reports out and QSLs back from AFRTS 11805, Beijing 17765, RAI 11800, NHK 15195, Korea 9870 RN 9770, TWR Bonair 11815, Veritas 9535 SRI 21695, Sweden 21640, VOFC 15270 17890 + necklace and key ring,very nice.

Lindsay Robinson Invercargill sent out 6 reports and received QSLs from TWR 9495, Veritas 9535, La Vos De Nicaragua 5950 for country 121 good going.



Welcome to the September SW QSL Review. As usual the mailbag is overflowing with many interesting veries, but the highlight would have to be a verie from Radio Nepal as received by Leigh Morris. Indeed it would be a long time since Nepal has replied to anyone. So we'll get straight into the mailbag and disclose its contents.

ALGERIA: Radiodiffusion Television Algerienne. Blue folder type card with red & yellow stripe. Full data inside card in French, opposite this

a photo of Bouzareah, microwave station. Received in 6 weeks for an EE rpt & 2 IRC's. (Ron James, Wellington. Frequency??)
ANDORRA: Adventist World Radio. 15020 kHz. QSL Card showing an unknown flower with verse from Isaiah 1-18 overprinted. Full data on reverse but not signed. (Jack Searle, Haumoana.)

BRASIL: Radio Inconfidencia. 6000 kHz. Postcard showing view from summit of Mangabieras, Belo Horizonte. On reverse personal thanks from Euenio Silva confirming the rpt and stating that they are going to double their power next year. Recd in 1 month for EE rpt & 2 IRC's. (R.James. Nice one Ron. Ed.)

REP. OF CHINA (TAIWAN): Voice of Asia. 5980 kHz. QSL card with photos of Malaysia, Hong Kong, Taiwan, Singapore, Philippines and Jakarta on the front and full details on the reverse. Recd for an EE rpt & 2 IRC's in 11 weeks from: P.O. Box 880, Kaohsiung, Taiwan. (R. James. Seems they are now answering.)

ECUADOR: HCJB. Special QSL printed for 26020 kHz depicting 5 element cubical quad antenna & inset picture of the Johnson Viking 200 watt transmitter. Also gives full tx schedule for 26020 kHz. Verie signer was Thomas D. Pulghum. (Jack Searle.) HCJB 6095 kHz 50th Anniversary QSL cd with full data recd in 1 month by air for EE rpt & 60 ct NZ mint stamp. Also personal letter from Roger Stubbe, Frequency Manager confirming power as 30 Kw (D. Lynneberg)

GABON: La Voix de la Renovation, Libreville. 4777 kHz. Folder card bearing map received in 3 months for a FF rpt & 2 IRC's. (Leigh Morris, Adelaide. S. Australia. Nice to hear from you again Leigh. Ed.)

FEDERAL REP. OF GERMANY: RIAS-BERLIN 6005 kHz. QSL cd depicting RIAS building. Date & Frequency entered on reverse which is printed in EE & GG. Card not signed. Recd for an EE report on GG prog with no RP sent. (J. Searle)

IRELAND: Radio Dublin. 6910 kHz. full data card with sticker and personal letter in 3 weeks for 2 IRC's. verie signer was Angle Meier. (Leigh Morris.)

LEBANON: King of Hope 6215 kHz. full detail personal letter from Charles Pollak. V.P. & Gen. Manager. Back in 1 month for an EE rpt & 1 IRC from Hptel Arazin, Metulla, Israel. Reply by air. (Dene Lynneberg, Pukerua Bay.)

LUXEMBOURG: Adventist World Radio via R.Luxembourg. 6090 kHz. Same QSL card as for Andorra-AWR. Recd for an EE report. (J. Searle. How long did it take? Ed.)

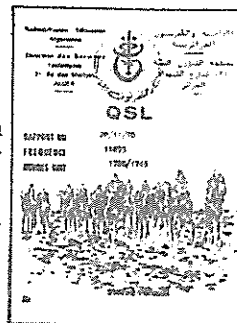
NAMIBIA: Radio SWA. 4965 kHz. f/d card showing Hoodia Vainisii with pondok mountains in b/ground. In 1 month by air for EE rpt & 1 IRC for reception 2052-2312 GMT 27.6.81 (Tony Marr, D. Lynneberg.)

PAPUA/N.GUINEA: 7x5 white card with black outline of PNG & f/data on back. v/s Pearson Talwat. In 2 months for an EE rpt & 2 IRC's. (R. James. But which PNG station Ron. Ed.)

RADIO "THE VOICE OF VIETNAM"

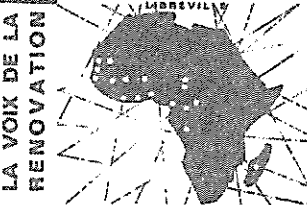
53 Quan Su Street, Hanoi N.V.N

Well as always space has run out. Tax this month to: Ron James, Tony Marr, Jack Searle & ye Ed. from NZ and from Aussie, Leigh Morris. 73 Sec. Ed. Dene Lynneberg



CASILLA 601, QUITO, ECUADOR

RADIODIFFUSION TELEVISION GABONAISE



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LUXEMBOURG: Adventist World Radio via R.Luxembourg. 6090 kHz. Same QSL card as for Andorra-AWR. Recd for an EE report. (J. Searle. How long did it take? Ed.)

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November sees the introduction of new schedules for the D period, the move to Daylight time finds signals heard an hour later on shortwave, and next month will find KTWR operating its four transmitters. Number stations in German, Spanish and English have been heard for years, but a new one with phonetic alphabet coded messages has been heard on 3930kHz from 1830GMT. This is part of the script of New Zealand Calling on shortwave 0315GMT 15485, 17860 and 1015GMT on 11945, 15485kHz (one hour later from October 26). All times GMT, frequencies in kHz.

AFGHANISTAN: Kabul heard with English news and commentary 1900-1930 on 15077kHz but a weak signal.

AUSTRIA: Vienna noted on some new frequencies on 15225, 1700-1900 mixed with the BBC and Radio Japan; 21495 1700-1900 English at 1830 and 21695 1100-1200.

BONAIRE: TWR 9700kHz heard with English 0345-0600 and noted at 0400 mixed with Sofia.

BRAZIL: Radio Education Rural operating on 4755 now uses 10kW according to a verification.

CUBA: Havana is using 9730kHz in Spanish 0400.

ECUADOR: HCJB English to the South Pacific 0700-1100 6130, 11925 and 0700-1030 9745; 2130-2200 15225, 17790, 21480. DX Party Line to the South Pacific with Roger Stubbe 0900-0930 Monday, Thursday, Saturday only on 6130kHz.

GREECE: Athens heard 0400-0450 on 9535kHz mixed with Radio Canada to 0430. Also on 7110, 9655.

GUAM: KTWR Japanese version of DX Listeners' Log 1028GMT 11840 and 1328GMT 15350kHz every Friday. KTWR first opened on September 11, 1977 with two 100kW transmitters, and on October 17 will add transmitters three and four both of 100kW. The tentative schedule is Transmitter 3 - 2057-2157 9505; 2157-2400 15405; 0457-0700 17830; 0815-1057 15205; 1057-1457 15350; 1457-1600 9505. Transmitter 4 - 2057-2157 11790; 2157-2400 15420; 0457-0700 15405; 0815-0957 15240; 0957-1057 15240; 1057-1257 11735; 1257-1600 11895. Transmissions beamed to China, Indonesia and India.

KAMPUCHEA: 9695 with English news 1200 then commentary, at 1215 announcement in Cambodian then programme in French but signals suffer from severe jamming.

PAKISTAN: Slow speed news in English 1100-1115 on 17665kHz and 21800 though listed 21784kHz. Also 0230-0245 17840, 21595, 21755kHz.

PORTUGAL: Lisbon broadcasting to Timor and Australia 0900-1030 on 21555, 21640 but 21555 blocked by Sweden SSB. Lisbon has extended its transmissions on 11955 and now carries Italian 0230-0300 with the closing announcement mixed with BBC.

SPAIN: Madrid has retimed its transmission in Spanish to Australia, now 0600-0930 on 9650 (test) 11730 and 21595.

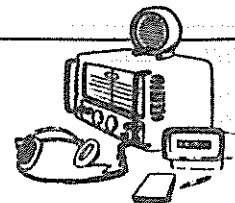
SWEDEN: Stockholm broadcasts in English from November 1: 0230-0300 9695, 11705; 1100-1130 21610; 1230-1300 11765, 21690; 1400-1430 21615, 21700; 1600-1630 6065, 15435; 1830-1900 6065, 15240; 2100-2130 11845, 11955; 2300-2330 9695 and 11705kHz.

SWAZILAND: Trans World Radio 5950kHz heard with Portuguese gospel programme to sign-off at 1830GMT with the usual interval signal.

TAIWAN: The Voice of Asia 5980kHz heard with Chinese-English lessons 1030-1045 then an hour programme in English with music and news at 1100.

USA: VOA is using the 11 metre band as follows: 25615kHz 2200-0200 (AFRS); 25705 0800-1400 (Philippines); 25800 1600-1830 (Bethany); 25880 1200-1800 (Tangier); 25920 1430-1800 (Tangier); 26000 2200-0300 (Philippines); 26000 0600-1400 (AFRS); 26040 1300-2300 (Greenville).

with BARRY WILLIAMS of Auckland



It was brought home to me last month that an expensive receiver and a large antenna were not the main requirements for good DXing. A more important factor is location. A country location or a location that has underground power reticulation would be ideal. Distance from coloured TV sets is an added bonus.

Yesterday morning I went jogging while there was quite a steady drizzle. In my immediate neighbourhood there are two HF power lines. While jogging I passed 3 power pylons. As far away as 100 yards I could hear the noise from the pylons as the current arced across the wet insulators. Three weeks ago I tried DXing at a Waikato farm. Across the farm ran HF power lines. No problem till the rain arrived then the power noise came. DX on the low frequencies was a complete wipe out.

So lets look at DXing priorities. First, a good location away from power noise; secondly, a good antenna system; and lastly a good receiver. If anybody is fortunate enough to enjoy all three then they should have no trouble in hearing most of the stations in Bandwatch this month.

In particular, Turkish Police Radio 6340, Kota Kinabalu 5980, Comores 3331, Mozambique 3210 and Iceland 12175 kcs. The station of particular interest this month is Bryan Clark's logging of Radio CBN the new Australian Pirate heard on 4/10 on 13998 khz.

All times are GMT Add 12 hours for NZ time. Frequency in khz.

| FREQ | TIME | COUNTRY | STATION | PROGRAM & RECEPTION DETAILS | INITS |
|------|------|--------------|--------------------|--|----------|
| 3210 | 1705 | MOZAMBIQUE | Maputo, | Poor with Portuguese news. | JM |
| 3222 | 2015 | TOGO | Lama Kara, | Fair signal with musical program | RC* |
| 3265 | 1800 | MOZAMBIQUE | R.Mozambique | External Service with English news. Fair reception in spite of teletype QRM. | BC |
| 3285 | 0830 | BRAZIL | Radio Clube | Ident.fair despite heavy QRM. No sign of Belize on Independence Day. | BC |
| 3307 | 1745 | ZIMBABWE | Gwelo, | In English with ID * This is the Zimbabwe BC Corporation * then commercials. | BC |
| 3331 | 1750 | COMORES | Moroni, | Best ever heard. Fair with teletype. Het. removed with notch filter. French news 1800. | BC |
| 3343 | 1803 | UNIDENTIFIED | | Too noisy to identify but perhaps Zanzibar ex 3339 as SCDXers reports drift to 3341. | BC |
| 3368 | 1811 | UNIDENTIFIED | | Middle East program in Arabic type language. Good signal to past 1900. Talks and chants. | BC |
| 3380 | 1805 | MALAWI | MBC, Blantyre, | with English news fair. | BC |
| 3915 | 1727 | SINGAPORE | BBC Relay, | Good with "Meridian Newsreel" | NS |
| 3930 | 2000 | FRANSKEI | | Fair in English on new frequency. Ex 3950 khz. | RC* |
| 3985 | 1815 | SWITZERLAND | SRI, | transmission to Africa in English. Fair | NS |
| 4770 | 1940 | NIGERIA | Kaduna, | .Good in English. Local messages. | RC* |
| 4807 | 2045 | SAO TOME | , | Often good in Portuguese. | RC* |
| 4835 | 1800 | SOUTH AFRICA | RSA, | Heard at fair level with English news. 4880 in Africans much stronger. | BH BC |
| 4840 | 1217 | CHINA | ? | fair with Chinese music and song. | JW |
| 4853 | 1940 | YEMEN | A.R. Sanaa, | Talk in Arabic. Music. // 6050.9870. | NS |
| 4915 | 0600 | GHANA | GBC has | English news at fair level, followed by local programming. | BH |
| 4950 | 2000 | GLANDESTINE | La Voz de Verdade, | .Pro South Africa. VG at s/on | RC* |

| FREQ | TIME | COUNTRY | STATION | RECEPTION & PROGRAM DETAILS | INITS |
|-------|------|-------------------|---|--|----------|
| 4965 | 1035 | BOLIVIA | R.Juan XXIII | .Poor mixed with Santa Fe . | RC* |
| 4980 | 1100 | BOLIVIA | Battalon Popater, | Poor under Ecos del forbes, Heardoften but never very strong. | RC* |
| 4892 | 2020 | MOZAMBIQUE | Nampala, | Fair in Portuguese with pops. | RC* |
| | | | | 4894 heard 1808. Good with several full IDs. | BC |
| 4990 | 1917 | SOUTH AFRICA | RSA, VG in Portuguese for Angola/ Mozambique | NS | BC |
| 4996 | 0515 | PERU | R.Andina, | with a very Good signal | JS |
| 5010 | 1419 | SINGAPORE | BC. // 5052, 11940. | Musical program. | FC* |
| 5050 | 1918 | TANZANIA | Dar es Salaam, | good past 1930. Highlife music | BC |
| 5055 | 1905 | SWAZILAND | TWR, | Fair in English to 1935 s/off. | RC* |
| 5980 | 0950 | SABAH | Kota Kinabalu, ID 1000 | .Program in Malay .News to 1014 when Voice of Asia carrier comes on . | BW |
| 5980 | 1930 | USSR | RM. "Moscow Mailbag " | on Sat. One hour BC to GB7Ireland 2000 carries on with World Service. | BW |
| 5980 | 1930 | MALIA | Cyclops ? | Program pops. French anncs. Mixed with Moscow 1955 also noted RAI IS with end of transmission . | BW |
| 6060 | 1921 | AUSTRALIA | RA // 6080khz. | " Australia Insight" | JW |
| 6065 | 0600 | COLOMBIA | Super Radio, | Good with music and commercials | LR |
| 6070 | 1758 | BULGARIA | Sofia, IS then s/on 1800 | in Albanian. //6160. Fair | BW |
| 6185 | 0531 | PORTUGAL | Lisbon, | Fair with news in English . | JW |
| 6340 | 0522 | TURKEY | Ankara, | Turkish Police Radio, Poor with mainly Turkish music. Occasional announcements. | JD |
| 6550 | 1815 | LEBANON | R.Voice of Lebanon, | Poor signal with news. Followed with music and French announcements. | BH |
| 7255 | 0510 | NIGERIA | Lagos, | Good signal English . Some QRM | JS |
| 7260 | 1930 | GERMAN DEM.REP. | RBI, English news then full stat.ID. 2010. | In clear Sunday when Vanuatu appears to be off air. 2013 IS. | BW |
| 9475 | 0301 | EGYPT | Cairo, | Economic Review, English | JW |
| 9535 | 0400 | GREECE | Athens, | new freq.mixed with R.Canadato 0430. Good | AC |
| 9540 | 1600 | POLAND R.Polonis, | with English to Africa. Severe QRM. | | BH |
| 9560 | 1500 | ETHIOPIA | Voice of Revolutionary Ethionia, | has one hour English program of music and news. Good signal . | BH |
| 9590 | 2235 | SOUTH AFRICA | RSA, in Portuguese till 2257 then Spanish. | | RC* |
| 9590 | 0900 | USA | AFRIS, | Good with news and sports. | LR |
| 9610 | 1009 | AUSTRALIA | VLW9, | Good with a program of music . | IW |
| 9640 | 1700 | JAPAN | R.Japan. 15 minutes in English in General Service. | | BH |
| 9670 | 1715 | PORTUGAL | Sines, IBRA. | Station ID in English 1730 . | NS |
| 9675 | 2000 | POLAND | R.Polonis, | Good with English news. | LB |
| 9680 | 0857 | AUSTRALIA | VLH9, | Very good with news at 0900 , | IW |
| 9695 | 1200 | KAMPUCHEA | Phnom Penh, English news then French at 1215. Jamming | AC | AC |
| | | | Voice of Kampuchea with 12 min. news at 1200 .Fair signal | | BH |
| 9700 | 0345 | BONAIRE | PWR, | Opens in English . Mixed Moscow WS. | AC |
| 9715 | 2035 | BONAIRE | RN, | Verified as Bonaire but thinks is Madagascar. | JS |
| 9730 | 0400 | CUBA | Havana , | Spanish news.. Severe side interference. | AC |
| 9765 | 0550 | PORTUGAL | R.Portugal , | Good in English to NA. Ex 9575. | AG |
| 9950 | 1550 | INDIA | AIR, English transmission " Spotlight." | | NS |
| 9977 | 1545 | KOREA | Pyeongyang, | Fair with English transmission. | NS |
| 11455 | 0905 | CHINA | R.Peking, | English transmission, News, Morse QRM,Good | JW NS |
| 11600 | 0945 | CHINA | R.Peking, | News and Sports , English | JW |
| 11620 | 2100 | INDIA | AIR, | Good with Current Affairs program . | LR |
| 11705 | 0245 | SEYCHELLES | FEBA, | Heard with s/off under R.Sweden. | BC |
| 11720 | 2145 | BULGARIA | R.Sofia, | DX Session on Fridays, English , good | LB |
| 11730 | 0700 | SPAIN | SRI , | News in Spanish . Good | JW |
| 11740 | 0851 | AUSTRALIA | RA, | Weather report followed by music, VG sig. | JW |
| 11770 | 0705 | NIGERIA | Lagos, | "Nigerian Rythms"0730 news,Nigerian news 0745 Good at 0600 with news and program beamed to Stnn.Africa | BC BH LR |

| FREQ | TIME | COUNTRY | STATION | RECEPTION AND PROGRAM DETAILS | INITS |
|-------|------|-----------------|--------------------|---|-------|
| 11775 | 2030 | PORTUGAL | Voice of Portugal, | English to Africa/Europe.//9605 | BH |
| 11780 | 0200 | BRAZIL | R.Nacional, | "Amazonas Service " Portuguese over VOA | BC |
| 11780 | 0800 | ARGENTINA | R.Belgrano, | Fair with many Idents. Music. | LR |
| 11800 | 2017 | SRI LANKA | SLBC, | Good in English with some Sideband QRM | JS |
| 11800 | 0059 | IPALY | RAI, IS to 0100. | then English transmission | FC* |
| 11805 | 0035 | BRAZIL | R.Globo, | " futbol" commentary, VG in clear to 0200. Other Brazilians around this time Fupi 11765,Bandierantes 11925, | BC |
| 11815 | 0202 | BRAZIL | R.Brazil Central, | On top of Warsaw English Service with " Futbol" . Good copy later but mixed. | BC |
| 11830 | 2010 | VATICAN | HVJ, | English to Aust/NZ . Fair ,// 15120 . | BH |
| 11850 | 1830 | JAPAN | R.Japan, | English to Europe // 15225 khz. | AC |
| 11880 | 0600 | SPAIN | Madrid, | Good with music and news. | LR |
| 11938 | 0000 | KAMPUCHEA | Phnom Penh, | English news then French 0015 and Vietnamese 0030 . Poor signal . | BC |
| 11960 | 0700 | MALI | Bamako, | Excellent at s/on after 7 minute Anthem (All I hear here Ray is RCI to 0700 then R.Moscow. Ed.) | RC |
| 12035 | 1333 | VIETNAM | Hanoi . | ID as Voice of Vietnam . | NS |
| 12070 | 1200 | MONGOLIA | Ulan Bator, | Fair in English. | EW |
| 12175 | 1902 | ICELAND | Reykjavik, | Icelandic till 2000 when full ID. Fair sig. | BH |
| 13998 | 0000 | AUSTRALIA | Radio CBN, | Rock music and IDs. Heard 4/10 Peaking to good. An Australian Pirate. | BC |
| 15030 | 1016 | CHINA | R.Peking | Popular Classics, Chinese program . | JW |
| 15077 | 1901 | AFGHANISTAN | R.Afghanistan, | fair with English news. . | BH |
| 15155 | 2130 | CUBA | Havana, | Good in English | LB |
| 15160 | 0743 | BULGARIA | R.Sofia, | Fair in English. | JS |
| 15205 | 1055 | INDIA | AIR, | Strong in English | JS |
| 15225 | 1830 | AUSTRIA | ORF, | English to 1900 but mixed with Tokyo. | AC |
| 15225 | 2130 | ECUADOR | HCJB, | English to 2200 beamed to Europe. | AC |
| 15270 | 0600 | FINLAND | Oslo. | Strong in Finnish and Swedish. | JS |
| 15270 | 0530 | RUMANIA | Bucharest, | Fair in English to Africa. | JS |
| 15273 | 0045 | URUGUAY | SODRE, | Fair with popular Spanish music program . | BC |
| 15285 | 0430 | BULGARIA | R.Sofia, | Strong with English to Africa. | JS BH |
| 15330 | 2200 | ITALY | RAI, | Heard at fair level with English to Japan, //11800 | BH |
| 15375 | 2212 | KOREA | SOUTH Seoul, | Poor and noisy signal . In English . | JS |
| 15425 | 0815 | USSR | RM, | VG with English, comment and music . | IW |
| 15435 | 0530 | QATAR | Doha, | Arabic news to 0545, Fair on new frequency | JM |
| 15440 | 2300 | PHILIPPINES | FEBC | Fair at s/on in English. | RC* |
| 15455 | 1803 | USSR | RM, | VG with WS in English. | JS |
| 17700 | 0550 | GERMAN DEM.REP. | RBI | Good in English // 21465 only fair | JS |
| 17800 | 0530 | GERMAN DEM.REP. | RBI, | German to NW Africa , Fair signal | JM |
| 17810 | 2320 | LEBANON | Beruit, | Fair with Portuguese Service. ex 17715 | JM |
| 17830 | 0155 | BRAZIL | RadioBras, | IS to 0200 then opens English to NA. | FC* |
| 17855 | 1900 | BRAZIL | Brasilia, | Poor with English to Europe. | JM |
| 17870 | 0745 | JAPAN | NHK, | Poor under RA. | JS |
| 21495 | 1830 | AUSTRIA | ORF, | English to 1900.Best on 15560 | AG AC |
| 21540 | 0605 | GERMAN DEM.REP. | RBI, | Poor in English . QRM. | JS |
| 21565 | 0900 | AUSTRIA | ORF, | " Austrian Shortwave Panorama" Sundays, Poor | AG |
| 21585 | 2042 | SWITZERLAND | SRI, | Opens in Portuguese. Excellent signal (Jack uses the term " Fantastic " signal. See how good it is) | JS |
| 21610 | 1130 | GP.BRITAIN | BBC, | " English by Radio " VG after Sweden s/off. On top of VOA. | BC |
| 21610 | 1100 | SWEDEN | Stockholm, | .Fair mixed with Austria 1115 | RC* |
| 21615 | 0144 | USA | AFRIS | Delano, VG with Sports, English . | JS |
| 21620 | 0900 | PORTUGAL | Lisbon, | Portuguese to Moscow mixed with Paris | AC |
| 21620 | 1607 | FRANCE | Paris, | "Paris Calling Africa" .French then African news | FC* |
| 21640 | 1000 | PORTUGAL | Lisbon, | Portuguese to Australia . Good to s/off 1030 | AC |

| FREQ | TIME | COUNTRY | STATION | RECEPTION & PROGRAM DETAILS | INITs |
|-------|------|-----------------|--------------|---|----------|
| 21665 | 1835 | GERMAN FED.REP. | RFE | News and commentary in Polish. Good | NS |
| 21675 | 2000 | ISRAEL IBA, | | Good in English with news with " Calling All Listeners " Sunday. //9009 . | BH |
| 21705 | 0730 | CZECHOSLOVAKIA | R.Prague, | English to Aust/NZ . Good // 11855 English news at 0830 | BH LB |
| 21730 | 0800 | NORWAY | Oslo, | Poor in Norwegian. Pops. | BL |
| 21805 | 1100 | PAKISTAN | R.Pakistan, | Dictation speed in English . 0740 strong in Urdu. | LB JS |
| 25600 | 2100 | UNIDENTIFIED | East Asian ? | Heard with Home Service type program. Suspect Korean . Any ideas ? | BC |
| 25615 | 1100 | NORWAY | Oslo, | Good at 1100 s/on. 1200 good signal . English Sundays at 1230. | RC* |
| 25700 | 2000 | ALGERIA | Algiers, | English news to 2015 then popular music . Spanish from 2030. | AC |
| 26000 | 2300 | PHILIPPINES | VOA, | "Breakfast Show" English news. | BL |
| 26020 | 0345 | ECUADOR | HCJB, | 100 watts experimental trasmitter VG with English Gospel . News 0400. Noted throughout the day. waek 1800, 0700;fair 2000; good after 0200. | BC |

| | | | | | |
|-----|------------------|--------------------|----|-----------------|--|
| EW | E.Watts | Devonport | JD | John Durham | Hamilton |
| LR | Lindsay Robinson | Invercargill | BL | Bob Logan | Auckland |
| JW | Jim Webb | Manakau | AG | Alan Gilmour | |
| IW | Ian Wells | Dunedin | BC | Bryan Clark | Auckland |
| BW | Barry Williams | Auckland | BH | Bill Huddleston | Auckland |
| NS | Norris Sturgess | Rotorua | JM | John Mainland | Wellington |
| JS | Jack Searle | Haumoana | AC | Arthur Cushen | Invercargill |
| LB | Laurie Boyer | Invercargill | | | (Nice to see you back on the SW bands again Laurie . Bit tougher on BC these days .) |
| RC* | Ray Crawford | Boyne Island Qsld. | | | |
| FC* | Frank Crow | Los Angeles | | | (Will get around to writing some time Frank) |

RADIO NACIONAL
QUEZALTENANGO
GUATEMALA, C.A.



T. G. Q. 1310 Kc. ONDA LARGA
T. G. Q. A. 6110 Kc. -49 M. ONDA CORTA

Along with IGWA Radio Nacional Guatemala City and IGNA Radio Cultural ,IGQA was one of the more common Guatemalan stations heard during the 1950s.

A few stations noted over recent weeks on 40 metres .Many foreign language transmissions and interesting to do a bit of detective work in identifying them.

| | | | | |
|------|------|------------------|-------------|--|
| 7120 | 0320 | ALBANIA | R.Pirana | Good with Spanish music to Sth.Am. |
| 7130 | 0444 | GERMAN FED.REP. | | Interval signal then Turkish transmis.Good |
| 7175 | 0340 | MONACO ? | IWR IS | to s/on with German program 0345. Fair |
| 7185 | 0315 | GI.BRITAIN | BBC | " The World Today" Sat/Thurs. Fair |
| 7195 | 1800 | LIBERIA | VOA | Monrovia, Special English news. Fair sig. |
| 7195 | 1730 | INDIA | AIR, | 5 Minute English news then Sitar music VG |
| 7235 | 0358 | GERMAN FED. REP. | DW, | in Arabic . |
| 7250 | 1900 | VATICAN | HVJ, | Slovene, 1915 French with IS signal ,Good |
| 7270 | 0430 | POLAND | R.Polanis , | ID and IS then into Portuguese. Good. |
| 7275 | 0346 | ITALY | RAI IS | brd chirp. 0350 Ukraine. Poor |

BN

Shortwave REPORT

with JOHN MAINLAND

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CHINA (With reference to item in June 1981 sign off).The Central People's Broadcasting Station(CPBS) in Peking reported on 30th April that the Soviet news agency TASS and the newspaper 'Pravda',had"fabricated more sensational news",charging that"Chinese authorities had agreed to the establishment of a Voice of America radio transmitter in China".The CPBS then quoted the Acting Director of VOA as saying on 24th April that the VOA had no plans to build a transmission strn in China. **BBC MS 7/5**

JAPAN/PORTUGAL Radio Japan General service via Sines wef Sept 6:0700-0730 EE/JJ 15405;2200-2230 EE/JJ 15185. via JSWC

HONDURAS A station calling itself "La Voz de la Mosquitia"has been observed broadcasting on 4910 from 0000-0200 and 1200-1400.It gives its callsign as HRXR and announces in SS that it broadcasts from a 400 watt transmitter in Puerto Lempira. **BBC MS 3/9**

MALDIVES The Voice of the Maldives is to commission an Overseas service using a converted 30Kw point to point transmitter.No fqs have as yet been selected.This service is expected to be in operation by June 1982,according to Akmed Maniku a/g Manager VOM. **DX Post (SDC)**

RADIO MADAGASCAR has reduced its external service schedule,1630-1830 instead of 1700-1930 on 5010 and 6135. **R.Ginbey RN DX 10/9**

USA., According to a letter from the FCC the Susquehanna Broadcasting Co., has been granted permission to construct a 100Kw tx in Miami,Florida. Transmissions will be beamed towards Latin America. **SCDX 11/8**

RADIO PORTUGAL broadcasts in EE to the USA., 0300-0330 9765,11925;0530-0600 6185,9765. Lisbon external sce PP for Europe and Africa weekdays: 1100-1300 15125,11800,9740;1800-2000 11775,9605,6025;1900-2000 21700, 21490,17880. **BBC MS 10/9**

INDONESIA Two 250Kw txs would be built in 1982 for RRI's sw sce. **BBC MS 10/9**

HOLLAND On December 3rd and 10th Radio Nederland will present "Media Quiz '81" a competition for all shortwave listeners and DXers with prizes that include five copies of next years WRTVH. **RN DX 17/9**

KENYA The Engineer in charge at the Voice of Kenya says there are no shortwave txs near Mombasa only medium wave ones.The Mombasa or coastal service heard on sw comes from studios in Mombasa and Nairobi but the sw txs are all near the capital. **RN DX 17/9**

WINTER TIME On Sunday 27th Sept many countries in Europe will have reverted to winter time and quite a few of these will be transmitting their entire sw sce one hour later GMT. **RN DX 17/9**

MONACO Trans World Radio, Monte Carlo is operating in East European languages on the following out-of-band fqs:7330 0300-0400,1635-1835;9810 1830-1845;11685 1405-1525. **RCI DX 19/9**

UNITED NATIONS RADIO A monthly EE program called "Radio Club" is broadcast 1900-1930 Mon-Fri on 21710,15410,15305.UN calling Asia is now at 0915-0945(Sat) on 9350LSB, 9565,15250. **RCI DX 19/9**

INDIA All India Radio will soon start an English programme for North America reports Alok das Gupta. **RCI DX 19/9**

PORTUGAL Radio Renascenca, the Roman Catholic radio station, has reverted to the use of 11775 instead of 11745 for PP to Europe from 1830-2030. **BBC MS 17/9**

TURKEY The Voice of Turkey's broadcast in RR 1130-1145 and Standard Chinese 1145-1200, are now broadcast on 15120 instead of 15390. **BBC MS 17/9**

USSR., The Voice of Yerevan has started a Armenian by radio course, GMT Fridays around 0345 on 17870. **RCI SWLD 26/9**

CANADA The CBC Northern service is now using 50kw txs allowing RCI to use 250kw on almost all fqs. **RCI SWLD 26/9**

PUBLICATION Review of International Broadcasting has a new address:P.O.Box 6287, Knoxville, Tennessee 37914. USA. **RN DX 24/9**

USSR (Domestic Sce) Alma Ata, Kazakh Telegraph Agency(Kaztag):13810,9090,7565kHz. 0730-0830 News dictation in Kazakh(Mon. Wed.Fri),0845-0930 News dictation in RR (Mon.Wed.Fri). **BBC MS 24/9**

BRAZIL Radio Difusora, Jatai has 23kw on 4935 replacing 2470. **RCI SWLD 3/10**

PORTUGAL Radio Portugal is heard in EE at 1800 on new 15225. **RCI SWLD 3/10**

INDONESIA A new type of RRI id has come to our notice lately.Between the 'RRI' and the location is added either (Stasiun) **Regional Satu**, or **Regional Dua**. **DUDXC No. 17/1981**

LEAGUE LADDERS

12 FM BAND - frequency usage - SOUTH PACIFIC

| mhz | cntry | station/location | pwr | mhz | cntry | station/location | pwr |
|---|-------|----------------------------|------|---|-------|-------------------------------|-------|
| 90.2 | NC | FR3 Noumea (Mont Coffyn) | - | 100.74, 100.75, 100.76, 100.77 = Australian TV channel 4 audio frequencies. | | | |
| 90.6 | FIJ | Radio Fiji, Suva | - | 101.9 | AU | 1ABC Canberra (ABC net) | 50 |
| 91.0 | CI | ZK1ZD Rarotonga (repeater) | - | | AU | 3FOX Melbourne (comm) | 10 |
| 91.3 ? | CI | ZK1ZD Rarotonga (repeater) | - | 102.1 | AU | 4ZZZ Brisbane (PBS) | 6 |
| 91.70, 91.73, 91.74, 91.75, 91.76 = Australian TV channel 3 audio frequencies. Best is 91.75 NBN3 | | | | | AU | 8CCC Alice Springs | 0.125 |
| 92.1 | AU | 5ABC Adelaide (ABC key) | 10 | 102.5 | AU | 2MBS Sydney (PBS) | 10 |
| | AU | 7CAE Hobart (PBS) | 1 | 102.7 | AU | 3RRR Melbourne (PBS) | 10 |
| | AU | 6UVS Perth (PBS) | 5 | | AU | 4DDB Toowoomba (PBS) | 2 |
| 92.3 | AU | 2ARM Armidale (PBS) | 0.1 | 103.2 | AU | 2CBA Sydney (PBS) | 5 |
| | AU | 2MCE Bathurst (PBS) | 1 | 103.3 | CI | ZK1ZD Rarotonga (key station) | - |
| | AU | 3EON Melbourne (comm) | 10 | | AU | 4MBS Brisbane (PBS) | 2 |
| 92.5 | AU | 2NCR Lismore (PBS) | 3 | | AU | 7HFC Hobart (PBS) | 1.5 |
| 92.9 | AU | 2ABC Sydney (ABC net) | 50 | 103.5 | AU | 3GCR Churchill (PBS) | 0.1 |
| | AU | 5EBI Adelaide (PBS) | 4 | 103.7 | AU | 2NUR Newcastle (PBS) | 3 |
| | AU | 6NEW Newman (PBS) | 0.25 | 104.1 | AU | 5ABC Mount Gambier (ABC net) | 150 |
| 93.3 | AU | 6ABC Bunbury (ABC net) | 60 | | AU | 4MMM Brisbane (comm) | 6 |
| | AU | 7ABC Launceston (ABC net) | 120 | | AU | 2DAY Sydney (comm) | 35 |
| 93.4 | NI | VL2NI Norfolk Island | - | | AU | 8TOP Darwin (PBS) | 10 |
| 93.7 | AU | 3MBS Melbourne (PBS) | 4 | 104.9 | AU | 2MMM Sydney (comm) | 35 |
| | AU | 5MMM Adelaide (PBS) | 4 | 105.3 | AU | 3ABC Ballarat (ABC net) | 50 |
| 93.9 | AU | 7ABC Hobart (ABC net) | 15 | 105.7 | AU | 2JJJ Sydney (ABC rock music) | 10 |
| 95.5 | NC | FR3 Ouaco (Tsiba) | - | | AU | 3ABC Melbourne (ABC net) | 50 |
| 95.8 | NC | FR3 Touho (Popoméou) | - | 106.1 | AU | 2ABC Newcastle (ABC net) | 25 |
| 96.1 | AU | 6NOW Perth (comm) | 10 | | AU | 4ABC Brisbane (ABC net) | 50 |
| 96.4 | NC | FR3 Mont Do | - | 107.5 | AU | 2SER Sydney (PBS) | 4 |
| 96.8 | NC | FR3 Kone (Kaféaté) | - | | AU | 5SSA Adelaide (comm) | 5 |
| 97.5 | AU | 6ABC Perth (ABC net) | 50 | 107.7 | AU | 3PBS Melbourne (PBS) | 0.2 |
| 99.0 | NC | FR3 Aoupinie | - | 107.74, 107.75 = Australian TV channel 5 audio frequencies. | | | |
| 99.3 | NC | FR3 Noumea (Sémaphore) | - | 107.9 | AU | 2REM Albury (PBS) | 0.3 |

KEY (underlined stations have been heard in NZ)
 mHz frequencies in megahertz
 cntry country of origin = AU Australia, CI Cook Islands, FIJ Fiji, NC New Caledonia, NI Norfolk Island
 pwr estimated radiated power in kilowatts; either omnidirectional or in direction of maximum radiation
 ABC key, ABC net Australian Broadcasting Commission national network (mainly classical music)
 PBS public broadcasting station comm commercial station FR3 France Regions Trois (New Caledonia)
 CREDITS Compiled by Bryan Clark using information supplied by Australian Government sources correct to 30 June 1981, France Regions Trois, Fiji Broadcasting Commission and Jack Searle.

more NEWS

TAHITI Adventist World Radio transmit over Papeete 11825/15170 every Sunday 0445-0500. Three special CSEs have already been issued to confirm reception. -DSWCI

AUSTRALIA New pirate broadcaster Radio CBN transmits on irregular dates but at the following times and/or frequencies: 1000 or 3000 GMT on 7350, 7400, 3965 or

13000 Mhz; also 107.9 Mhz EL. Reports to CBN, 1 Browns Lane, North Sydney, NSW 2060. -FRENK

UNITED STATES WRNO New Orleans, the new shortwave licensee, expected on air October. Tentative schedule: 1830-2100 15420; 2100-2300 11890; 2300-0200 11965; 0200-0700 6115. WRNO-SW will relay WRNO-FM weekends and for 12 hours weekdays- other times separate 'international' programming. -ASWLC

| DIVISION | JUN | SEP | INC | GNT |
|-------------------------------|-------|--------|-----|-----|
| GOLD STAR (1250+) | | | | |
| Arthur Cushen | 2497 | 2512 | 15 | 145 |
| Keith Robinson | 2376 | - | - | 116 |
| Ray Crawford | 1614 | 1622 | 8 | 167 |
| Laurie Boyer | 1453 | (1504) | 51 | 108 |
| GOLD ACE (1001-1250) | | | | |
| Eric McIntosh | 1152 | (1160) | 8 | 90 |
| Robin Chambers | 1036 | (1040) | 4 | 123 |
| SILVER ACE (751-1000) | | | | |
| Dene Lynneberg | 879 | (905) | 6 | 104 |
| Chris Martin | 771 | 799 | ? | 154 |
| ACE (501-750) | | | | |
| David Ricquish | 681 | 690 | 9 | 56 |
| Bryan Clark | 546 | 557 | 11 | 98 |
| + Barry Williams | 607 | - | - | 71 |
| Harold Looker | - | 553 | - | 28 |
| + Hank Wilkinson | 524 | - | - | 79 |
| SENIOR (301-500) | | | | |
| Ian Cattermole | 481 | 482 | 1 | 28 |
| + Paul Ormandy | 434 | - | - | 63 |
| Lance Johnston | (389) | 391 | 2 | 32 |
| John Campbell | 383 | (389) | 6 | 113 |
| Stuart Forsyth | 306 | 309 | 3 | 20 |
| INTERMEDIATE (151-300) | | | | |
| Alan Gilmour | 272 | 281 | 9 | 40 |
| Lindsay Robinson | - | 237 | 4 | 25 |
| Paul Rawdon | 193 | 194 | 1 | 28 |
| Jack Searle | 193 | 196 | 3 | 20 |
| Gunter Jacob | 174 | 174 | 0 | 34 |
| Paul Ramsay | (172) | - | - | 6 |
| Peter Jones | 161 | 166 | 5 | 13 |
| JUNIOR (50-150) | | | | |
| + Mike Smith | 136 | - | - | 13 |
| Jim Gorman | 112 | (113) | 1 | 7 |
| Steven Greenyer | 75 | (75) | 0 | 27 |
| Paul Schnell | 55 | 58 | 3 | 6 |
| Andrew Gardner | (53) | 58 | 5 | 4 |

Totals in ()'s means you didn't contribute this time, or you didn't start in June.
 + Means either contribute next time or be deleted.

| DIVISION | JUN | SEP | INC | GNT |
|-------------------------------|--------|--------|-----|-------|
| GOLD STAR (1250+) | | | | |
| Arthur Cushen | 5107 | 5170 | 63 | 245 |
| Dene Lynneberg | 2446 | (2466) | 20 | 220 |
| Barry Williams | 2222 | - | - | 224 + |
| Ray Crawford | 1757 | 1759 | 2 | 175 |
| John Mainland | 1647 | (1663) | 16 | 210 |
| John Durham | - | 1643 | - | 198 |
| Ian Cattermole | 1523 | 1548 | 25 | 142 |
| Bill Huddleston | (1459) | 1480 | 21 | 152 |
| Bryan Clark | 1369 | 1377 | 8 | 211 |
| Gunter Jacob | 1360 | 1367 | 7 | 132 |
| GOLD ACE (1001-1250) | | | | |
| Jack Searle | 1144 | 1174 | 30 | 141 |
| SILVER ACE (751-1000) | | | | |
| Paul Ormandy | 896 | - | - | 163 + |
| John Campbell | 879 | (906) | 27 | 228 |
| Lindsay Robinson | 813 | 827 | 14 | 121 |
| Peter Jones | 783 | 814 | 31 | 127 |
| ACE (501-750) | | | | |
| Eric McIntosh | 690 | (692) | 2 | 119 |
| Laurie Boyer | 684 | (704) | 20 | 118 |
| Jim Gorman | 595 | 596 | 1 | 81 |
| Paul Rawdon | 591 | 604 | 13 | 141 |
| Alan Gilmour | 546 | 583 | 37 | 118 |
| Cecil Symmes | 543 | (547) | 4 | 114 |
| SENIOR (301-500) | | | | |
| Steven Greenyer | 490 | (496) | 6 | 142 |
| Lance Johnston | - | 466 | - | 84 |
| Bill Jolly | 383 | 393 | 10 | 79 |
| Mike Smith | 353 | - | - | 76 + |
| Jack Farrow | 345 | 352 | 7 | 57 |
| INTERMEDIATE (151-300) | | | | |
| Stuart Forsyth | 200 | 200 | 0 | 67 |
| Ian Wells | 169 | 172 | 3 | 65 |
| JUNIOR (50-150) | | | | |
| Michael Williams | 144 | (152) | 8 | 44 |
| Ron Bower | 136 | 251 | 121 | 57 |
| Arthur deMaine | 130 | 133 | 3 | 59 |
| Les Boyd | 110 | 118 | 8 | 41 |
| Paul Schnell | 83 | 88 | 5 | 47 |
| Frank Crow | 77 | 96 | 19 | 24 |
| Bill Mannix | 60 | 62 | 2 | 51 |
| Nicholas Pacey | 54 | 100 | 46 | 62 |

Jack, I am still writing. It's going to be a long letter at this rate. Many thanks for the letter Frank, will write. Sorry Ray, you're totals have gone "walkies", will find and submit to Chief Ed. for publishing. A big welcome to Harold Looker who appears for the first time, and welcome back to Lance Johnston and John Durham. Andrew...you are in the proper column now

73's Stuart

With university all but over, I find so are my chances of hearing those elusive latins, with which others seem to have better luck! A ± by your name indicates deletion if updated totals are not received for next time and by the Pacific totals, shows AFAM Antarctica has been verified.

| BROADCAST | A/NZ | Pac | S.Am | C.Am | E.Am | EUR | AFR | Asia | Cnt | Total |
|----------------------|------|-----|------|------|------|-----|-----|------|-----|-------|
| Arthur Cushen | 607 | 115 | 27 | 68 | 1066 | 155 | 29 | 447 | 152 | 2512 |
| Keith Robinson + | 620 | 93 | 26 | 66 | 1177 | 110 | 8 | 272 | 118 | 2372 |
| Ray Crawford | 569 | 97 | 72 | 56 | 317 | 114 | 41 | 359 | 167 | 1627 |
| Laurie Boyer | 399 | 54 | 6 | 25 | 718 | 111 | 27 | 173 | ? | 1513 |
| Chris Martin (Aus) | 174 | 59 | 11 | 45 | 232 | 76 | 40 | 142 | 154 | 779 |
| David Ricquish | 345 | 82 | 5 | 12 | 192 | 6 | - | 48 | 56 | 690 |
| Bryan Clark | 154 | 64 | 38 | 41 | 174 | 26 | 5 | 42 | 96 | 557 |
| Hank Wilkinson (USA) | 92 | 46 | 79 | 110 | 52 | 14 | 2 | 130 | 79 | 525 |
| Mike Smith | 92 | 25 | 2 | 9 | 120 | 5 | 2 | 18 | 46 | 273 |
| Stuart Forsyth | 257 | 28 | 1 | 4 | 28 | - | - | 1 | 20 | 318 |
| Gunter Jacob (FRG) | - | - | - | - | 6 | 162 | 4 | 2 | 34 | 174 |

| SHORTWAVE | A/NZ | Pac | S.Am | C.Am | E.Am | EUR | AFR | Asia | Cnt | Total |
|--------------------|------|-------|------|------|------|------|------|------|-----|-------|
| Arthur Cushen | 305 | 385++ | 466 | 235 | 356 | 1824 | 1072 | 525 | 270 | 5170 |
| Ray Crawford | 114 | 67+ | 203 | 81 | 121 | 671 | 138 | 370 | 175 | 1765 |
| John Mainland | 32 | 54 | 90 | 75 | 137 | 721 | 247 | 315 | 210 | 1671 |
| Gunter Jacob (FRG) | 140 | 9 | 123 | 36 | 83 | 583 | 150 | 243 | 132 | 1367 |
| Peter Jones | 45 | 30 | 36 | 22 | 55 | 455 | 62 | 107 | 127 | 814 |
| Laurie Boyer | 103 | 70 | 60 | ? | 97 | 241 | 75 | 116 | ? | 763 |
| Bill Jolly | 49 | 13 | 19 | 5 | 20 | 139 | 16 | 112 | 79 | 393 |
| Leigh Morris | 13 | 16 | 26 | 27 | 19 | 129 | 49 | 106 | 139 | 367 |
| Brian Gall | 8 | 16 | 12 | 12 | 20 | 112 | 26 | 82 | 111 | 288 |
| Stuart Forsyth | 21 | 7 | 14 | 4 | 12 | 102 | 14 | 28 | 67 | 202 |
| Ian Wells | 11 | 13 | 13 | 10 | 17 | 61 | 4 | 43 | 65 | 172 |

Now for members' most exotic QSLs from the South American continent:

On Broadcast - Bryan Clark OAK1L Radio Impemo 1490 1kw;
Chris Martin Onda Popular (Peru) 1040 10kw.

On Shortwave - Bryan Clark ZFA6 Paraguay 6015 3kw;
John Mainland French Guyana (Cayenne) 4972;
Peter Jones RadioFonicoas Populares 3985 1kw (Ecuador);
Brian Gall SKS Surinam 4850;
Bill Jolly KSM 26020 100w;
Ian Wells Radio Luz y Vida Ecuador 4826 2kw;
Philip Hamlin Radio Carve 6155 Uruguay.

Muchas gracias to all señores who contributed. Featured area for next time is the MIDDLE EAST - ASIA so lets see what treasures you have from this area.

SCANDINAVIANS SEARCH FOR SIGNALS with the 1981 Finnish and Scandinavian DX Champion-ship over the period 2 - 4 October. DXers in Europe spent most of the weekend searching for signals from stations around the world on both mediumwave and shortwave in a 4 part series of program blocks. The organisers reported that by 18 September only 25% of stations approached to take part had replied. Contest that year included mediumwave stations for the first time, and a special Music Log so that contestants only had to hear one of a list of popular songs from a listed station to have a valid logging. New Zealand DXers Ralph Sutton and Tony King assisted the organisers by logging and taping target stations in this part of the world at specific contest times so that reports from European DXers could be compared with the actual broadcasts. Stations logged included Radio New Zealand 15485, Tahiti 6155, Kuching 4950, Port Moresby 3925, Singapore 5010 and Indonesia 11790. Ralph Sutton

When I moved to Niue to work about 2 years ago, I found that there was no television, a small newspaper was produced once a week and the local radio station was on air for only a few hours each day - and not at all on Sundays. So, I decided to take up shortwave listening. I wanted to keep up with developments in other countries and also some entertainment during the long evening hours of darkness in the tropics.

The island of Niue is located about 19°S and 169°W. It is just south of Samoa and 2500 km NE of Auckland, New Zealand, and is a raised coral atoll some 21 km long and 18 km wide. I live near the main village of Alofi, on top of the old atoll (56 m above sea level) and this is one of the better locations for radio reception on the island.

On arrival I found that my Sony ICF-8000 gave reasonable reception with a short antenna tied up to a handy tree. However, after a few months I decided to invest in a National Panasonic DR 45 which visiting friends were able to get for me duty free in Auckland. The price landed in Niue (including customs duty) was about NZ\$500. This set is more than adequate for my needs and is useful for DX, being easy to tune and with good audio. However, spurious signal rejection is not the best and reception in SSB mode is fair. The BFO pitch is variable. I consider the set is good value for money.

The set is connected to 2 horizontal wire antennae 7 m above the ground; 1 runs for 30 m towards the SE and the other for 20 m to the SW. Between the lead in wires and the set I have installed a knife switch which allows the aerials to be grounded during the tropical thunderstorms that we get up here. We are lucky to live in a fairly large clearing in the forest and so far the support poles have survived 2 near hurricanes - but not the rather hungry local borer!

The local radio station, "Sunshine Radio" ZK2ZN broadcasts on 837 khz with a power of 250 watts and the transmission hours were listed in the August "Times". However, the exact times do depend on whether the announcer sleeps in and whether the rather ancient equipment is in working order. Other "local" stations that can be heard easily on mediumwave and shortwave include those in American and Western Samoa, Tonga, Fiji, Vanuatu, Solomon Islands and New Caledonia. Although it is relatively close, reception from Rarotonga is usually bad. Stations in Hawaii and Los Angeles do come in clearly on particular evenings. Many East Coast Australia stations can be heard clearly on mediumwave. Radio New Zealand can usually be heard satisfactorily, but is nowhere near as strong as Radio Australia.

From time to time I also listen to a number of utility stations such as WVVH which as well as having time signals, broadcasts weather information each hour. This is especially useful during the hurricane season when information from local ZK2ZN is often limited. Also information on ship and aircraft movements can be obtained from 2182 khz and 13304 khz respectively. There is 1 ship a month from New Zealand to Niue, and its arrival is an important local event.

I found a number of books to be especially useful to me in getting into shortwave listening and DXing. The WVVH was of course, the best overall reference and as well as frequency listings I found Listen to the World to be most helpful, in particular the tests of available radios. The World DX Guide edited by Jens Frost I also found to be a wideranging reference. The Confidential Frequency List by Oliver Ferrell was helpful in tracking down utility stations. Material prepared by Radio Netherlands is useful, as is their Media program. I find the "NZ DX Times" contains much up to date information on frequencies but would welcome a few more articles, and reviews of available equipment. The other resource which has been of help to me taking up this hobby, is the tape "Sounds of Shortwave" by Robert Grove. It explains many of the unusual sounds I have heard and also gives hints on selecting and setting up equipment.

BROADCAST DX

por el personal necesario

This month sees our arrangements for tying the Broadcast pages thrown into some confusion by the late arrival of members notes, caused by the closure of Wellington airport. With several of the typists involved in other activities the production of these pages must be planned ahead. It does cause a problem for us when the schedule is upset, however we always make it in the end.

We have reprinted two items from the IRCA magazine "DX Monitor" concerning the use of 9khz spacing. With the quest for additional channels in the States and the possible rejection of decreased spacing, we may well be looking at an increase in the Broadcast band in the USA. In the articles, the point is made that Cuba has decided to accept 9khz spacing and one could imagine the problems that could arise if these two countries cannot reach a solution to the channel allocation problem. And, the problem could be compounded by the plans of Cuba to increase its broadcasting networks. Already, WIOD Miami operating on the regional channel of 610 khz has been granted a temporary power increase to 10kw to overcome Cuban interference according to an item in October "DX Post". A feature on Cuban broadcasting developments is scheduled to appear on these pages shortly.

PACIFIC NEWS

New Zealand 594 BCNZ testing near Taihape
1586 BCNZ testing near Levin
1431 4XD Dunedin new schedule
Credits: Mon-Sat 0600-1100 GMT,
AC and DL Sun 2100-0200 GMT
1530 2YP New Plymouth on air
16 October. 24hr NSP relay
National Program

Australia 3CR Melbourne applies for power
increase, 3MM Horsham schedule
now Mon-Sat 1900-1500, Sun 2000-1400, 8DN
Darwin now 24hrs NSP on 1242, 2XX Canberra
plans power inc and extended schedule. Filed
are applications for new commercial stations
in Esperance and Carnarvon, West Australia.

Tuvalu on 580 khz now 5kw, with hours of
1830-1930 and 0430-0630 and plans
to extend schedule when staff available. New
transmitter has had problems, and antenna is
being improved.

Guam KUAM 610 advises it still operates with
10kw, and reports indicate improved
reception throughout South Pacific in recent
months.
Credit: DX Post

Hawaii Alan Roycroft advises that FCC granted
CP for new Honolulu station, 1310 khz
but only 500 watts. Applicant has appealed for
higher power, but FCC claim that interference
to their monitoring operations at Waipahu have
reached a level where further field intensities
from Honolulu will be disastrous.
David Ricquish

Hawaii KAIM 870 has new 50kw trans-
mitter in place, and tower
is up on new site. Neighboring sub-
division is not proceeding so Billy
Graham Crusade/KAIM will have to pay
\$1/2 million to bring in 12KV power
line. When new transmitter is on air,
it is expected that KNUI 900 will
suffer severe interference along the
western coast of Molokai forcing yet
another frequency change for KNUI.

KHLO 850 Hilo is expected to go 5kw
this month, but as at September the
construction of the transmitter
building had not commenced.

KIVM 1350 Lihue is likely to be sold
soon and new owner plans to move to
a longer wavelength as soon as poss-
ible to improve coverage.

KISA 1540 Honolulu may have to leave
the air for nonpayment of bills, and
since extension of nighttime hours
has been receiving more DX reports.
Credit: DX Post and David Ricquish

NORTH AMERICAN NEWS

750 KPOD Anchorage now 50/50kw nonD.
WSB Atlanta now C/W music
1250 KKFX Seattle ex KYAC
1430 CJCL Toronto ex CKFH
1540 KJZZ Bellevue ex KZAM
1590 KLVV San Jose asks for KSAX

DX Post, MRC

BROADCAST DX

MAILBAG

DAVID RICQUISH, WELLINGTON, has logs of
2XK 2XO 2XS 2ZE and veries from 2XK 2XO
KGTL 620 KTWO (state 31) FIJI 558 639 778
1206 and Noumea 666.

ARTHUR CUSHEN, INVERCARGILL has verified
2XO 2XK and Multan 1035. No reports?

RAY CRAWFORD, QUEENSLAND, AUSTRALIA with
logs of JOQR 1134 JOQM 1449 JORR 738 2XO
46C and veries in from 1YX-YK VOA Poro
1143 Radio Record 1000 (country 168), nice
to see the Brazilian back after so long.

BRYAN CLARK, AUCKLAND has a QSL from 2XK
and reports out to HJKN 1280 CMKB 670 1ZK
HJAE 920 KGNS 620 KDIA 1310 La Cronica
1320 WOC 1420 CFGO CJCL 1430 CFOR 1570
KVAN 1550 heard at Pauanui. Canadians all
heard 25/9. Thanks for trail.

ANDREW GARDNER, WELLINGTON has reports to
2XA 2XK 2YB 2KY 4TO KHVH and veries from
2BY 4ZB 4YA 7NT KHVH.

MARK NICHOLLS, QUEENSTOWN has logs from
Tiwai of VOA Thailand 1575 KSSK KKUA 7AD
7SD 3NE 4TO 3MA...all you have to do now
is write them all.

LINDSAY ROBINSON, INVERCARGILL logs of 2XO
2XK 2ZB and a QSL from 2XO. Ta.

Laurie Boyer, INVERCARGILL has logs of 2XO
WRUF Oman 702 and veries from Yemen 1188
WRUF KIKI KKUA 4YA 1ZB 1YA. Ta.

MICHAEL SMITH, OPUNAKE reports Ethiopia
855 KNOM 780 CIOK Reunion 729 (excellent!)
with veries 2XK Solomons 945 KHEI JOAB 2AP
540. A good month..thanks for trail.

FAUL SCHNELL, PALMERSTON NORTH with logs
of 1ZU and veries from 2XS and 3ZM. Ta.

BRIAN WEBB, UPPER HUTT has reports to 2GZ
and 3MM with veries from 2GZ 2XK (ppc and
full detail letter) 2XO 2YB 3MM.

LYALL MATHIESON, MORRINSVILLE has logs 2TM
2ST 2UE 2LM 4TP 4BH 4WK and veries from 2ZE
3ZC and 4BH. Wainuiomata should be on air
again.

HANK WILKINSON, OREGON, USA has one verie in
from 4QR. Cannot understand your difficulty
with QSLing Tahiti 738 as they always reply
within a few weeks with airmail QSL card
even for reports in EE. Maybe your report is
missing in mails? Good luck..bon chance!

DEXTER POWLEY, DUNEDIN has just the one QSL
from 2XO. Always grateful for news, ta.

ANDREW BOOTH, DARFIELD reports a poor
month with only WVUV out and veries in
from 3XY 2ZG and KHVH. Ta.

CHRIS MARTIN, SYDNEY, AUSTRALIA reports
out to JOIB 747 Brunei 675 7FG Czech-
oslovakia 1521 Jordan 801 Abu Dhabi 729
Vienna 1476 Cyprus 1233 Batra 1107
Rajkot 1071 Antalaya 891 Morocco 1044
Reunion 729 Masirah 1413 Damman 1440
...a good list. QSLs in from 7FG and
Masirah 1413.

BEST OF THE MONTH

SENIOR Laurie Boyer, WRUF Gainesville
Florida, 850 khz 5kw 133 points

JUNIOR Andrew Gardner, KHVH Honolulu,
Hawaii, 990 khz 5kw 98 points

NEW STATIONS

Botswana A Zimbabwe Broadcasting Corp.
newscast on 12/9 stated that the VOA
is now operating a 50kw transmitter in
Botswana. Broadcasts commenced 13/9 and
are beamed to South Africa and nearby
nations with a schedule 0300-0430 and
1730-2200 on 621 khz

India AIR quoted Information and Broad-
casting Minister telling Parliament on
7/9 that a 1000kw transmitter will be
located at Nagpur in Central India. The
Geneva Plan shows frequency as likely
to be 1566 khz

BBC MS

International Waters Radio Caroline was
due on air 1/9 from MV Imagine near 582
khz with 50kw transmitter and 24hr NSP.
SCDX

PACIFIC NEWS CONTINUED Australia

2BE Bega plans a translator at Narooma,
4EB Brisbane inc power to 2kw by 1983,
4RO Rockhampton inc power to 5kw by 12/
31, 4VL Charleville wants translator at
Gunnahulla, 2XL Cooma plans translator
at Jindabyne, 8HA Alice Springs wants a
translator at Tennant Creek, power inc
to 5kw DA planned for 2LM Lismore 2GN
Goulburn 2LF Young and 5SE Mt Gambier,
2DU Dubbo to have 100w translator at
Gobar, 2NM Muswellbrook plans inc to 5
kw DA and change of frequency, 2RE Taree
planning translators. DX Post/Tune In

BROADCAST DX

UNITED STATES NOW OPPOSES 9 KHZ SPACING

The following articles recently appeared in the IRCA "DX Monitor" and show a mounting opposition to the introduction of 9 khz spacing in the United States. From a New Zealand point of view, the debate is of vital interest to medium-wave DXers because of the changes that would take place if the United States and Latin American nations adopt the 9 khz spacing.

"The National Association of Broadcasters have been campaigning against a Government supported plan to reduce AM channel spacing from 10 khz to 9 khz. In a recent speech to the Canadian Broadcasters Association, Canadian Communications Minister Francis Fox asserted "the financial costs and operation disruptions that would result from the conversion to 9 khz outweigh the benefits". At this stage the FCC continues to favor the 9 khz approach as a way of increasing the number of channels available. It plans to push for the change at an upcoming meeting of the Western Hemisphere Region II Radio Conference."

"Senator Barry Goldwater told broadcasters that the proposed change in AM channel spacing to 9 khz "won't work" and added that it didn't have a chance in Congress because the change would mean an abolition of most AM radios. He encouraged broadcasters to contact their Congressmen and Senators to urge their support for S.270 a Senate Bill to deregulate radio, and he predicted the passage of radio and television deregulation as early as Spring. On the 9 khz issue Commissioner Lee said the Commission will review the matter again in June (81) when more evidence will be presented. Commissioner Quello felt it wasn't worth the cost to either the industry or the user and Commissioner Jones agreed, also noting that there has yet to be presented to the FCC a sufficient reason for making the change. Commissioner Washburn felt the belief of more is better was one of the motivating forces behind the change. He felt in this case the assumption was wrong. Commissioner Quello presented statistics showing that existing stations both AM and FM were having problems making a profit and the 9 khz spacing would further compound the problem. Commissioner Lee noted that Cuba had decided to implement the 9 khz spacing while Canada and Mexico had decided not to. Lee proposed a 4 country conference to come to an agreement on 9 khz spacing."

A more recent article appears in the October 1981 issue of "ASWLC" indicating that the FCC has rejected 9 khz spacing but that dissent still exists:

"Jones and Fogarty (FCC Commissioners supporting the 9 khz spacing) stressed their concern for alignment with Regions I and III (Western Hemisphere is Region II), detailing the hazards of audible "whistles" as sunspot activity decreases. The 12 year cycle will be at the lowest point between 1984 and 1988. This interference, which was apparently not a problem during the last sunspot minimum, they admitted, may be a greater problem now because of increased cover being generated by European and African stations. Also, the stations may not have operated during nighttime hours in the U.S.A. The dissenting Commissioners warned that it would not be wise to depend on the operational habits of foreign stations for freedom from interference."

GUYANA STATIONS MERGE

Guyana Broadcasting Service (Government) and Guyana Broadcasting Co (private) have merged to form the Guyana Broadcasting Corporation. Channel 1 is ex Radio Demarara (GBC) on 760 khz with 10kw, and Channel 2 is ex Action Radio (GBS) on 560 khz and 700 khz both with 10kw. Similar changes have taken place with the shortwave outlets and were effective earlier this year.

DSWCI



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MELLOW RADIO 13
 Operating 24 hours daily in the public airwaves serving the interest, convenience, and necessity of the San Diego community.
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BROADCAST TRAIL

- 570 KLAC 0800 AP Radio Nx good thru 2YA splatter.
 - 580 Radio Tuvalo Govt. Anncts shipping & Wx News in EE to S/off 0647.
 - 590 Voz de Cuba 0757 mxd KSSK .
 - 600 KOGO mxd Cuba 0650 \$10,000 promo prize .
 - 610 KFRC promo for "Doctor Don Road Show " 0638
 - 620 KNWS with ABC Nx 0700 over KTAR.
 - 666 Noumea Ex sig 0446 American pops.
 - 670 KBOI fair 0800 NBC Nx ,CMKB Radio Progresso i/d 0500, //690.
 - 700 WLW easy listening Mx 0647 good.
 - 730 CKLG Vancouver Wx 0649 fair over SS clear 0901.
 - 738 Radio Tahiti polynesian rhythms good 0510 fade in 0438.
 - 740 KTRH Mutual News 0530 V/ good.
 - 790 KKON "News just for you " 0904 over KABC .
 - 800 XEROK all SS with advert for Los Angeles 0912.
 PJB w/EE gospel pgm fair 0454.
 - 860 XEMOV/ good SSI/ds "Radio 86" .
 - 870 WWLclear after HJ anthem 0455.
 - 920HJAE Emis. Fuentes i/d anth. off 0500.
 Unid. i/d "Radio 92" Nx Sport 0505.
 - 940 KDEO " Country Radio Club " 0843.
 - 990 KHVH all Nx "Radio 99 " i/ds mxd XET 0716.
 - 1110 KFAB " serenade in the night "0745.
 - 1120 KPNW 0714 V/good MX and requests.
 - 1130 KWKH " Nobody does it better" 0920.
 - 1140 CB114 Chile with Nx 1000 "NOTICIERO 114"
 - 1180 WHAM " 1180 Rochester " Nx 1007
 - 1188 Wallis Island s/off 1000 FFi/d
 - 1200 WOAI talk show Ex 0656.
 - 1230 HJLK Radio Calidad always here
 - 1280 HJKN "adio Musical EEpops 0457.
 - 1310 HJJZ 0528 EE pops i/d as call.
 KDIA local Nx V/good 0849.
 - 1320 Unid U.S. sport quiz Florida callers suspect WVOJ0835.
 Radio la Cronica v/good s/om 0859.
 - 1370 KEEN 0817 " Everybody wants to be a cowboy "
 HJJK " Radio Mundial la Unica en punto/d 0553
 - 1380 KTOM i/ds as "the tall T " CW Mx 0910
 - 1390 KCEY CW Mx 0653 mxd KGER rlg.
 - 1410 Unid SS with Star Spangled Banner 0601
 WUNI " 1400 Country " i/ds 0511-0522
 - 1420 Unid SS anncts 0529 20/9
 Unid Us with Star Spangled Banner 0606
 KCCN " Station Aloha" v/good 0922
 - 1430 Unid Latin s/off 0456 during anthem
 KELI often here 0700 CBSNx
 CJCL " Metro Radio " (ex CKFH) 0725
 - 1440 CFGO v/good 0722
 - 1460 KSO fair with Psa 0533
 - 1480 KYOS POP MUSIC 0858.
 - 1500 XERH " Erray -Archay" i/ds 0510.
 - 1510 WLAC fair sig f/in 0453 .
 - 1530 KGBT f/in 0428 Ex in SS 0507.
 - 1550 KVAN (ex KGAR) CW mx v/good 0912.
 KIGHI 0638 class. mx.
 - 1560 Unid SShere v/good 0447 " R. Sul"i/d
 - 1570 FF here weak 0736 Assumed CKLM.
 CFOR mxd XERF 0744
 - 1600 WOKB dominant 0733 soul mx .
 KCRG fair pops 0717.
- All the above courtesy B. Clark . Heard at Pauanui East with Drake SPR4 plus 550ft NE 750 ft E. longwires .
- OPUNAKE TRAIL.
- 729 Reunion FF pops to s/off 1900
 - 730 CKLG good 0811
 - 780 KNOM News v/good 0900.
 - WBBM News good 0725. 28/9
 - 792 Singapore English s/off 1630 29/9.
 - 850 KOA good 1115.
 - 855 Ethiopia good 1725 12/9 .
 - 1062 2AP 1017
 - 1310 C10K fair to good 0924 16/9
- Thanks to Michael Smith.



1120 **WVUV**
RADIO
 in American Samoa
 It's red hot.

FROM THE BRANCHES

AUCKLAND September meeting saw 21 members present and 4 apologies as well as one prospective new member. Competitions saw Shortwave Over 9 taken by Bill Huddleston with Austria 21690 khz 100kw 98 points; Under 9 to Bryan Clark with Commores 3331 khz 4kw 131 points; and Broadcast also Bryan Clark with Onda Popular, Lima, Peru 1040 khz 10kw 132 points. Business included discussion on the League AGM which will be attended by 2 members from Auckland, and the SPARC proposal. Bryan Clark gave a most interesting talk on listening and DXing in foreign languages, dealing especially with South American DX and Spanish language. **NEXT MEETING** is scheduled for Sunday 29 October, WSRC Clubrooms, 3000 Great North Road, New Lynn, starting at 2 pm. Details from Tom Rushbrooke, Phone 279 8348 evenings 5-6 pm.

CANTERBURY AGM resulted in new President Bruce Lister, Secretary is Mike Smith and Alistair Stewart remains Treasurer. Lance Johnston takes over as Vice President.

NORTH OTAGO AGM was held 17 September and the incoming committee is President Graham Tee, assisted by Vice-President Peter Grenfell, Secretary/Treasurer Doug Walker, Assistant Secretary Ito Tsukigawa, Auditor Peter Grenfell, Dial News Editor Paul Ormandy, LogKeeper and Competitions Secretary Chris Kitto. Committee members also make up the Works Committee. Discussion on meeting nights sees a change to the second Thursday of each month. The September Branch meeting followed with discussion on the remit concerning expansion of the Broadcast Band, and plans to visit Alliance Textiles Mills on the evening of 15 October. Competitions had Peter Grenfell taking Broadcast with 2XR Wanganui 1602 khz 100w and Paul Ormandy the Shortwave with Iceland 12750 khz 7.5kw. Details on **NEXT MEETING** from Doug Walker, 7 Meon Street, Oamaru.

SOUTHLAND Branch meeting attracted 16 members and 3 apologies. Discussion centered on painting of the Tiwai house, the League AGM and those attending. Guest speaker was Mark Nicholls from Queenstown who entertained with slides of Convention 80 Auckland and DXing at Te Araroa on the East Coast. Competitions had Eric McIntosh winning Broadcast BOM with KNIX Phoenix, Arizona, 1580 khz 50kw; Arthur Cushen took Broadcast Rest of the World with Multan, Pakistan, 1035 khz 120kw; and Shortwave Over 9 went to Charlie Chester with Budapest, Hungary 17710 khz 120kw while the Under 9 was taken by Irene Simpson with Radio Dublin 6910 khz 400w. **NEXT MEETING** scheduled for Tuesday 27 October commencing at 7:30 pm with host Steven Greenyer, 17 Totara Street, Invercargill.

WAIKATO, WELLINGTON notes not received. Would each branch please provide a contact person and address which can be published each month in addition to news and notes.

| DAYLIGHT SAVING - SOUTHERN HEMISPHERE 81/82 | | Chile | 11 October 81-13 Mar.82 GMT -3 |
|--|--|--|-----------------------------------|
| Australia | 25 October 1981-6 March 1982 South Australia + 10½ NSW, Victoria, Tas + 11 (other states unchanged) ACT + 11 (NT remains unchanged) | Paraguay | 1 October 81-31 Mar.82 GMT -3 |
| Lord Howe Island | 25 October 1981-6 March 1982 GMT + 11½ | Bryan Clark | |
| New Zealand | 25 October 1981-6 March 1982 GMT + 13 (Chatham Isl. - 13½) | PO Box 2956 Wellington for all your contributions to the "Times", edit- orial, advertising, distribution. PO Box 1313 Invercargill for payment of subscriptions, membership, and Administration Committee. PO Box 3011 Auckland for Competition Awards, Ladder stickers. | |
| Cook Islands | 25 October 1981-6 March 1982 GMT -9½ | | |
| Easter Island | 11 October 1981-13 March 1982 GMT -6 | | |