



NEW ZEALAND DX TIMES

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Some two thousand years ago, the story goes, a bright star guided three wise men from the east to a stable in Bethlehem where a child had just been born. To that child they paid their homage for he, through his teachings, was to influence men of following generations throughout the world.

In these, the closing years of the twentieth century, mankind is putting its own stars into space. Among these are the communications satellites and radio - communications in its widest sense - is the one sure means by which one people, one nation can convey to another its fears, its hopes, its aspirations.

These newer stars, unlike that bright star of long ago, can bring not only "glad tidings of great joy" and act as a unifying force, but, depending upon how they are used can be divisive, putting man against man and nation against nation.

Is it too much to hope that these man-made stars will be used to bring about the peaceful and co-operative development of the world and of relationships between people and people, nation and nation, separated though they be by language, custom and creed?

DXers and SWLs, listening as they do to the voices of the nations of the world, are better placed than most to contribute to a better understanding which can be the only basis for the future of mankind.



Seasons Greetings

NEW ZEALAND RADIO DX LEAGUE	President: A.T.Cushen, M.B.E. Hon.Sec. Mrs.I. Simpson
Competitions, Subscriptions) P.O. Box 1313, INVERCARGILL.	Administration Committee (Membership, Policy,
Editorial: P.O.Box 2958, WELLINGTON (Enquires regarding content & distribution of the 'Times' ONLY. CLOSING: Noon on 1st Monday monthly.	
Stationery: P.O. Box 450, DAMARU.	
Archives: Paul Ramsay, 67 Wharfe Street, DAMARU.	

DEADLINE: NOON - 5/1/1981 - LOGGINGS: VERIES: B.O.M: SW/QSL.

FROM THE BRANCHES

② **AUCKLAND:** Twenty-two members attended the November meeting at which decisions made at the League AGM were discussed. Bryan Marsh gave a talk about his recent trip to Europe and his visit to the BBC Monitoring Station at Caversham. **COMPETITIONS:** SW over 9 - Nicholas Pacey Iceland 12175 7.5 kW. Under 9 Bryan Clark R. Dublin 6315 200 w. MW - Mark Nicholls "WOOD" 1420 10 kW. **NEXT MEETING:** This will be on 25 January 1981. Due to the Christmas holidays there will be no meeting in December though a get-together has been arranged with members of the Western Districts Radio Club on 15 December. Enquiries to Jim Gorman - Tel. 298-5534.

SOUTHLAND: The November meeting was held at Steven Greenyer's with 11 present. Plans were discussed for an evening to help with 'Times' circulation material. The Branch Digest has again been registered as a magazine. The points system was also discussed with ideas for improvement. Steven Greenyer played a tape of North American pirates. The Christmas Meeting is to be at Paul Aronsen's, Girvan Street, Wallacetown at 8 pm on Saturday 13 December. Members' wives are invited. **COMPETITIONS:** Best of Month - Broadcast Ray Crawford CX20 Montevideo, Uruguay 930 5kW. Merit - Mrs. I. Simpson VL2NI Norfolk Island 1566 50 watts. SW Over 9 - A. Cushen R. Liberty Portugal 25690 Under 9 - T. Magen Transkei 3950.

WAIKATO: No report as such but a copy of a Newsletter advises of meetings to be held on 16 November, 6 December and 8 February 1981. Contact David Munn, Tel. 86091 (Bus.) 492.667 (Home) for details. Plans were also on hand for a listening station during the Sport & Recreation Field Days on 22/23 Nov. at Mystery Creek.

WELLINGTON: The Branch Meeting was held on 30 November at the Western Suburbs Citizens' Advice Bureau, Karori. During the day some 13 members, 3 wives and 1 child attended for shorter or longer periods. Two external aerials were erected with Phil Barton's 30 foot mast taking pride of place. Receivers used included the DR22, DR28, FRG 7000, CRF320, ICF2001, ICF6800W. Ralph Sutton brought along his Dymek DA1000 Antenna. A good time was had by those who came along though some disappointment was expressed at the low turn-out from a potential of over 80 members in the area. During the discussion session it was decided to hold Branch meetings alternately on Friday evenings and Sunday afternoons in the hope of encouraging participation by more members. Some doubts were raised about the feasibility of the Branch hosting a Convention in 1982. After some discussion it was agreed that Bruce Williams would initiate a planning based on an Easter meeting and report back to the February meeting at which a final decision will be made. **NEXT MEETINGS:** 8 pm on 30 January 1981 - Ralph Sutton, 21 Rama Crescent, Khandallah (Tel. 799-554). 2 pm on 28 February 1981 - Quartz Hill Radio Station (Tel. Ron Cundy - 792-058).

SUBS. 1981

The following members should renew their subscriptions in January and February next. The amount payable as advised in the Nov. issue is - N.Z. - \$9.50: Aust. & S. Pac. \$13.50: N. Am. & Asia \$16.00: Eur. Af. S. Am. \$17.00.

JANUARY: Baird O.L. Beck W.R. Bordignon T. Brakenrig E.H. Brennan J. Brown P.N. Campbell K.L. Daley E. Dalrymple M. Doull D.J. Goodwin E. Hurring N.M. Jenkin D.V. Lees A. Martin C. Morris P. Officer B.C. Penwill P. Plank M. Price P.B. Reid B. Richards J.L. Scott A.G. Service E.R. Sindall L.B. Trouhovich, U. Tremain J.S. Waterhouse-Brown, B.B.L. Wilkinson, Mr. & Mrs. M. **FEBRUARY:** Akersten J.G. Anderson J.G. Barton K. Barton P.L. Bennetts R.W. Brooks A.W.D. Burgess B. Burke M.L. Campbell H.D. Carter E. Cattermole I.L. Chester C. Cole M. Cook D. Crow F.M. Durham J. Farrow J. Fitzgerald R. Fitzmaurice J.M. Fokker M.J. Fowler H. McK. Gibbs B. Henry N. Hollands V.L. Holling, E. Jamieson, Dr. S. Jones P.A. Knox R.D. Larking S. McKenzie D.A. Masey G.K. McCaughey D. McKenzie R.A. Mathieson L. May Mrs. T.B. Moore J.E. O'Brien D. Pitcaithly P. Pope J.J. Renton R.A. Rushbrooke T.A. Scott T.C. Seabrook W.H. Smith H.R. Suto S. Tucker R.W. Varcoe E.E. Waters E.L. Weatherley H.E. (D'SEAS MEMBERS UNDERLINED)

BROADCAST DX POR EL PERSONAL NECESARIO

③

After a fairly quiet month it is to be hoped that conditions improve and that members have an enjoyable holiday period listening to the broadcast band. The news of the month is once again details of short term stations and new stations on the air or due to come on air belonging to Radio New Zealand.

Down in the south, 4ZF Te Anau is to open on 612kHz with a power of 400 watts. The station will relay 4ZA in Invercargill and plans to be on air in December.

In Picton a new station has opened relaying 2ZE Blenheim. It operates on the same frequency as 2ZE with a power of 100 watts. The call sign of the new station, 2ZF.

A station will operate in Hastings for the Scout Jamboree from 1-10 January 1981 on 1566kHz with a power of 200 watts. Operations are for 24 hours a day. No call or address are known as yet.

A pirate station has been heard in Dunedin by Wally Singleton with the call of 4ZF Radio Freedom Dunedin operating on 1305kHz. This was heard on a Saturday at 1030 GMT and was asking for reports to Box 1053, Dunedin.

Ceefer Communications has been granted a warrant again this year to operate at Taupo on 1224kHz with 500 watts. They will operate from December 20 to January 16 24 hours a day. The transmitter will be located at Manuka Road, Taupo. It is hoped that confirmations will be easier to obtain this year as in the past they have been somewhat reluctant to verify.

The Southland Independent Radio station due on the air early next year has been advertising for staff and is to be known as Foveaux Radio. Call will be 4XX and they are to operate on 1224kHz, 24 hours. A site for the transmitter is still to be settled.

As reported last month Radio Fiordland, base in Dunedin are to operate in Te Anau for two weeks beginning December 25th. No details are yet known on what the frequency is likely to be or what hours they will operate. Address in Dunedin is Box 252.

The Kempsey station 2KM on 531kHz has changed call to 2MC (Mid Coast).

Colin Campbell reports that on 13 December a National programme transmitter at Taupo on a frequency to be confirmed. Work is underway at Taupo Broadcasting House to accommodate the studio and transmitter. 1ZA to go full time commercial?

Tnx also to A. Cushen, Tony Magon, Paul Ramsay.

Now a dip into the mailbag;

DEXTER POWLEY, DUNEDIN: has reports of 1XG, Sunshine 1305, 4XQ 1359. A lone verie in from 1XG. 1YB was short term in Auckland for Maori Festival week. Perhaps on again next year.

ALAN GILMOUR, GREYMOUTH: has no veries and a log of KFAX 1100 heard in Fiji. More to come when the tapes are edited.

PAUL SCHNELL, PALMERSTON NORTH: has a lone verie in from 3ZC.

ALEX WELLNER, BONDI, NSW: has reports out to 3SH, 4GY and Vanuatu 1125. QSL's in from 3SH and 4GY.

STUART FORSYTH, DARFIELD: reports out are NIL (who's that) and veries in from 2UH, 2CA, 2NX, 5AA, 6GF, 6WA, 6PH, 7ZL, 7ZR, 2BL, 2XG 1503, DYFX, 3GL and Noumea. See you shortly down this way?

ARTHUR CUSHEN, INVERCARGILL: has reports out to 2CA, 7EX, 3XG 1503, 3DB, 4CD. Veries in from Vatican 1530, 8AL, 1XG 8TC and Fiji 558.

ROBIN CHAMBERS, OFUNAKE: reports out to CFPR, WJRB, 2XF, 1XG, 4XW, 2YZ and Fiji 639. Veries in from 2XF, 1XG, 2YZ, 4XW, CFPR and WSPD.

PAUL RAMSAY, OAMARU: has sent reports out to 2YB, 3XG, 1XG, Fiji 558, 2ZD, 4XD, 2NC, Waitaki. Only a verie in from Waitaki.

JIM GORMAN, PAPAURA: Has one in and out from 1XP.

LINDSAY ROBINSON, INVERCARGILL: has no logs and one in from 2WS.

4 MAILBAG (Continued)

HANK WILKINSON, CALIFORNIA. has a list of two months with veries from 4YC China 846, 1YW, 2ZP, China 855, 2XW, 1XP, 240, P1J1 827, China 756, and 4AT. reports are out to JOHG, JOSE, JOFK, JOHC, JOUK, Tahiti, 4YC, 4ZW, 1ZA, 5AR, KBS 756, China 828 and 1YE. The league does have an Archive section. Thanks for list of verie signers and kind words.

LAURIE BOYER, INVERCARGILL. just returned from overseas where some of the following were logged, KGRB, CJIB, KPRZ KPRJ, KDIG, KTWQ, KYXI, KBLE, KGM1, KPO1, KOF1, KQZE, KQVO, KXLY, CHED, CKUA, CKRD, CQDV, CFCW, CBPH, CJJC, CKLG, CFXA, CQVR, CHRB, CJVB, CHNL, CFJC, CJOI, CPOK, CHQT, CHQR, CBR, CBOH, Eire 612, 1188, Spain 682, Picadilly 1152, BEC 1052, R. City 1548, USSR 1323, Cardiff 1359, Swansea 1170, Spain 639, Plymouth 1152, Spain 684, 739, 954, 916, Belgium 927, Andorra 819, Bophutswana 702, Maraisburg 576, Transkei 602, Mozambique 737, 1007, 873, Botswana 972, Lesotho 891, Bloemfontein, 784, Zambia 819, Mombasa 1080, Pietersburg 1116, S. Africa 1098, Johannesburg 1287, 1116, Madagascar 1557, 1602, and Swaziland 1378. that should boost the total along. Veries in from Eire 612, 1188, R. City 1548, Spain 639, CJJC, CQCY, CHQR, CQVR, CHQT, CJOQ, CJVB, CHNL, CKUA, CJOI, CFXA, CHRB and CBPH. You must have been busy writing reports.

LANCE JOHNSTON, CHRISTCHURCH. has them in from 2YB, 2XP, 1XG, 3YZ, 1ZK, 1XI, 1ZE, 1YK, 3YR, 1YZ, 1ZU, 3YW, 2YW, 3YC, 2YC, 2ZG, 2ZP, 2YM, 2ZW, 2ZH, 4ZA, 4YW, P1J1 558, 3EA, and one report out to VOFA 1575. ta.

RAY CRAWFORD, INVERCARGILL. reports 3XG, China 1377, veries are 2AY, Rajkot 1071, Peking 1476, Monte Carlo Uruguay 930, Santa Barbara 1310, Cuba 600, XERC 790, XECMQ, 1320. good Latins.

MARK NICHOLLS, AUCKLAND. has logged Noumea 666, WVUV, KKIS, KDIA, KGNR, KSL, CQVR, KNUI, KEEN, CPOK, and has QSLed KNIX, WOC, KQBY, KQOM, KPRE, KSTP and KTRH, thanks.

KEITH ROBINSON, KAPUKA. has reported USSR 1251, 4XW, 4XQ, and verified 2DU, Vila, Cuba 600, KARB, 8AL, 2XP, 2GP, 1XG, BEC 1413 and KNIX, good.

SPECIAL As we go to press we note an advice from Ray Crawford that he and Arthur Cushman have obtained verifications of Radio Vemerana, the 'rebel' station in the New Hebrides. Verie signer is Robert J. Schnell, 10 Halmon Ave., Everard Park, S. Australia 5035, who was formerly an announcer at the station. He is happy to confirm reports sent to the above address. We hope to give some further details of the station next month.

TRAIL AM.

- 576 1815 Malaysia good 29/9.
648 1740 Jeddah strong 1/10.
702 1743 Masirah AA EB lessons strong
738 1825 Oman fair.
828 1835 Syria good 1/10.
854 1750 Ethiopia, fair 1/10. RCh.
1107 1810 Batra strong.
1125 1755 Libya good.
1188 1825 Iran Excellent.
1431 1830 Kremlin Bells 29/9.
1530 1730 Thailand fair/good. 1/10

- PM
590 0925 Argentina good 1/10.
690 0720 CBU over KKUA good.
740 0645 KTRH good.
800 0725 CJJC ? Cntry & Western Music then lost to PJB and XEROK. RCh.
860 0700 CQVR good CBC nxs WX, RCh, MN
900 0653 KNUI mixed with CJVI and XEW. MN
940 0700 KPRE strongest signalearly, MN
990 0738 KKIS good over KHVH. MN
1130 0720 KWKH excellent 1/10.
1160 0710 KSL fair but bad het from 2ZM. MN

- 1180 0835 WHAM strong signal. MN
1190 0735 SS here fair. RCh
1310 0830 KDIA mixed but predominant with talkback. MN
1320 0900 KGNR fair with nxs and talkback. MN
1370 0745 WSPD good wx 0747 RCh
0814 CPOK mixed with KEEN, ID as OK Radio. MN
1570 0750 CHLO good 5/10. RCh

Credits. R. Chambers Opunake. M. Nicholls Auckland.

LYALL MATHIESOK, MORRINSVILLE. 1XX, 1XG, 1ZU, 2ZP, 2H, YA, YC, YE, XW, 2B, 2M, 2W, and 2ZC are the veries for this month and the logs are 1YX, 2N, YE, and 1ZE.

ERIC MCINTOSH, INVERCARGILL. has veries in from Monte Carlo 1467, 1YW, 2BE, WG, 4MK, 2CT, 2NX, 1ZN/ZK, 2CY, 1XG, 1YZ, 4WK, 5PI, 5PA, 2CO, 2XG, 1ZO and 2LF. reported are 2NR, 4QY, 4IF, 4NC, 3UZ, 2WG, 2BE, 4CD, 2CT, 1ZN/ZK, 2ZW, Sunshine 1505, 2CY, 5PI, 3AW, 7PG, 2NX, 2DU, 5Pa, 1XG, and Fielding. ta.

MICHAEL SMITH, OPUNAKE. reports DYFX, KNIX, WBBB, 4XD, KRAK, and veries 4XD, and KRAK with a t shirt. lucky you.

BROADCAST DX

BELIZE: Radio Belize was recently heard in the USA on 827kHz.

CHILE: Radio Minería on 1060 is now 10kw

COLOMBIA: La Voz de los Andes on 1390 now operates with 5kw.

DOMINICAN REPUBLIC: Direccion General de Correos y Telecomunicaciones has ordered all stations to ID on the hour and half hour with station name and call.

ECUADOR: Radio huancavilca HCRH2 on 805 has been announcing they will move to 830 in the near future. This is the one reported to these pages last month.

GUATEMALA: TGWC Radio Nacional 'La Voz de Guatemala' is now on 1000 ex 1600 // 640 24 hours. TGMX R. Rumbos 1210 is 5kw 24 hours.

MEXICO: XEMON 1370 Monterrey 10kw new XEUUV 1550 Jalapa, ver. 10kw is new XEGEM 1600 Toluca 2kw is new

NETHERLAND ANTILLES: PJC9 Radio Hoyer on 1500 has a new transmitter of 3kw.

PANAMA: HOL47 Servicio Nacional de Radiodifusion mazuero, Chitre is 24hrs on 770.

PERU: OBX4J 985 Estacion X ex A. Impacto OBX4O 1040 Onda Popular is having transmitter and financial trouble. OCY4D 1060 R. Exitos ex mil sesenta OBX4E 1470 R. Frecuencia ex Inca del Peru.

The President of the inter-American Radio Association quotes the Peruvian president-elect as saying that all radio stations and other media would be returned to their former owners.

VENEZUELA: YVTB 800 R. Exitos ex 980

U.S.A.: Since Larry King has moved to KEX 1190, KYXI 1520 has picked up the new Woodruff-Pacific network all night (or part of the night) talk show COAST TO COAST. Same for KIRO 710.

KASH 1600 changed from raucous T 40 to raucous album rock.

There's a 90 second daily radio series in syndication which is a takeoff on CBS-TV's DALLAS. MALICE is the title and its written only one week before it airs so it can take on current events. It's on 238 stations in USA, Canada and New Zealand.

TNX to IRCA

CHINA: Huangshi RBS, Hubei Province is on 1476, 0900-1500, 0255-0530, 2130-0400. Shaanxi RBS station on 693, 1008, 1521 2130-0620, 0915-1520. BBC-MS

JAPAN: Identifying Japanese commercial stations can sometimes be difficult. Mostly they carry modern music (little traditional music) they also have jingles and as well, recorded commercials and promos usually for three minutes either side of the hour and half hours well as every ten minutes or during programs. The manner of ID varies from station to station as does format. Usuals ID's; JOKR 954 'TBS Radio' JONR 1008 'ABC' jingles JOQR 1134 Bungo Hoso JOLF 1242 Nihon Hoso JOFR 1278 RKB Radio JOUF 1314 JOUF jingles JOSF 1332 Tokai Radio JOIF 1413 KBC

Commercials tend to be of the pre-recorded type and usually include music and a jingle at the end. Time signal on the hour - most popular is 3 short and 1 long tone. Some use 2 short and one long and some only a single tone.

MWN

INDIA: All India Radio has been considering a national network because of the interference from other countries. Proposal is for creation of a network of super power medium wave stations. Included will be a 2MW transmitter at Nagpur and other super power stations at Delhi, Bangalore and Patna. Present high powered station at Calcutta will also be used.

MWN

BEST OF THE MONTH

JUNIOR: MARK NICHOLLS with WOC Davenport, Iowa, USA. 1420kHz. 5kw. 128 points.

SENIOR: RAY CRAWFORD with CX20 Radio Monte Carlo, Montevideo, Uruguay. 930 kHz. 5kw. 158 points.

Congratulations to the winners.



Concluding our condensation of League member Pete Taylor's 11 page report, with an abbreviated trail of 'Foreign DX' heard from China & Hong Kong (HKG), during the Taylor's visit in November/December 1979.

540 DWZT Baguio City audible daytimes in HKG.

549 AFKN Seoul hrd from Peking with nx 1605.

558 Unid EE nx, American accented hrd 1105 from Shanghai.

567 HLKJ //other Koreans 603, 621, 675, 711, 747 daytimes in Shanghai.

630 DWWW dominant in Hong Kong evenings.

693 Bangladesh hrd in Peking & HKG. EE news 1537.

735 Macau only readable in HKG with loop to lessen Chinese QRM.

774 JOUB often hrd in Peking under Wuhan. EE 1350.

846 DWRV Manila weak days HKG, teletalk 0945.

900 Macau barely readable in HKG due Chinese QRM.

1170 HLSR "KBS Magazine" EE to 1027. Jammed 1030.

1190 HLKX with EE religious prgm 0959.

1233 Radio Monte Carlo, Cyprus weak AA disco 1640.

1296 "Allied Broadcasting" station here - company owns DWFR and DWLQ.

1363 Unid lang here in HKG 1415. Maybe Phnom Penh?

1413 BBC Masirah clear, fair in Peking. EE 1720.

1458 FEBC Iba EE gospel 1107. Hrd in China & HKG.

1481 Dubai noted weakly in Peking & HKG 1723, 1505.

1494 DWEE disco, pretty much in the clear.

1521 DYWB here, not 1512 at 0913. Urumchi over at/

1557 DW GO fair with pops 0918. night.

DW Malta relay bombing in, GG nx 1607.

1566 Sfax Tunisia weak 1640, as was Malta by this.

1575 VOA Thailand EE discussion 1245 on top Wenzhou.

1593 NHK synchros in clear at Peking. "English Hour" at 1411, //693, 873.

Our thanks to Pete for producing such a comprehensive review of the DX scene in Africa, Middle East & China.

A recent publication of the IRCA is 'A DXer's TECHNICAL GUIDE'. This fine publication is of 100 pages on receivers, antennas, accessories, reviews of commercial products of interest to the DXer, as well as construction projects and some basic theory. The price is only US\$5.50 and is of most interest to the medium wave DXer.

Of interest to those who DX North American stations will be the second edition of the IRCA ALMANAC which contains network lists (national as well as sports, syndicated programs etc.) station slogan list, AM-FM simulcasters as well as many articles on North American broadcasting. It sells for US\$7.00 overseas and is available from IRCA, P.O. Box 17088, Seattle, Washington 98107.

KNIX 1580 confirmed with handfuls of stickers, letter and maps. Signed by Jan Kowal, Promotions and Publicity.

WOC 1420 confirmed with letter and QSL card signed by Eugene McHenry, Asst. Dir of Engineering.

KSTP 1500 letter and car sticker signed by Norm Paetznick who also advises that they have changed format from music to news, talk and information.

KTRH 740, confirmed with a letter, QSL card and car sticker from Lester Mullan Technical Director.

KCEY 1390 letter and car stickers from Bill Croghan, Chief Engineer.

Mark Nicholls.

HJAR Cartagena 1000kHz Sr. Orlando Figueroa S., Director.

WSZC Truk, 1602kHz, Mr. Dechuo Jain, station manager.

HLCF Pohang, 1035kHz Mr. Jang Hoon Choi, Chief English Service.

HSKV Surat Thani, Thailand, 1215kHz Mr. Ramtone Sakornpan, Chief, Ext. sec.

HLCQ 765kHz Mr. Ham Sub Kim, Engineer.

4AT 720 v/s Mr. P.J. Maguire.

200 1575 v/s Hilton Prideaux, Engineer.

7ZR 936, v/s Ms. Carol Jackson.

Hank Wilkinson

XETRA 690 has switched from beautiful music to T40. ID's as "The Mighty 690"

KHJ 930 and KZLA 1540 have both switched from adult contemporary to country.

KOMA 1520 has gone from country to T40

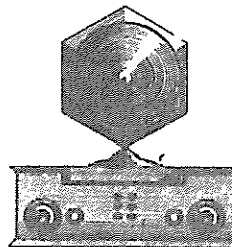
KIQI 1010 has changed to all Spanish from adult contemporary.

KXA 770 has gone fulltime and per rumours changed from classical to oldies.

IRCA.



EQUIPMENT REVIEW from TONY MARR



Last time, you'll remember, we were discussing some of the things to consider in summing up the overall merits of a receiver, and we had been talking about the sensitivity of the receiver. The next most important parameter to consider is the selectivity of the receiver. This is usually expressed in brochures in an appropriate way to deceive the hopeful customer; but what it should be telling you is the width of the receiver passband. This width is expressed to what we call the 3dB points of the passband, or to where the signal level has dropped to half of its original value as you tune off the centre frequency.

If you think about this for a moment, you will see that for serious listening on the shortwave bands we need a fairly sharp or selective receiver as there are channels every 5 kHz and we want to be able to separate these fairly easily. Also these 5 kHz channels are often occupied by signals of very greatly differing levels and we may well want to tune to a very weak signal just alongside a really strong one.

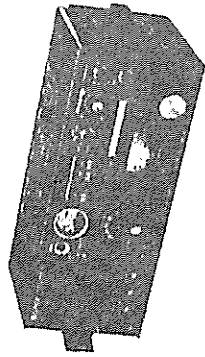
This, of course, makes even greater demands on the receiver so what you should look for is a model with selectivity of, say, 2.4 kHz to the 3 dB points. But this in itself isn't enough so make sure that the selectivity 5 kHz away from the centre frequency is many, many dB down; something in the order of 60dB is a pretty good figure to aim for. This will ensure that you don't have much problem with the stations on the adjacent channels. Of course this narrow selectivity doesn't do a great deal for the hifi quality that you'll get out of the speaker as, in effect, it is cutting off the audio frequencies very rapidly above 2.4 kHz but there is no way that you can have both good quality and good selectivity at the same time. The problem is overcome in many receivers by having the degree of selectivity made switchable, sometimes in several ranges. This allows you to choose the optimum range for the logging you are making and also gives you the added bonus of being able to enjoy listening to the local stations with the wide selectivity giving you good audio reproduction.

There are a number of other aids to selectivity which include crystal filters, which are used to sharpen the response of the receiver, and notch filters which can be tuned across the passband. These notch filters, which are used in both the RF and audio stages of the receiver, can be a very useful aid in tuning out interfering heterodynes or whistles, as they introduce a very deep but very sharp 'hole' in the receiver passband and when this 'hole' is tuned to your troublesome whistle it nulls the whistle out but leaves the rest of the signal which you want unaffected. So the notch filter is well worth having. Also worth having is what is called IF passband tuning which lets you tune across the receiver passband and listen to only a portion of it. This often assists a great deal in eliminating interference.

After selectivity the next most important part of a receiver is probably the AGC or automatic gain control system. Without getting involved in how it actually does it, the idea of the AGC is to level out the variations in the incoming level of the signal which you're listening to so that, hopefully, the audio coming out of the speaker stays at pretty well the same level. This saves you having to crank up the volume control when the signal goes into a deep fade and vice versa - it saves you turning it down as the signal level increases. This means, too, that as you are tuning around the band, listening to many different signals, you shouldn't have to vary your audio gain much. About the best way to check a receiver's performance in this aspect is to listen to it. Some more sophisticated models have different AGC time constants as they call them, meaning that you can alter the response of the AGC circuits according to whether there is fast or slow fading. Nice to have but not really necessary for our normal DXing.

TRICITY HOUSE AND THE SONY CORPORATION ARE PLEASED
TO ANNOUNCE THE RELEASE IN NEW ZEALAND OF THE
SONY COMMUNICATIONS RECEIVERS

8



MODEL ICF 6800W

Features

- FM/MW/SW1-29, 31-band portable receiver. SW covers 1.6-30MHz, including tropical band, SSB (Single Sideband), CW (Continuous Wave), marine and other utility stations.
- Truly wide-range portable receiver.
- SW, MW band frequencies are directly read out to 1kHz accuracy from the built-in digital frequency display.
- PLL (Phase Locked Loop) local oscillator circuits incorporate both crystal-controlled PLL synthesizer and PLL circuits controlled by VFO; 1MHz and 10MHz ranges controlled by crystal with high stability and high accuracy; under 1MHz frequencies depend upon VFO-controlled PLL circuitry.
- Dual conversion superheterodyne circuitry for ultra-sensitive SW reception, used in leading professional communication receivers.
- Crystal is also used in the second local oscillator for accuracy and stability.
- BFO (Beat Frequency Oscillator) circuit for receiving stable and clear CW and SSB signals.
- FET's are fully used in SW front-end for excellent image rejection and rejection of spurious interference.
- A dual-gate MOS FET in the RF amplifier delivers high sensitivity and noise-free reception.
- Balanced mixers using FET's to eliminate annoying spurious interference.
- Four ladder-type ceramic filters in AM IF-stage for excellent selectivity.
- WIDE for near and strong stations and NARROW for distant and weak stations.
- High-quality SW prescaler tunes antenna circuits and picks up the desired signal with high sensitivity.
- AM RF gain for proper RF input adjustment.
- Easy-to-tune drum dial.
- External antenna terminals for better reception including M-type connector for doublet antenna.
- All-eyre drive mechanism for smooth, speedy and precise tuning to 1kHz accuracy without backlash.
- FET in MW mixer circuit for clear reception rejecting interference from close, strong signals.
- MEMO LITE lights up the desk ready for memo-taking even in the dark.

- Separate BASS/TREBLE tone controls for preferred tone quality for more comfortable listening.
- Dial lighting button keeps brightness about 20 seconds; while pushing this button, meter indicates battery life.
- World time zone chart on the top of panel for reference.
- Easy-to-use battery compartment on top of cabinet.
- Front feet adjustable to about 10mm in height for easy operation.
- Voltage selector for AC 110, 120, 220, 240V, DC 6 "D" size batteries.
- Jacks for earphone, recording out, headphone and timer.

Specifications

Frequency range: FM 87.5-108MHz, MW 530-1,605kHz, SW1 1.6-29MHz, SW2 2-30MHz, SW3 3-4MHz, SW4 4-5MHz, SW5 5-8MHz, SW6 6-7MHz, SW7 7-8MHz, SW8 8-9MHz, SW9 9-10MHz, SW10 10-11MHz, SW11 11-12MHz, SW12 12-13MHz, SW13 13-14MHz, SW14 14-15MHz, SW15 15-16MHz, SW16 16-17MHz, SW17 17-18MHz, SW18 18-19MHz, SW19 19-20MHz, SW20 20-21MHz, SW21 21-22MHz, SW22 22-23MHz, SW23 23-24MHz, SW24 24-25MHz, SW25 25-26MHz, SW26 26-27MHz, SW27 27-28MHz, SW28 28-29MHz, SW29 29-30MHz.

Antenna System: FM/SW telescopic antenna, MW built-in ferrite bar antenna, SW external antenna terminal, M-type connector 50-75 ohms.

Speaker: 10cm.

Power Output: 1.3W (max.) 1W (10% THD).

Power Requirements: DC 9V, 6 "D" size batteries, AC 110, 120, 240V, 50/60Hz voltage selector.

Dimensions: 453 (W) x 184 (H) x 227mm (D) (17 1/2 x 7 3/16 x 9 1/4).

Weight: 5.8kg (12lb 13oz) with batteries.

Supplied Accessories: AC power cord, antenna terminal pin.



209 MANCHESTER STREET (0-3) 67-443
P.O. BOX 1410 CHRISTCHURCH



with PAUL RAWDON

9

GREETINGS, summer has arrived again (a statement which I query as I have just come in from a cold, grey and windy day - Ed) and with it another TV & FM season. Already the bands have been active with the reception of ABC National TV Sydney on Australian Channel 2 (N.Z. Channel 3) at 0755 GMT on Monday,

17 November. At my location, Eastbourne fairly strong signals were received and at times in good quality colour. The opening lasted about 30 minutes and during this time a bulletin of local and international news, weather forecast for New South Wales, programme summary and the first few minutes of Sykes were watched before the signals faded out.

For those interested in catching some Trans-Tasman DX, the best times to look are around 0000 GMT and again at 0800 GMT. During these times check the low TV channels as this is where the opening is most likely to occur. There is a slight difference between Australian and New Zealand channel numbers. A brief run down follows:

Australia - Channel 0 =	New Zealand Channel 1
Channel 1 =	Channel 2
Channel 2 =	Channel 3
Channel 3 =	Channel 4

The list is by no means complete as only the low frequency end of the scale is given here.

An interesting observation I have made is that whenever CB Skip from up North is being received in Wellington, the chances are that the TV Channels will be active as well.

Before closing the page this time, thanks to Cecil Symmes for the re-typing. Things are a little awkward this end due to a broken wrist. (Hope that it will knit together soon and not incapacitate you for too long - Ed.)

All the best for the festive season and good DX for next year.

and from Paul Ramsay - A CLOSE LOOK AT FM

As we enter a new decade, no doubt one of the controversial topics will be that of FM radio. Although delegates at the recent National Party Conference voted be a large majority for the introduction of FM radio by private stations, the Minister of Broadcasting has stated that the Government does not intend to allow the introduction of FM radio at present.

A major factor behind that statement is that the Post Office has allocated most of the FM band for two-way radio use. However it is to be cleared by 1982 for broadcasting use.

Although it is estimated that there are 300,000 FM receivers in New Zealand, fewer than half would be capable of obtaining the full benefit of FM (relatively noise-free, high quality stereo) because most of the receivers have only one speaker! Also, for an FM station to be successful, public support would have to be very much greater than it is at present. To emphasise this let us look at an example quoted in 'Electronics Australia'.

Sydney has three FM stations which have a total of 2.4% of the listenership, or 0.8% per station. This is barely enough to make the stations viable. In addition the FM stations have to attract an audience away from MW broadcasters, something not easily done.

At present the demand is not great enough for a hurried beginning to FM and few would be properly equipped.

FIORDLAND

BILL MANNIX, whose QTH is Clifden Ranger Station, Fiordland National Park, would welcome a call from DXers visiting the area. Still wearing your VOA T-Shirt?

bits & pieces[Ⓢ] put together by Cecil Symmes

REGIONAL SHORTWAVE?

In a letter to the Pacific Islands Monthly, Christian Seruzier of Melbourne, makes the point that at the recent South Pacific Forum meeting in Kiribati one of the most important achievements

was the setting up of fresh initiatives to establish a regional news bureau. He goes on to put forward the concept of an international shortwave radio which would provide a major live link between all the countries of the region irrespective of political, economic or cultural differences. It is suggested that Radio Pacific/Radio Pacifique should operate under the authority of the South Pacific Forum, be based in a central position and broadcast in the two most widely spoken languages of the region - English and French. Funding would be by the Forum with, hopefully, help from specialised agencies of the United Nations (e.g. I.T.U.) and contributions from the nations of the region.

Mr. Seruzier accepts that many Pacific nations already have their own radio services and that the international broadcasters provide a 24 hour service to the region. However he makes the point that Radio Pacific/Radio Pacifique would belong to the region, cross the language barrier and promote a united approach to problems specific to the Pacific Region.

CS/TK

jamboree specials

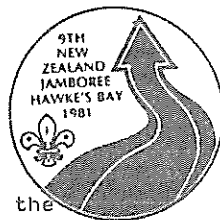
As has been noted in earlier issues a SW Listening Post will be featured at the forthcoming Jamboree - this being the

first time the DX hobby has been demonstrated at a New Zealand Jamboree. Paul Rawdon, who we understand, is to be the Station Manager, will be assisted by Scouters and DX League Members. To create added interest to the DX Post a number of DX Specials have been requested. Paul has given us the following list in the hope that it will also interest fellow League members:

Sat. 030181	1940 GMT	R.Australia	9580 kHz	NOTE: late change: Cancel Fiji One - Now Fiji Two on 711 kHz, same time on Tues. 050181.)
Sun. 040181	0925 GMT	R.Cook Islands	5045 kHz *	
	1000 GMT	R.Japan	11875 & 15325 kHz	
Mon. 050181	0400 GMT	R.Canada International	5960, 11770 & 11845 kHz	
	0915 GMT	VL2NI	1566 kHz	
	0955 GMT	R.Fiji One	550 kHz	- see Note above
	0530 GMT	R.New Zealand	11945 & 15405 kHz *	
Tues 060181	0915 GMT	R.Vanuatu	3945 & 7260 kHz *	
	1015 GMT	R.Samoa	1062 & 1404 kHz *	
Thur 080181	0730 GMT	R.Nederland	9715 & 9770 kHz *	
	0900 GMT	HCJB	9745 kHz	

Note: At the time of writing those marked * have not confirmed the special broadcast.

LETTERS: Ian Cattermole writes that after 27 years service he retires from the RNZAF at Christmas. He has purchased a small tobacconist shop in Blenheim and comments that even if Saturday shopping becomes the rule he'll be able to put in some time DXing. He would welcome calls from members passing through. Market Square Tobacconist or Tel 85629 at home. Hope you have a long and enjoyable retirement, Ian. I haven't forgotten that the L.A. Competition entries are due soon - will put a reminder in next month - and now best wishes from us all. Michael Smith, Opunake, says he has been DXing since 1966 but has had quite a lay-off due to marriage, trade training and so on. Is now getting back to his radio, an Eddystone EC10 which he says some would call out-dated. Uses a 150 wire antenna and misses the antenna farm of his youth. Welcome - but not such a good time to get back to the BC band with all the NZ stations going 24 hours. From John Campbell with some news on US pirates. R.Confusion 2000 GMT on 141280 and 180181 - 13988 kHz +/- 10 kHz. 0130 GMT on 151280 and 190181 - 7550 kHz.



more mail

Carrying on the 'pirate' info from John Campbell, he says that typically past tests have been about 1 1/2 hours. Power is about 125 watts. Also testing SYNCOM 48 on 281280, 040181 and 110181 0000 - 0100 GMT 14752 kHz and 0500 - 0700 GMT 7375 kHz (6265 and 7410 will be used as back-up if 7345 blocked). Address for reports, which are wanted, is: c/o FRC-USA, R.D.2, Box 542, Wescosville, PA 18106. Thanks John and sorry your earlier letter wasn't here in time for November. Tony King has written mentioning that on 061080 in 'New Zealand Calling' Radio New Zealand SW broadcast its first scheduled Japanese programme in 33 years on the air. He goes on to say that the Japanese segment has brought a very warm response. He also tells that from 011280 'NZ Calling' is re-timed and will be broadcast at 0305 and 0915 GMT through to 070381 when it will move to 0405 and 1015 GMT. Hope this will be of interest to our overseas members and thanks, Tony, for the info.

LOG 100 COUNTRIES

Following from Barry Williams article earlier this year Russ Dear of Invercargill has sent us the results of his FIRST year as a DXer. Russ has logged 82 countries and sent reports to 72 of which 51 have verified. Those from which verifications had not been received were Albania, Antarctica, Argentina, Cook Is., Costa Rica, Egypt, Indonesia, Lebanon, Liberia, Lithuania, Malta, Mongolia, New Hebrides/Vanuatu, Pakistan, Sri Lanka and Vietnam. Audience cards from Finland, W.Germany, UKGB. Russ, who says he is not interested in 'competitive' DXing says that he is conscious of the need to give value for money when reporting and where possible sends a batch of reports spanning a month, say, for each frequency. In his first year he used a Toshiba RP2000F with a 15 m. random wire. He now has a Sony ICF6800W and is looking forward to the second year even more than the first. Good luck to you, Russ - and hope you'll change your mind about the 'Ladders' etc. - other members would be interested to know what you are hearing and getting back.

WORLD'S BIGGEST DX CONTEST

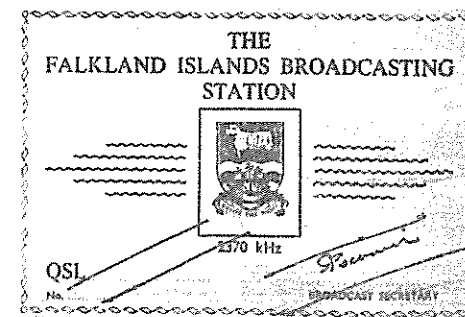
RADIO MONITORS INTERNATIONAL

Two out of Four that is the score of New Zealand DXers in this Contest which started in 1977. In 1978 the winner was Douglas Doull of Auckland and in 1980 the winner again comes from Auckland - BRYAN MARSH - to whom our congratulations. Douglas was again placed this year, coming third overall. The statistics of this competition are quite staggering - several hundred entries, 198 prize winners, 2000 QSL cards issued and so on. So again to both Bryan and Doug - congratulations and a very nice Christmas present. Hope to see your names up there among the winners again next year.

At the right the reproduction of a specimen of one of the more rare QSLs. This was acquired by a League member who attended ANARC 1980 in California. On the reverse the following Schedule is given:

536 kHz and 2370 kHz
 Monday - Friday 2230 - 0200 GMT
 Saturday 2130 - 0200 GMT
 Sunday 2200 - 0100 GMT

536 kHz only
 Monday - Friday 1400 - 1615 GMT
 Saturday 1400 - 1600 GMT





Well December sees another QSL Review and the mailbag is overflowing with excellent veries. But firstly a note about the QSL Review for 1981. In the first part of 1981 the QSL Review will be published in January and March. The highlight this time being the QSL for Radio Dublin received by Bryan Clark. Congrats, Bryan. Now we'll dip into the mailbag and see what we have for you.

ALGERIA: Radiodiffusion Television Algerienne. Plain white card printed in blue with station name & motif in FF & Arabic. Full data QSL but not signed. Received in 3 months by air for EE rpt on Arabic transmission. (Jack Searle, Haumoana.)

CHILE: La Voz de Chile. Full detailed Card for 17800 kHz. Received in 11 months. Card shows colourful view of Santiago. (Peter Jones, Hamilton.)

COSTA RICA: Radio Rhumbo. Cartage. 6075 kHz. Bright colourful logo sticker type card with full details showing 'potato? with shoes playing guitar' (Paul Edwards)

ETHIOPIA: Voice of Revolutionary Ethiopia 7165 kHz. full data plain green card in 14 weeks for 2 IRC's. V/s Yohannes Rupheal, Program Co-ordinator/Audience Relations Department. (Leigh Morris, Palmerston North.)

GUATEMALA: TGMUA Adventist World Radio 5980 kHz. QSL Card with full details in 3 months for EE rpt and 2 IRC's. Same card as shown on P14 August DX Times. (Bryan Clark, Auckland. Nice one Bryan. Still haven't heard it myself. Ed.)

IRELAND: Radio Dublin. 6315 kHz 200 watts with positive verification of my 4/10 tentative reception. QSL letter and station history, schedule & stickers plus personal note from v/s Angela Meier in 4 weeks. (B. Clark.)

RADIO DUBLIN LIMITED

253 METRES MEDIUM WAVE
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Postal Address: RADIO DUBLIN LTD., DUBLIN 8

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INDONESIA: RRI Tanjungkarang 3395 kHz. Friendly letter in EE from v/s Hamdan Syahbeni, Station Manager. Prompt reply for an EE report. RRI-Palembang 4855 kHz. B & W cd showing village scene in Palembang. Received in 2½ years for an Indonesian rpt. (both John Durham, Hamilton. Long wait, Hi! Ed.)

ITALY: RAI 21655 & 21510 kHz. Attractive 'art' cd depicting unclad female reclining 'Venere Dormiente'. Full data of verification typed on reverse and confirmation that I heard commentary of Italy v Czech. football match. Red in 4 months. NB: these 2 freq's used for special sports commentaries only and long sought for here. (more nice work on your part Bryan. Ed.)

KENYA: Voice of Kenya 4915 kHz. National Ser. in Swahili. Aeregram QSL in 22 days for EE rpt and 1 IRC. (J. Searle) Voice of Kenya 4804 kHz. Aeregram verie from Indrajit Kaura. Some freq. changes noted on QSL letter as: 4915//7140; 4885//7240 4804//7125; 4950//7150; 4954//7210. no times given. 4855, 7295, 9665, 11765 seem to have been dropped. (Ray Crawford, Invercargill.)

LAOS: Lao National Radio, Houa Phan. 4658 kHz. verie letter red from v/s Chaleune Veng-Samang, Director General of Lao National Radio. (Ray Crawford.)

LESOTHO: LNBS Maseru 4800 kHz. Verie to hand after 18 months, for East Cape reception, March 1979. Sent written & taped rpt with 2 IRC's of my first morning (NZT) reception. QSL cd depicts Lesotho flag in blue, red, green & white. Station now an easy leg since 100 Kw transmitter inaugurated Sept. 1980. (B. Clark.)

MONGOLIA: Radio Ulan Bator 6385 kHz. Blue postcard sized QSL with blue & gold scrollwork & station emblem cd in 5½ months together with pennant for EE rpt & postcard. Red by air with no v/s. (Mike Smith, Christchurch.)

UGANDA: UBC Soroti 15325 kHz. Full data QSL cd received for EE rpt on EE transmission of March 1979. Reverse side shows UBC studio complex. (Tony Mitchell, Christchurch. Welcome Tony. Sri but your photocopy to large for me to use. Ed.)

USSR: Radio Tashkent 11785 kHz. coloured card showing map of USSR in 6 weeks by air. (Beb Padula, Melbourne, Australia.)

Well that's it one again, more next month in January 1981. Thanks to all those who contributed this time around and to all League members a very merry Xmas.

Sect. Ed. Dene Lynneberg.

Shortwave Mailbag

compiled by

BILL HUDDLESTON of Auckland.

Pride of place must go this month to the verification by Bryan Clark of Radio Dublin. Bryan tells me it was just a oncer, after some weeks of listening. our congratulations on the great effort. The results of the winter DXing are still arriving, with veries from Namibia and Zimbabwi. A further report from John Campbell tells us of the state of DXing in Europe. While from Invercargill we have a first report from B.L. Murray 'Welcome'. Many thanks to all members who sent good wishes, and may you all have a Happy Christmas. First out of a large mail is :-

L.B. Murray Invercargill, using a Kealistic 300, has 4 reports out, and veries back from Peking 17635, Moscow 15130, Nederland 9770, NHK 15195, SBC 9560. many thanks.

Byran Marsh Auckland has been concentrating on Monitor International, with veries back on 6075 9720 11800 15120 15425 17850.

Max Burke Christchurch has QSL's back from Hungary 9835, Norway 21730, Netherlands 21640 Voice of Indonesia 15200, Vietnam 15012, FEN. Japan 6155,

David Hughes Phalmerston North nearly missed the post with veries from R. Guaiba 5965, Bankok 9655, HCJB 26020, Inner Mongolia 3970, RCI 6140, Maldives 4754, Thanks.

Allan Gilmore Greymouth with verifications from RRI Djakarta 15200, RBI 11795, San-Martin Tarapoto 4810 ORF. 21585 15440, LLJ 11860, Nouakchott 4845, Budapest 15220, Kol Israel 15105, BRI 15385, Ibra Malta 9510, best wishes.

L.R. Jackson Christchurch with his 2nd report has QSL's from AIR 11755, Moscow 15130 Cairo 17920, HCJB 26020, DW 11785, GDR 21465, keep up the good work kick.

Barry Williams Auckland with his new Kenwood has veries back from Guangxi PBS 4915, Hunan PBS 4990, AWR Anorra 6220, Dubai 21700, Sierra Leone 5980, Swazi Radio.

H.J. Searle Haumoana lamenting a lack of action, has QSL'back from Peking 9860 RFI 21515 + special sticker, BBC 9587. thanks for note on Afghanistan, will include if space.

Ian Wells Dunedin has QSL's in from R.Guaiba Brazil 5965, BBC Antigua 6195 Tx.

Peter Jones Hamilton fills up the remain space with veries from ELWA 4770, Swazi Music Radio 4980, Seychelles 15200, WYFR 5985, Indonesia 15200, RN Madagascar 25650, Lagos 15185, Nicaragua 5950.

Lindsay Robinson Invercargill was running late with veries in from Buenos Aires 6060, Israel 15582, and 9 reports out.

John Mainland Wellington has a contribution with QSL'S from Brussels 26050, OAX3Q 3330 TX'S

Jim Benzoni makes a 109 country total with verification from ERT 9515, RCI 9560 5960, Mauretania 4845, keep up the good work Jim.

Michael Williams South Australia has been busy with 3 reports out and replies back from RN 9770, AWA 11835, SBC 15305, TWR Guam 11840, New Zealand 11945, HCJB 11900, Cairo 9805, Tashkent 15460, Poland 7285, Austria 15440, RAI 9710, Elcos del Torbes 4980, + pennant. Nice to hear from Australian DXer's.

Cecil Symmes Wellington has recieved his BBC pennant and veries from BBC Antigua 6175 BBC Singapore 3915, BBC UK 7230 21550, Austria 21640, France 17850

Ian Cattermole Blenheim has verifications back from Vienna 17830 21595, HCJB 15240 15355 6070, Moscow 9635 21450 17760, Malaysia 5965, Lisbon 6185, 9765, Bare 4895, El Salvador 9555 Tx.

Bryan Clark Auckland along with his Radio Dublin has veries from Brussels 26050, Jerusalem 21760, Zimbabwi 13307, Vienna 21595, Transkei 3950, RSA 15325, Namibia 4965, PRGN 3326

Shortwave Mailbag

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John Durham Hamilton has Veries back from Madagascar 3288, YSS 9555.

Arthur De Main Auckland after trying out his new ICF 6800w has QSL's from Lebanon 6550, AWR Andorra 6220, RCI 11845, IBRA Malta 9510 Thanks.

Lance Johnston Christchurch has no report out but veries back from Ulan-Bator 12070, Moscow 21490, AIR 15110, Manus 3905, if you do't sent them out they don't come back Lance.

John Campbell England ? has a very interesting list of veries with Bafoussam 4000, Bucaramanga 4845, Mil 4930, Maturin 5040, TIFC 5055, Candip 5066, Caltaniseta 6060, Rumbo 6076, Union 6115, Tahiti 11825, Cultura 17815, Dubai 21500, + European Pirates, Free R.Service Holland 6250, German Music R. 6250, Julie 6260, Vatican (yes) 6288, Casanova 6292, Tigerfeet 6296, Aquanus 6296. Woodstock 7315, W.L.S. 7340, Nova 7373, Stella 7390, and finally, one John is very pleased about American pirate Confusion 14549.2, best wishes for a Happy Christmas over there.

Bill Jolly Kawerau has 3 reports out and veries back from Ibra 21710, RSA 15325. Tx.

Paul Schnell Palmerston North reports no loggings, but the postman brought him QSL's from V.O.Indonesia 15200, SIBC 9545, FEBC 11890, Budapest 9835 SRI 11715.

Alex Wellner New South Wales has reached his 100 countries with Ulan Bator 12170, R. New Ireland. and has sent out 5 reports. Congratulation on reaching that 100 countries, keep it going.

Les Boyd Wanganui has 14 reports out and veries back from Peking 17635, + calender(nice) SRI 15520, RAI 21560, nice to hear from you.

Bill Manix Southland Has 8 reports out Cook Island 5045, Kuwait 21545, Pakistan 21590, good luck with those new countries.

Stuart Forsyth Darfield has two in from ORF 21595, Andorra 6220, and from last month RSA3230, Zimbabwi 3306, 3396.

BEST OF THE MONTH

Under 9 MHz.

Radio Dublin
6135 KHz. 200 watts 122 Points.

Bryan Clark Auckland

Over 9 MHz

Radio Liberty Portugal
25690 KHz 10 Kw 122 Points
Arthur Cushen Invercargill

Arthur Cushen Invercargill has verified KTWR 17705, Moscow 21530 21565,17860 17835, Cuba 11760 15320 Turkish Police 6340, Havana 9550, Belgium26050 21525, Spain, R.Liberty 17750 17725 11885 11875 15380 21745 25690, Moscow 12015, R.Patagonia 6080, Vatican 11700, AIR 11755 R.Japan (Sines) 15305, Penang 4985, RSA 21530, Lagos 3326, Veritas 17785 15285 15135, Para Brazil 4885 FEBC 11890.

We noted your remarks about the power of Turkish Police, we let it go at the time thinking the may have been a change of power. At 114 points it would still have been the winner, many thanks.

Tim Austin Bluff Is in with a long list of verification from Peking 17700 9530, NHK 11705 17810, Tirana 7300, TWR Monte Carlo 9495, ORF 9770 15410 17830, SIBC 9545, AIR 11620, R. Cadena Naciona 6145 (QSL card) RN. 6020, WINB 15185, R.National Buenos Aires 6060, BRT15385, Prague 5930, Noumea7170, Polonia 11815, Cuba 15230, Rai 11800, Athens 9515, HCJB 26020, quite a list Tx.

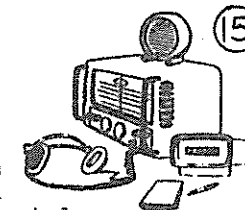
Leigh Morris Palmerston North has QSL's back from R. Madagasikara5010 Maldives 4754, Cairo 15375, FEBC 11890

Jim Gorman Papakura has 9 reports out with QSL's fromPortugal 9765 SBC 17795 Prague 21705.

A very full programme many thanks and best wishes for 1981.

SHORTWAVE BANDWATCH

with BARRY WILLIAMS of Auckland



15

As summer draws nearer activity seems to be falling off. Members have very little to report on the lower frequencies but there still seems to be plenty to hear on the 13 and 11 metre bands. Radio Bras has been heard again, Nigeria reported on 17800 khz and Lesotho ,BBC relay on 11720. Also of interest is the reporting of a US pirate KVHF. Don't forget Summer time is the time for maintenance on your antenna. Check insulators, wire joints, pullys etc. Not long before Christmas so I wish everyone a very Merry Christmas, particularly those regular contributors who keep Bandwatch going.

All times are GMT Add 13 hours for New Zealand Daylight time Freq.inkhz

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
3240	0930	PERU	R.America	ID in Spanish. Mixed with Utility	CC
3355	1730	INDIA	AIR	ID then English news followed by Urdu	JS
3425	1435	NEPAL	Kathmandu	Good reception in English.	MB
3915	1700	SINGAPORE	BBC World Service	Good English news. Strong	1815 JB
3989	1740	CYPHUS	BBC World Service	Fair in English, Sports, Fading	BH
4120	1400	KOREA	Unification Radio	in English. // 4557 khz.	AC
4719	0954	INDONESIA	RRI Ujung Padang	News in Indonesian.	CC
4774	1045	INDONESIA	RRI Djakarta	Strong pop music. ID 1100 .also 1415CC	
4800	1715	INDIA	AIR Hydrabad	English ,fair with talk " International understanding "	BH
4825	1810	MALI	R.Bamako	ID French " Ici Bamako " followed by African music. Only heard infrequently.	CC
4840	1730	INDIA	AIR	Delhi with 5 minute English news, fair.	BH
4845	1700	MAURITANIA	Nouakchott	Good with news in Arabic.	BH
4875	1340	INDONESIA	R.Sorong	Fair with English pops.	MB
4934	1715	KENYA	Nairobi	Good in Swahili, local music, fading	BH
4950	1400	MALAYSIA	R.Sarawak	Music information, English.	MB
4960	1000	CHINA	R.Peking	Chinese, ID and news.	CC
4985	4985	BRAZIL	R.Brazil Central	Poor in Portuguese, Frequent anncs	CS
5047	1130	INDONESIA	RRI	Yogyakarta, Strong with English news.	CC
5060	1702	PAKISTAN		English news, very poor copy.	CS
5955	0615	GREECE	VOA Kavala	English poor, " Breakfast Show "	CS
5960	1245	USSR	R.Moscow World Service	Strong in English.	CC
5975	1815	GT.BRITAIN	BBC	Strong World Service.	JB
5985	1200	BURMA	Burma BC Service	Burmese fair with station ID.	CC
5995	0620	USA	VOA Greenville	Fair in English. "Report on Voyager "	CS
6000	1900	MALTA	DW	English ID then Arabic. Strong.	JB
6090	0540	LUXEMBOURG	R.Luxembourg	Good in German.	CC CS
6095	0550	POLAND	R.Polonia	IS and ID .Unknown language.	CS
6110	1800	GREECE	VOA Kavala	English, news 1815.	CC
6180	0815	GUATEMALA	"La Voz de Nacional	Spanish. Latin music.	LR
6315	0800	UNIDENTIFIED	US Pirate ?	Male announcer in English with selection of pops. Heard 30/11.	SG

6420 0615 USA Pirate Radio KVHF ,first noted 10/11 .Good signal but much QRM from utility. Many IDs and popular songs. Heard until 0900 Sundays only. Heard 23/11 to close 0800.

7105 0610 ASCENSION BBC Relay .English to Africa, World news/commentary CS
7195 1938 ROMANIA Bucharest, Poor with English news. CS

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FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITS
7230	0600	GT.BRITAIN	BBC	World Service .Good , French 0630	CC
7270	0630	POLAND	R.Polonia	IS & ID in English , News off 0700 .	CC
7275	0930	KOREA SOUTH	R.Korea	Strong with ID Korean then into Indonesian 1300 heard in Japanese	CC
7275	1935	SPAIN	SFR	English to Europe . 1915 good signal	CS MB BH
9495	0630	MONACO	TWR	Monte Carlo , Fair with "Back to the Bible"	CC
9505	1214	JAPAN	NHK	End of commentary ,ID then Japanese .	FC
9510	1245	ANTIGUA	BBC Relay	Sports news	FC
9510	1430	GUAM	KTWR	English to 1500 then Benghali .	AC
9545	0800	BRAZIL	R.Universo	Fair copy with Portuguese and music .	OC
9562	0405	IRAN	R.Iran	In Farsi with speech and music .	JM
9575	1110	PHILIPPINES	FEBG	R International . Mandarin into Chinese at 1115 . IS then into Cantonese . Good signal .	CC
9585	0200	SOUTH AFRICA	RSA	News to North America	FC
9605	1430	PHILIPPINES	Radio Veritas Asia	English program	AC
9655	1035	THAILAND	R.Thailand	English ID and Thai news , Good into English 1055 , // 11905 khz not heard .	CC
9694	2013	ABU DHABI	Voice of UAE	Finally heard weekly in Arabic till 2130 s/off . Severe QRM RFE 9695 and jamming 9690 khz.	BC
9745	0145	SWITZERLAND	SRI	News to NA	FC
9857	0632	GT.BRITAIN	BBC SSB	Good in English . Reported and verified	JS
9860	1924	CHINA	R.Peking	Good in English .0800-0900 in English	AC JS
11465	0707	IRELAND	R.Condor	Tentative report on Nov.2 nd . Heard time announcement followed by Classical music .	JD
11620	2000	INDIA	AIR	Good with news in English . Also 1800	CC
11650	1800	KUWAIT	R.Kuwait	English service for Europe . //15345,Fair	JM
11675	2015	NEW ZEALAND	RNZ	External Service .	CC

11720	0458	LESOTHO	BBC Relay	Opens and has BBC news 0500 .French 0530 AC Good signal .	AC
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11725	1015	KOREA SOUTH	R.Korea	Good with " Music of Korea "	LR
11735	1030	USSR	R.Moscow	World Service in English .	CC
11760	0500	CUBA	R.Havana	Fair in English . Fridays "Mailbag"	OC MB
11770	2000	AUSTRALIA	RA	Difficult copy , QRM . Used USB .	JS
11770	1930	USSR	R.Moscow	World Service news .	CC
11775	0129	SPAIN	SFR	Poor in Spanish .	CS
11790	2200	PORTUGAL	R.Japan	General Service via Sines .	AC
11800	2050	ITALY	RAI	Fair with Italian to Australia .	JS
11810	0800	KOREA SOUTH	Seoul	English to 0900 over Rome .	AC
11880	0140	SPAIN	SFR	Fair with English/Spanish news & commentary	CS
11885	0030	URUGUAY	SODRE	Spanish very weak .	FD
11910	0150	HUNGARY	R.Budapest	English commentary , ID 0200 . Poor	CS
11925	0300	PORTUGAL	Lisbon	English strong .	FD
11940	0645	ROUMANIA	R.Bucharest	English ID and news .	FC
11940	1450	SINGAPORE	R.Singapore	Fair with het.on signal	FD
12050	2145	EGYPT	R.Cairo	Good with Arabic .	JS
15000	2250	SAUDI ARABIA	Riyadh	Strong Nov.2nd . No sign of 15060 khz	OC
15000	0400	IRAN	R.Iran	Strong Oct. 2nd . IS s/on .	BC
15025	1712	ANDORRA	AWR	Excellent with Russian Gospel program . Station IDs in EE ,FF, GG and RR .	FD
15033	1750	ANDORRA	"Andorra Internatiojal "	Heard to after 2250 . FF,EE,FD	LR
15060	2150	SAUDI ARABIA		Good with Arabic music .	CC
15105	0130	MALTA	DW	English to NA . News strong .	CC
15110	1456	VATICAN	Vativan Radio	Opens English 1500 with good signal // 11610 poor ; 17875 strong . Transmission to Asia .	CC BH
15120	2210	VATICAN	Vatican Radio	Fair in English to Far East . 0627 Mass in English , French and Spanish .	FD CC

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FREQ	TIME	COUNTRY	STATION	RECEPTION & PROGRAM DETAILS	INITS
15120	0740	NIGERIA	Lagos	External Service , Fair in English .	LR CC
15120	0930	CINA	R.Peking	Opens in English to News to NZ . Strong	CC
15125	1902	BRAZIL	R.Braz	Excellent with English news .	RJ BH
15135	0630	GUAM	KTWR	Strong in Chinese . 2210 in Japanese .	FD CC
15155	2210	MOROCCO	RTM	Strong Arabic signal .	FD
15155	1845	SEYCHELLES	FEBA	Portuguese to close 1850 .	CC
15155	0430	ECUADOR	HCJB	English Gospel program .	AC
15170	0845	TAHITI	Papeete	French with ID .	CC
15185	1115	USA	WINB	English Gospel ,strong .	FD
15185	0640	USSR	R.Moscow	An English World Service , Good , Classics .	CC
15205	1030	INDIA	AIR	Good in English , DX program .	OC
15210	0500	BELGIUM	Brussels	S/on in French . fair signal	CC
15210	0910	EGYPT	Cairo	Fair in Arabic .	CC
15235	0530	ROUMANIA	R.Bucharest	Transmission Africa in English//17790	AC
15240	0930	USSR	R.Moscow	World Service , News in brief good .	CC
15240	0500	AUSTRALIA	RA	Strong with sports news . // 15115,15160,17870RJ	FD
15260	2250	ASCENSION	IS	BBC relay , Weak with World Service . 2235 good signal , music , English .	CS
15290	0346	BRAZIL	R.Bras	Good English to USA .	JS
15310	1835	BULGARIA	R.Sofia	Good in English with some QRM .	FD
15330	0410	USSR	R.Moscow	in Spanish over RAI .Peace & Progress 0430	CC
15335	1330	INDIA	AIR	Good with GOS in English	CC
15335	0245	COLUMBIA	R.Nacional	Very strong Spanish .	FD
15345	2100	KUWAIT	R.Kuwait	Heard to s/on English . Good signal	CC
15355	1800	SWEDEN	R.Sweden	VG in English to Asia . ex 15225 khz .	BC
15360	2300	EGYPT	R.Cairo	Portuguese transmission .	AC
15365	2145	CANARY	IS	Spanish to s/off 2240 .	AC
15375	2130	KOREA NORTH	Seoul	English to 2230 . Good signal	FDAC
15390	2010	GERMAN	DEM.REP. RBI	Poor with English news .	CS
15395	0909	AUSTRALIA	RA	Test transmission to Pacific for Aust/NZ cricket series . Strong with frequent ID's .	RJ
15400	0300	SEYCHELLES	FEBA	IS 0310 Farsi , Strong signal	LR FD
15410	2300	RWANDA	DW relay	Good in German	FD
15425	2300	AUSTRALIA	Perth	V1W15 Good signal with WA news .	OC
15440	2145	USA	WYFR	Strong with English Gospel ; 1845 Fair signal	RJ FD
17700	0512	USSR	R.Moscow	World Service , English commentary	CS
17735	1830	USSR	R.Moscow	World Service , News in Brief . Good .	CC
17770	0000	GUAM	KTWR	"Back to the Bible " Sundays , English	CC
17780	1000	GERMAN	FED. REP. DW	Strong signal "Asian Report " English	RJ

17800	0628	NIGERIA	Voice of Nigeria	Fair to VG with test transmission English news 0629 . Also heard with English 0500 , French 0630 Arabic 0800 & English 0830 . Local news 0730 . Only heard frequency of 15120 announced . According to BBC transmission to North Africa over new 300 Kw transmitter .	AC BC CS JM
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17800	2315	CHILE	La Voz de Chile	Good in Spanish .	FD
17810	1900	BRAZIL	Radio Bras	English to Europe , Fair .	JM
17825	1830	BULGARIA	R.Sofia	in English to Africa , Good	CC
17830	0200	BRAZIL	Radio Bras	English to North America , Good reception	JM
17845	0740	GERMAN	FED.REP. DW	with DX program in German , good	CC
17855	0130	KOREA SOUTH	R.Korea	in English , fair - good	CC
17880	0830	USSR	R.Moscow	strong with World Service news in brief .	CC
17890	2033	TAIWAN	Voice of Free China	ID heard under REE .	CC
17900	0330	USSR	R.MOSCOW	IS heard after Spanish program .	CC
21460	0655	Belgium	ORU	Poor in French . Stat.ID heard .	CS
21480	0700	MADAGASCAR	RN relay	English to Africa s/off 0720 .	RJ
21485	0646	GERMAN	DEM.REP. RBI	Fair with home Service .	LR

FREQ	TIME	COUNTRY	STATION	RECEPTION & PROGRAM	DETAILS	INITS
21550	2100	USA	VOA Greenville	Strong with Arabic news		JB
21500	0630	AUSTRIA	ORF	Continuous music	Strong, 4 Language ID 0700	JB
21500	2228	VATICAN	Vatican Radio	ID in Latin 2230		CC
21500	0830	AUSTRIA	ORF	English	//21640 khz	CS AC
21515	1700	FRANCE	RFI	Good with "Paris Calling Africa"	English	RJ CS
21618	1410	SWEDEN	R.Sweden	Travel talk	English	FC
21520	0725	SWITZERLAND	SRI	Fair with Commentary	in English	CS
21530	1630	PORTUGAL	R.Portugal	Good closing	in English	CS CS
21530	0800	USSR	R.Moscow	"63 rd Anniv. of Rev."	English	CS
21555	0900	SPAIN	SFR	in Spanish but mixed with Sweden		AC
				1527 opens with ID in Spanish	Strong	CC
21570	0925	AUSTRALIA	RA Carnavron	Fair with C & W Music		CS
21570	1850	USA	AFRS	Sports & music	Fair, English	CS
21575	0930	FRANCE	RFI	In French some days when not on	21580 khz	CC
21590	0230	PAKISTAN	Karachi	very strong with English news		CC FD
21685	2030	BONAIRE	RN	in English	ex 21640 khz	AC
21770	1230	BANGLADESH	Dacca	Good clear signal with English and local		CC
25650	1000	GT.BRITAIN	BBC World Service	Good		CC
25680	0805	MADAGASCAR	RN	Dutch, commentary	ID 0811	CS
25690	0835	PORTUGAL	R.Liberty	unidentified with East European lang.		CS
25780	1800	FRANCE	RFI	Fair, French		JB
25820	1000	FRANCE	RFI	in French with ID	// 25900 khz	CC CS
25880	1800	USA	VOA Bethany	Good in Spanish		JB
26000	2344	USA	VOA	Strong with magazine news		EJ
26050	1015	BRIGIUM	BRI	in Dutch	Good with ID	CC
27940	0102	USA	Pirate ??	weak on 23/11 with pop songs		SG

Swiss Radio International

Schweizer Radio International
 Radio Suisse Internationale
 Radio Svizzera Internazionale
 Rádio Suíça Internacional
 إذاعة سويسرا العالمية

SBC Swiss Broadcasting Corporation
 SSR Société Suisse de Radiodiffusion et Télévision

Once again we thank our contributors .
 SG Steven Greenyer , CS Cecil Symmes
 CC Colin Campbell , JB Jim Benzoni
 RJ Rick Jackson , OC Owen Cullen , LR Lindsay
 Robinson , AC Arthur Cushen , JS Jack Searle
 FC Frank Crow , Los Angeles , JM John Mainland
 BC Bryan Clark , BH Bill Huddleston
 MB Max Burke , JD John Durham and FD being
 the stations heard by Waikato Branch members at
 the NZ Sport & Recreation Field-day . Members
 were Jim Benzoni , David Munn , John Durham and
 Robert Webber .



the editor: My first inclination when I found myself left to fill this space at the last moment was to be bloody-minded and to blame everyone else except myself - but then I had to admit that I was given a choice to include an item I'd already included elsewhere or something which is too long for the space anyway - we'll use that one next month because it makes some important points about the problems facing the 'Bandwatch' editor - and, believe me, I sympathise with him - so what to say:

"PEACE ON EARTH AND GOODWILL TO ALL MEN"
 and sorry about the 'Ladders' - I'd put the 'Times' together before they were put in my letter box - so there's something to look forward to in the New Year - HAPPY DAYS!



ARTHUR CUSHEN'S SHORTWAVE REVIEW

The interference caused by Moscow transmissions has resulted in some frequency changes by international broadcasters and the latest to plan a move is Radio Sweden in their transmission to New Zealand at 1100GMT. This is part of the script broadcast on New Zealand Calling External Service of Radio New Zealand on Monday, December 1 at 0430GMT on 15485 and 17860kHz and repeated at 0745GMT on 11945. All frequencies in kHz; times in GMT, 13 hours behind New Zealand daylight time.

AUSTRIA: Vienna broadcasts in English to Australia and New Zealand 0430-0500 17745 and 0830-0900 15410, 21500 and 21640kHz.

BRAZIL: Radio Nacional at Brazilia now uses two transmitters for its service to Europe from November 20. The transmissions are 1900-2100 on 15125, 17810, while Radio Braz also uses two transmitters to North America 0200-0400 on 15290, 17830kHz. The other English broadcasts to Africa 2100-2200 is carried on one frequency 15280kHz.

CANADA: Radio Canada International in English to North America is using at 0300-0327 5960, 9535, 11770, 11845 and 11940kHz.

CANARY ISLANDS: Madrid programme in Spanish 2145-2245 is relayed on 11815 and 15365kHz.

CHILE: Radio Patagonia 6080kHz now opens at 0930GMT as Chile is on daylight time. The station verifies with a tourist booklet on the area and also a postcard of ice scenes in the area. The station also has a short announcement in English when opening transmission.

EGYPT: Cairo heard 2300-0015 in Portuguese on 15360kHz.

GUAM: KTWR for the English broadcast 1430-1500 now uses the new frequency 9510kHz. This frequency carries DX Listeners Log on Friday at 1445 and at 1500 the station broadcasts in Benghali.

HUNGARY: The English transmission to Australia 1030-1100 is now broadcast on 9835, 11910, 15160, 15220, 17710 and 21525kHz.

IRAN: Teheran Home Service heard with interval signal at 0320 and sign-on at 0330 on 11745kHz.

ITALY: Rome has made a frequency change to its Italian service to Australia 2050-2130GMT and now uses 7235, 9575 and 11800kHz. 7235 replaces 15400.

KOREA: The Voice of Reunification has been heard with English at 1400GMT. The schedule is 2230-2300 in English on 1053, 4557; 1400-1430 on 1053, 4557 and 4120kHz. The station broadcasts from Pyongyang Nth Korea.

LESOTHO: The new BBC relay base in Lesotho has been heard on 11720kHz opening at 0458 with BBC World News 0500, French for Africa 0530, News Desk at 0600 and further French for Africa at 0630. Signals fair to good throughout.

LUXEMBOURG: Noted on 0300 with announcement in French followed by popular music on 15350kHz.

NIGERIA: Lagos heard using a new 300kW transmitter on 17800kHz with a relay of the service to North Africa in English 0600-0800GMT. World News is heard at 0630 a Mailbag session on Friday at 0700 local news 0730 and French at 0800. The broadcasts are irregular and the only frequency announced is 15120kHz.

SPAIN: Madrid is using 21555kHz in Spanish 0900-1000 but signal mixed with Radio Sweden's SSB transmission.

SWEDEN: Stockholm in English to Australia and New Zealand 1100-1130 has been using 21690kHz but since September has suffered interference from Radio Moscow. Following a telegram a suggestion has been made that the station use 21610kHz for this transmission.

..sign off..

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with JOHN MAINLAND

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EXPLANATION OF KILOHERTZ (kHz) Heinrich Hertz (1857-1894) was a German physicist whose laboratory experiments confirmed, James Maxwell (1831-1879) a Scottish physicist, electromagnetic theory of waves and yielded useful information about their behaviour.

Pears Cyclopaedia 79th Edition 1970

INDIA The General Overseas Service of All India Radio is starting a DX px. The broadcast will be every 1st and 3rd Monday of the month at 1040, 1435, 1930 and 2125 GMT and a repeat airing on Tuesdays at 0050 GMT. RN DX 9/10

PORTUGAL WRTH reports Radio Renascença's new 100kw transmitter will operate on 6155 kHz. RCI DX 4/10

ECUADOR Escuelas Radiofonicas Populares, Riobamba on 3985 may move to 5015 January 1st 1981. RCI DX 4/10

BRAZIL Radio Transamazonica plans to move from 3520 to 2410 and raise power from 250 watts to 1 kW. RCI DX 4/10

Rádio Nacional de Brasília

International Service

programmes are broadcast with a 250-kW Brown Boveri transmitter. Both the transmitter and the antenna are located some 55km from Brasilia.

ANDORRA/AWR Following some 10 days of testing the new facilities installed for AWR at Radio Andorra, regular sct began on August 1st 1980. The new 10 kW tx was purchased from the Voice of America in West Germany. A 22 metre tower was erected—the antenna is a Hy-Gain Log Periodic type. The AWR sked effective to March 28th 1981 via R. Andorra is: EE 0900-1000 15030 (Sunday) including World DX News 0930-0945 & EE daily 2030-2200 on 6220kHz.

AWR News Oct., 1980

CHILE According to the Santiago domestic service, clocks in Chile will be advanced one hour at midnight on 11th October. Local time will be GMT-3 hrs.

BBC MS 9/10

UNITED ARAB EMIRATES According to an article in the 14th September issue of the 'Khaleej Times', "the Voice of Dubai will be heard shortly in all corners of the globe with the commissioning of Dubai Radio's powerful and most modern world service." The article confirmed that test transmissions, conducted by a team from Marconi Communications, started six months ago. There were three new 300kW computer-controlled txs, feeding an antennae array giving 29 automatically selectable beams to reach any part of the world. The new station is at Lihbab on the Dubai-Hatta road. Mr. Hassan Ahmed, the controller - general of Radio Dubai, said that "one of the salient features of the new service would be to project political, economic, social, cultural, religious and historic events in the Arab world in their true perspective in both EE & AA." BBC MS 9/10

SURINAM Radio Apintie launched its external sct October 9, 1980 beamed to Holland every Thurs, Fri and Saturday at 0430-0630 GMT. Power is currently 3.5kW but they plan to boost output to 4.0kW or even 8.0kW on the bearing to Holland. Pxs are in Dutch & Sranang Tongo on 60 metres.

A. Sennitt WRTH via RN DX 16/10

Radio Apintie has been heard in the USA., 0130-0430*GMT 5006kHz. D. Robinson RN DX
LA VOZ DE NICARAGUA'S International sct from Managua is heard in the USA., 0500-0600 in SS on 5950. D. Robinson RN DX 16/10

LIBERIA The Monrovia domestic service on 10th October announced that the Military Government had issued a decree renaming the Liberian Broadcasting Corporation as the Liberian Broadcasting System. BBC MS

IRELAND According to the Head of Engineering of Radio Telefis Eireann the Irish Government decided to set up a shortwave service to North America in 1949. Just as the equipment became operational a new Government came into power and they decided to close the project, the antennas and txs were sold for scrap. A new sw sct is considered to expensive. A new law is to come into force to outlaw such pirate stns as Radio Dublin, 6315v. SCDX 22/10

SEASON'S GREETINGS

LEBANON Since 14th October the "Voice of Lebanon"—the pro-Phalangist radio station which broadcasts on 6550kHz—has been identifying itself as: "This is the Voice of Lebanon from Beirut" (Arabic: Idha'at Sawt Lubnan min Bayrut). This is believed to be the first time that the station has identified Beirut as source of broadcasts. BBC

MS