



ISSN  
0110-3636

Vol.33 No.5

# NEW ZEALAND DX TIMES

Registered at P.O.H.Q. Wellington as a magazine January 1981

"NOW IS THE TIME FOR ALL GOOD MEN  
TO COME TO THE AID OF .....



## DISABLED PERSONS

While one may have reservations about the merit of the current practice of designating each year as "The International Year of 'This, That, or t'other' " - the Year of Disabled Persons is surely one which we can all support.

At the Annual General Meeting in 1980, the League agreed to lend its backing to the promotion of radio listening as a hobby for the disabled during the weekend of 6, 7 and 8 February 1981. In February the emphasis of the national campaign will be directed to leisure activities for the disabled which makes this particularly appropriate.

Our hobby though - whether we be DXers or SWLs (or a bit of both) - tends to be an individualistic effort. What then can we do? ADCOM suggests that the main effort should be directed at helping those who are shut in - those who may want practical help in the erection of aerials or other assistance in getting started in or improving their enjoyment of the hobby. It is recommended that Branches should make it known locally that members are available for these purposes.

Numerous regional committees have been set up throughout New Zealand to co-ordinate activities on a local basis and contact can be made through these. Should you be unable to locate a committee to work with in any area, get in touch with the New Zealand National Committee, P.O.Box 1420, Wellington (Tel. 738-619) who will undoubtedly be able to direct you.

### NEW ZEALAND RADIO DX LEAGUE

President: A.T.Cushen, M.B.E.  
Hon.Secretary: Mrs Irene Simpson  
Administration Committee (Membership, Policy,  
Competitions, Subscriptions) - P.O.Box 1313, INVERCARGILL.  
Editorial (Enquiries regarding content & distribution of the 'Times' ONLY) -  
P.O.Box 2956, WELLINGTON. CLOSING: Noon on 1st Monday monthly.  
Stationery - P.O.Box 450, DAMARU.  
Archives - Paul Ramsay, 67 Wharfe Street, DAMARU.

DEADLINE: NOON - 2/2/81 - LOGGINGS: VERIES: B.O.M; LADDERS: TV/FM DX.

## FROM THE BRANCHES

② GREETINGS AND BEST WISHES TO ALL LEAGUE MEMBERS FOR 1981 WHEREVER

YOU MAY BE. MAY YOU HEAR ALL THOSE STATIONS YOU HAVE BEEN CHASING FOR YEARS AND MAY ALL THOSE ELUSIVE VERIES START COMING BACK IN DROVES.

There isn't a great deal from the Branches this month, the holiday period is still with us, but the end of the month will see meetings start again and in February the reports should start coming in. Hopefull we shall hear what is being done by Branches and members to promote the hobby in the International Year of Disabled Persons. Now to the Reports we have:

**AUCKLAND:** There was no December meeting due to the holiday period and the NEXT MEETING is to be held on 25 January 1981 (Where? Ed.). To be featured will be a talk by Jim Gorman on how he became interested in the hobby. The 'frequency points' section of local and national competitions is also to be discussed. Enquiries to Jim Gorman, Tel. 298-5534.

**NORTH DTAGO:** Received too late for inclusion in the December 'Times' was the report of the November meeting attended by 5 members and two Amateur Radio Operators who gave a short talk on the emergency uses of their radios. Another activity has been found to keep the Branch amused in the New Year, namely a trip to Alliance Textiles so that they will be really seeing the sights of Oamaru. COMPETITIONS: S.W. over 9 Graham Tee G.D.R. Berlin International 17700. Broadcast Richard Kitto Vanuatu 1125.

**SOUTHLAND:** Down there they did things in style - The meeting was held at Paul Aronsen's with 13 members present. They held a brief meeting to discuss Christmas listening, plans for a meeting at Tiwai on 24 January, a barbeque in February. A note was made of short-term licences which had been granted and which would be heard over the period. COMPETITIONS: Premier Award: Ray Crawford R. Capital Colombia 1250 15 kW. Rest of World Eric McIntosh R. Monte Carlo 1467 1200kW. Shortwave - Over 9 Arthur Cushen Andorra 15028. Under 9 Tony Magon Lesotho 4800.

**WELLINGTON:** No report but a correction. Ralph Sutton's telephone should be 795-542. (Must've been dreaming when I typed that one - Ed.) Don't forget the next Branch Meeting at Ralph's place, 21 Rama Crescent, Khandallah.

## SUBS. 1981

Subscriptions from the following members are due in MARCH 1981. The amount due is: N.Z. \$6.50: Aust. & S.Pac. \$9.00: N.Am. & Asia \$10.50: Europe, Africa, S.America & Mid.East \$11.50.

Allchin J. Askew P. Bailey P. Baker J.H. Barnes A.F.N. Barrow R.G. Bilderbeck P. Bourk A.E. Bower R. Bradley K. Burgham J. Butterfield L.B. Campbell C.R. Cave R.N. Crutchlet N.M. De Jong H.J. Dent P.W. Donaldson S.J. Dunstone R. Eskick N.J. Fitzgerald G.J. Freeth R.M. Hadlow B.D. Hambley C. Hatch D.C. Hing L. Jermyn J.C. Lake R.J. Lake W.R.A. Leeming D.V.C. Lynneberg D. MacGregor R.J.C. Milligan D.A. Mitchell R.A. Moran J. Moss R.V. Newton K. Rainbird C.W. Robinson L. Ruthe P.J. Ryan J.E. Satherley D.J. Schnell P. Searle H.R.V. Searle K.D. Smith K. Spring S. Stewart R.H. Stowers R. Tinney J.R.G. Tucker A.W. Treloar J.E. Washbourne G.E. Watson N.W. Webb J. Wevers W.F. Williams N.D.

\*\*\*\*\*

## VOLUNTEERS?

One or two of the present editors have indicated that they wish to be relieved of their responsibilities in the next six to twelve months. Any members who would be interested in filling the gaps are asked to write to the Editor, P.O.Box 2956, Wellington. The main requirements are access to a typewriter (and either to a typist or the ability to type) and the time available to meet publishing deadlines. Full details can be given to those prepared to help.

## BROADCAST DX

POP EL PERSONAL NECESARIO ③

Reception conditions seem to be picking up a bit on what they have been of late and it is to be hoped that the trend continues.

1XG Radio Rhema using 2kw on 603 was again operating up to January 11 from 0600 to 2400 NZT.

2XJ at Hastings was on for the 9th Scout Jamboree operating for 24 hours on 1566kHz with its own programming in the breakfast slot and noted carrying the Tonight Show. The station operated from 1st to 10th January.

2XK, Radio Kapiti operated on 1233kHz with 500 watts of power, 24 hours, from December 26 to January 19th. They carried their programming, relaying windy from 10pm and taking newscasts from windy. Address for reports is P.O. Box 235, Wgtn.

4XS, Radio Fiordland operated on 1548 with 100 watts 24 hours a day, from 20 Dec to January 11. Transmitter was located at Luxmore Enterprises, Milford Road, Te Anau. Senior technician of the station was H. Sapwell, 50 Wray St., Brockville, Dunedin.

4ZF, Te Anau, operated by Radio New Zealand was opened on 612kHz with a power of 400 watts. Station operates 24 hours relaying 4ZA. Commenced operations Dec. 18.

Radio New Zealand is authorised to operate with local programming from Kaitiaki on 1215 (rather than relay Whangerei) on most Mondays, Wednesdays and Fridays through to March 1981, in the period 0900-0930am NZT.

Radio New Zealand are authorised to operate with local programming from the Kaitiaki transmitter (out of Sync with the co-channel Whangerei) as follows: 20, 22, 27, 29 January, 3, 5, 10, 12, 17, 19, 24, 26 February, 3, 5, 10, 12 March all 0900-0930am NZT.

Massey University will be back on the air on 1548 6am to midnight NZT during enrolment weeks from 21 February to 7 March. The 200 watt transmitter is to be located on the Uni Campus.

Radio U at Canterbury University will be on the air with 100 watts on 1422, a new frequency for this year, from 23 February to 14 March from 8.00am to 11.00pm NZT. The address for reports is: Uni of Canterbury Students Assn., Private Bag, Christchurch. The transmitter will be located at 90 Ilam Rd. in the Student Union Bldg.

Radio Hawkes Bay will apply for a private radio warrant in early 1981 for a 24 hour commercial operation.

1YT Taupo is on the air on 1314kHz with a 2kW transmitter. 2YW in Gisborne is also operating on 1314. National programming heard on 855 could perhaps be from New Plymouth as they tested from here sometime last year.

Western Samoa has been heard on two new frequencies of 540 and 1359 apparently in // with 1404.

Radio Fiji has been observed on 774 and is thought to have moved here from 711.

Tnx to B.Clark, A.Cushen, D. Lynneberg, P. Ramsay, R. Chambers, R. Crawford, for the above info.

INTO THE MAILBAG:

**STUART FORSYTH, DARFIELD,** has had a quiet month due to an influx of visitors but managed to log 2XL, 3ZE, 3XG, 1XL, 2XK. Veries are to hand from 2GN, 3LO, 3GI, 5UK, 5MV, 7ZL, 2XL, 3ZE, 3XG, 4CD, 2XF, Rajkot 1071, Saudi Arabia 1512, 1521. Ta.

**ARTHUR CUSHEN, INVERCARGILL,** has reported 4ZF 612, 4XS 1548, 2XK, 1XL, Samoa 540, KQWB, KKAA, KNOX 1310. Veries 3WL & JOHG.

**PAUL RAMSAY, OAMARU,** has reports out to 4XA, Hauraki, 4XQ/C/W, 7ZL, 3ZO. Verie 1XG, 3XG, 2NC.

**BRYAN CLARK, AUCKLAND:** has logged Bay Radio 1215, Kapiti 1233, 4XS, Samoa 540 Verie in from Maska Radio 1584. Tnx.

**TONY MAGON, INVERCARGILL,** has reported 2XJ, 1XL, 4XS and KUAM. Verie Sabah 927.

**PAUL EDWARDS, WELLINGTON,** veries in from KDEO, KPAY, Tuvalu 580, KPLS, WUNI, KPFE, Belize 834 and Cuba 780.

**PAUL SCHNELL, PALMERSTON NORTH,** has no veries in but reports out to Rhema on 1503 and 603.

4

RADIO NEW ZEALAND TRANSMITTER SHUTDOWN SCHEDULE

Now that all Radio New Zealand stations are on the 24 hours a day except for the YC network it is handy to know when stations are scheduled to be off the air for maintenance to be carried out. As has been the case in the past year or two not all stations observe the shutdown if there is no work to be carried out.

- 1st Wednesday of the month; 1YA, 1ZB, 1ZM, 3YZ, 3ZA, 4YZ, 4ZA.
Thursday morning following; 2YW, 2ZG, 2ZW, 2ZM, 4ZW.
2nd Wednesday of the month; 2YA, 2ZB, 1YZ, 1ZD 3ZC 2YW.
Thursday morning following; 4YW, 2ZD, 3ZO.
Friday morning following; 4YQ.
3rd Wednesday in the month; 3YA, 3ZB, 1ZC, 2YZ, 2ZK, 2ZP, 2YP.
Thursday morning following; 1ZO, 1ZK, 1YK, 2ZH, 2ZE, 2ZE, 3YR, 2ZE;
The Friday morning; 1ZU, 1YE, 1ZE, 2ZF, 4ZF.
4th Wednesday of the month; 4YA, 4ZB, 2YM, 2ZA, 2ZC, 3ZM.
Thursday morning following; 1YW, 1ZN, 1ZH, 1YZ, 1ZT, 1ZA, 1YT, 2YZ, 2ZN, 3ZE, 4ZG.

A. CUSHEN

MAILBAG Continued.

DEXTER POWLEY DUNEDIN. logs at home R.FREEDOM 4XF 1548,4ZF,4XS, at Longbeach 2XK,1XL, varies 4ZF and 4XF 5watts very good Pirate.

HANK WILKINSON, CALIFORNIA, varies 3AR, JOSF, JOFK, 1ZA, 1YE, China 828, Reports out to Tahiti, RRI 1206, JOHC, JOUK, JOHG, JOAD, and tentatives to 4ZW, 2ZG, and 1ZC. thanks.

Paul ORMANDY, OAMARU. Has QsIs only from KNIX and Vanuatu 1125.

TERRY SHEWIN, BLENHEIM. has logged 1XA, 2ZW, 2ZC, 1ZH, 2ZK, 2ZA, 2ZD, 3XA, 1XP, 2ZF and varies from 2XW, 3ZC, 2ZB 2XX, 1XA, 2ZW, 2ZC, 1ZH, 2ZK, 2ZA, 2ZD, 3XA, 1XP. thanks for news.

MARK NICHOLLS, AUCKLAND. Logs WOAI, KGFT, varies KSDO, KFAB, CKWX, 2GN. Your notes made it by owly minutes Thanks for other stuff, I can now post this copy.

SAMOA.

New stations on the air info from Dene Lynneberg.

- 540 1kw Upolu -Nu utoi.
1251 1kw Savi'i-Auala.
1359 1kw Savi'i-Auala.

All stations relay 2AP. and opened on 13 December NZT.

Thanks for info Dene Just made it

STATION PROFILE by PETE KEMP, NRC
KQV 1410

KQV came into existence on January 9, 1922 although the station dates back to 1919 as an amateur radio station 8ZAE by the Doubleday Hill Electric Company of Pittsburgh. In the early years KQV operated with a power of 1000 watts from atop the Plaza Building. In 1933 the transmitter was moved to Greentree, a suburb of the South Hills area. At that time they shared an antenna with WJAS and were affiliated with the Blue Network of NBC later becoming ABC. In June 1945 they joined in with Mutual Broadcasting System, and for many months was its flagship station. In February 1946 KQV increased its power to 5000 watts, installed a new transmitter and directional tower array, and changed its site to McKnight Road, Ross Township, where it still remains. KQV has always demonstrated a commitment to the community. They have sponsored Polio Clinics, Career Expositions, Bridal Pairs, Little League Baseball, United Fund radiothons, Spring Free Days, recycling newspapers, collecting monies for many civic and charitable organisations. KQV is another example of how instrumental radio broadcasting is to our way of life.

CKER 1480kHz, 4433 99th Street, Edmonton, Alberta, Canada began full time broadcasting on November 1, 1980. Programming is MOR with an ethnic background.

Mike Stonebridge in NRC

STATION NEWS

CHINA: According to a report from the Tibetan People's Broadcasting Station, members of the regional broadcasting administration met on 7th November to celebrate the 20th anniversary of the establishment of the Tibetan PBS. When the transmitter was first set up in 1959, the station operated with one 3.5 kilowatt transmitter borrowed from the regional Posts and Telecommunications Bureau. Now it has two large transmitters and relay stations in Lhasa, Qamdo, Shannan, Xigaze, Nagu and Ngari. Programmes now amount to 26 hours of broadcasting per day. In addition, 77 wired-radio stations have been built in the region to relay the Central People's Broadcasting Station (Peking) and the Tibetan PBS. BBC-MS

SOUTH KOREA: The South Korean news agency, Haptong, reported that the Christian Broadcasting Station (CBS), the nation's oldest private broadcasting network, founded in December 1954, has from 25 November 1980 had to restrict itself entirely to spreading the gospel, and has had to drop its news and entertainment programmes.

The two commercial networks in Seoul, The Tongyang Broadcasting Company (TBC) and the Tong-A Broadcasting Station (TBS), ceased to exist on 30 November 1980 after being amalgamated into the state-run Korean Broadcasting System (KBS). BBC-MS

SUDAN: Radio Omdurman's domestic service has Arabic news 1500-1515 on 1295kHz. BBC-MS

TAIWAN: Address for International Community Radio Taiwan on 1550kHz is 8 Chung Yung 2nd Road, Shan Tze Hou, Yang Ming Shan, Taipei 113, Taiwan, Republic of China. DX-POST

The Larry King Show is now also carried on WCAU 1210 and KYAK 650.

Ernie Cooper in NRC

Address for 3EA in Melbourne is; 35 Bank Street, South Melbourne, Victoria 3205, Australia. N.Parry

BEST OF MONTH To Ray Crawford with HCRH2 Radio Huancavilca, Huancavilca, Ecuador. 830 kHz. 10kw. 143 Points.

MEDIUMWAVE TRAIL.

5

- 540 Samoa good till 1000 sign off. TY
550 KTSA fair giving station phone numbers 0930 29/12. "
830 KIKI excellent sig, 1000. "
990 KKUA powerhouse 0830. TK
1110 KFAB good 0815 with ID. TY
1310 KDIA fair to good 0915. "
1380 KTMO excellent 0840. TK
1440 KVON good at 0900 with s/off. TY
1480 KYOS fair signal 0845. "
1550 KTWG peaking 0744. TK
KQWB Nth Dakota, good with commercials 0850. TY
1560 KKAA 1000 good. AC
1570 CHUB call at 1050. TY
1580 KNIX good 0712. TK
Credits. A.Cushen. T.King. T.Y. Tiwai, R.Crawford. B.Murray, B.Dunstone.

MAILBAG.

LAURIE BOYER, INVERCARGILL. Has logged 4XA, Rhema 1503, 4ZW, 4YW, 3YZ, 4ZF, 4XS, 3YW 2ZH, 2ZE, 4ZA, 4ZB, 3ZB, 4YQ, 3YC, Otago Central 1359, 2SJ, 1ZU, China 1190, and K??? Seattle 1520? Veries show rewards from overseas trip, Bophuthatswana, CKLG, CHQM, Spain 684, 738, 918, 954, 4XG, 4ZW, 4ZF, 3YZ, CHED, Picadilly, Lesotho, KELE, KGMI, Moscow 1323, Rhema, CFAC, 4ZA, 3ZB, 4ZB, Transkei 602, Country list must be increasing.

PATRICK MARTIN, OREGON. sends his first report in with logs of KBBI, DXCC, DWIZ, TILX, JOBF, CPBS 756, USSR 1377, 1467. varies include JOFR, 2ZN, 2ZC, 1ZC, 4YW, China 1476, 936, 837, BBC 882, KCAM, JOBF, JOLR, KENI, JOGR, JOHK, JOBR, JOSF, FEN 810, USSR 585, 720, China 882, 1170. thanks for notes, hope we hear from you again.

BOB MURRAY, INVERCARGILL. Has varies in from 4GR 864, 2NX, 2JJ, 2VM, and reports 3NE, 4IP, 3GL, 2KO, Fiordland 1548, Kapiti and Taupo. Ta.

BRIAN WEBB, UPPER HUTT. Reports out to 1XL, 2MC, UE, XK, XL, ZE/ZF, ZH, 3XG, 4XO/XA, 1359, 8G0, varies from 1XG, 2MC, UE, ZH, 3EA, MT, WL, XG, 4QD, QL, RK, XO, 8G0. good.

RAY CRAWFORD, INVERCARGILL. reports 4ZF, 4XS, 2XK, KVON, KQWB, Samoa 540. Varies 3XG, 4ZF, 1XP, 2XF, Fiji 558, and Huancavelica 830. good one.

DENE LYNNEBERG, PUKERUA BAY? reports KSSK, KDEO, 4XQ, 2YC, 2XK, 1XG, HKN, 4NA, 4WK, 2EA, 1386, 2EA Wollongong 1485.4QR, Fiji 774. new freq? ex 711. Fiordland, Samoa 1359. Varies @4NA, 2XC, 2EA, Sudan 1295 after follow up. good.

# ANTENNAS

## THE FOLDED DIPOLE OR DOUBLET

Barry Williams

In the last antenna article we described the basic half wave dipole . Another simple and effective antenna , similar to the dipole , is the folded dipole sometimes called the doublet .

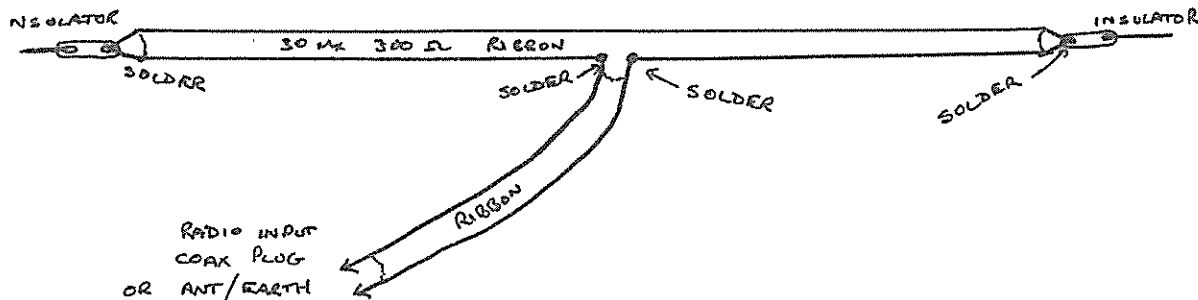
The folded dipole is basically a dipole constructed with two elements , one element or wire being driven or connected to the receiver . Because of the additional element or wire the input impedance is altered . Using a simple formula  $N^2 \times \text{radiation resistance} = \text{antenna impedance}$  , we can find the correct matching impedance . The folded dipole has 2 wires so we have  $2^2 \times 75 \text{ ohm ant. rad. resistance equals } 300 \text{ ohm impedance}$  .

So much for a little basic theory on the folded dipole . I have not built or used one myself so can not comment on performance but two League members have constructed and used two forms of folded dipole and have supplied us with details and comments .

### CONSTRUCTING A FOLDED DIPOLE BY PAUL ORMANDY Oamaru .

The folded dipole described below was designed for use on the 60 metre band and results have proved highly successful . The antenna is a half wave long and is constructed entirely of TV ribbon and thus relatively inexpensive . Material required is 30 metres of TV ribbon , two insulators and sufficient TV ribbon for the lead in . The ribbon should be 300 ohm impedance .

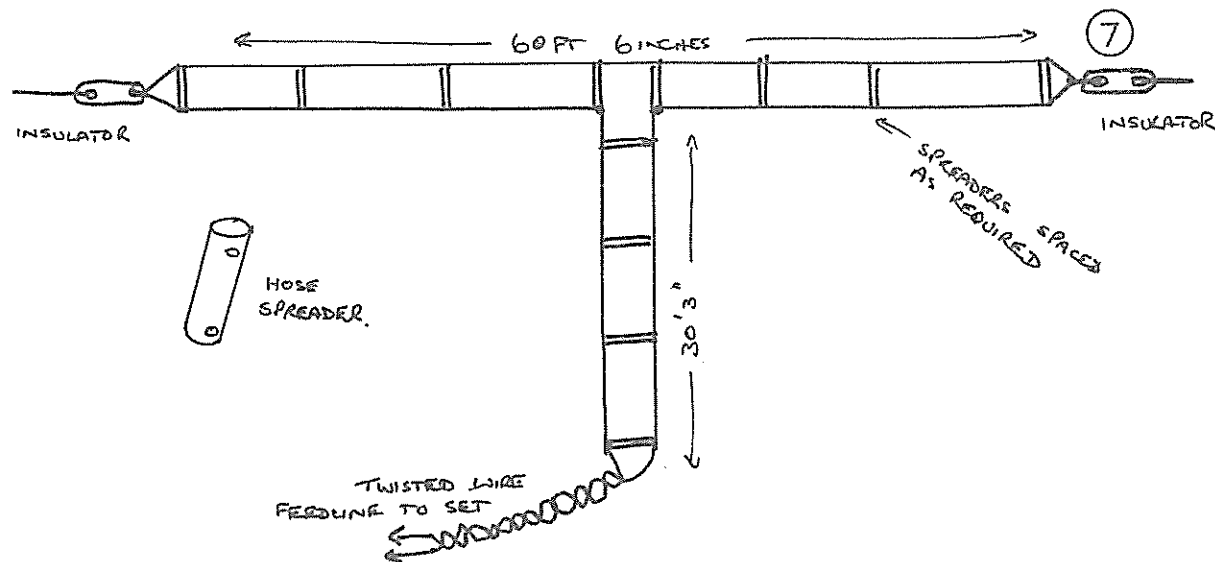
First strip each end of the ribbon back about 50mm , then solder together . Half way along the antenna , 15 metres cut one wire of the ribbon and connect the feedline ribbon to the respective ends . ( see diagram ) The antenna should be suspended with an insulator supporting each end . The antenna should be kept as high and as straight as possible .



Although the antenna is resonated on 60 metres it will work satisfactorily on other bands . If required the antenna can be cut for other SW bands using the formula in the August " Times " . To test the antenna after installation use a multimeter . When connecting the meter across the feedline one should get a very low resistance . If there is a high resistance then check for an " open " wire or a faulty solder joint .

### ANOTHER FOLDED DIPOLE by KEN GRAHAM Mt.Maunganui

Instead of using TV ribbon Ken has constructed his folded dipole using two wires separated by spreaders constructed of 2 1/2 inch lengths of plastic hose . Two holes are drilled through the spreaders for the wires to pass through . The two wires are fed through the spreaders and when correctly in place the wires are glued to the spreaders . The feedline is similarly constructed .



From the above diagram and measurements one can calculate that Tom's antenna is a half wave on 40 metres with a quarter wave matching stub . From the bottom of the stub , a twisted wire lead in is connected . Compared with his 187 foot long wire Tom has found the folded dipole only 1 1/2 db down and against his whip it is 3 db up . For further information regarding this antenna Ken will be pleased to oblige . Kens address is 298 Ocean Beach Road , Mt.Maunganui .

Our thanks to Paul and Ken for the information on their antenna setups . Next year we will do an article on Robin Chamber's 2 wire beverage and time permitting a little basic theory on long wires . Till then " hang high ! " .



## The New Broadcasting Centre

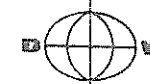
At last the Deutsche Welle's new broadcasting centre is ready. The Voice of Germany's 1400 employees who up to now have been housed in seven different buildings in Cologne can now move into "their" building. It is located in the Cologne suburb of Raderberg not far from the motorway to Bonn. The new Deutsche Welle complex consists of three distinctive high-rise blocks: the lift tower (137m), the office tower (120 m) and the studio tower (85 m). The external facade is comprised of metal-clad steel columns with a fire-retardant coating. On the outside are glass parapets of a different colour. The entire building is fully airconditioned. The 48 radio, four film dubbing and nine automatic broadcasting studios are all furnished with the very latest technical equipment. The various editorial departments can call on the services of a newly developed electronic news

distribution system. Each subscriber will receive a unit with a screen on which he or she can type their own text and on which texts can be recalled within the space of a second. Life will be easier for secretaries as well. A translift system will take over the job of collecting and delivering the departmental mail. Naturally, the new complex also contains a modern canteen and a cafeteria which caters not only for the physical well-being of the staff but also promotes communication. Staff members wanting to take a short break will be able to make use of a small garden area containing plenty of greenery, paths and a small pool. The removal has been thoroughly planned but listeners will notice hardly anything at all. In fact, by the time you read this our programmes will probably be being broadcast from the new building already.

The following DX Information has also been received from D :

DX Programmes in German, English, Spanish and Japanese are transmitted monthly, that in English on the third Saturday within the programme "Week-end Rendez-vous". Deutsche Welle has no Dx Club but mail is handled by the Listeners' Mail Dept., P.O.Box 100 444, D-5000, Koln 1. If you want to receive Schedules or 'Hallo Friends' regularly also write to the above address.

Also received an interesting, 104 page booklet entitled 'Deutsche Welle Engineering'.



⑧

LEAGUE LADDERS

Broadcast

Shortwave

DIVISION	June	DEC	INC	CNT	DIVISION	Jun	Dec	Inc	Cnt
<b>GOLD STAR (over 1250)</b>					<b>GOLD STAR (Over 1250)</b>				
Arthur Cushen	2421	2451	30	145	Arthur Cushen	4836	4970	134	240
Keith Robinson	2310	2354	44	114	Dene Lynneberg	2383	2413	30	218
Ray Crawford	1497	1535	38	164	Ray Crawford	1659	1695	36	173
Eric McIntosh ***	1088	1119	31	88	John Mainland	1581	1617	36	205
<b>SILVER ACE (751-1000)</b>					<b>SILVER ACE (751-1000)</b>				
Robin Chambers	979	995	16	120	John Durham	1571	1588	17	189
Dene Lynneberg	829	832	3	103	Ian Cattermole	1311	1450	139	140
<b>ACE (501-750)</b>					<b>ACE (501-750)</b>				
David Ricquish	628	649	21	54	Ray Babbage	1366	1380	14	136
Bryan Clark	514	527	13	94	Bryan Clark	1317	1348	31	210
<b>SENIOR (301-500)</b>					<b>SENIOR (301-500)</b>				
Hank Wilkinson	483	499	16	79	Gunter Jacob	1311	1339	28	128
Paul Aronson	494	494	—	—	<b>GOLD ACE (1001-1250)</b>				
Ian Cattermole	445	477	32	27	Jack Searle	1110	1128	18	140
Ray Babbage	451	453	2	45	<b>SILVER ACE (751-1000)</b>				
Lance Johnson	330	387	57	32	John Campbell	776	816	40	224
John Campbell	343	366	23	102	Lindsay Robinson	776	787	11	117
John Allchin	318	362	44	29	<b>ACE (501-750)</b>				
Bob Homewood	—	304	—	—	Peter Jones	651	746	95	117
<b>INTERMEDIATE (151-300)</b>					<b>INTERMEDIATE (151-300)</b>				
Alaster Stewart	—	286	—	—	Paul Aronson	—	691	—	—
Alan Gilmour	—	272	—	38	Eric Mc Intosh	676	684	8	—
Lindsay Robinson	206	221	15	27	Keith Rogers	—	668	—	133
Paul Rawdon	188	190	2	27	Jim Benzoni	—	608	—	107
Keith Rogers	182	189	7	17	Paul Rawdon	573	585	12	136
Jack Searle	185	188	3	20	Jim Gorman	—	574	—	81
Leigh Morris	182	185	3	34	Alan Gilmour	—	529	—	111
Gunter Jacob	170	173	3	34	<b>SENIOR (301-500)</b>				
Paul Ramsay	160	165	5	5	Cecil Symmes	463	497	34	109
<b>JUNIOR (50-150)</b>					<b>JUNIOR (50-150)</b>				
Peter Jones	138	143	5	8	Steven Greenyer	447	469	22	140
Mike Smith	127	132	5	11	Lance Johnson	439	447	8	84
Jim Gorman	—	111	—	7	Alastair Stewart	—	391	—	80
Mark Nichols	99	110	11	7	Bill Jolly	362	366	4	77
Steven Greenyer	73	75	2	27	Leigh Morris	328	365	37	131
Alex Wellner	59	68	9	9	Jack Farrow	326	331	5	53
Paul Schnell	—	51	—	5	Mike Smith	301	321	20	74
<b>BROADCAST RESULTS</b>					<b>BROADCAST RESULTS</b>				
<b>GOLD STAR:</b> Keith Robinson, Stuart Forsyth, John Allchin, Eric McIntosh;					<b>GOLD STAR:</b> Keith Robinson, Stuart Forsyth, John Allchin, Eric McIntosh;				
<b>SILVER ACE:</b> Robin Chambers, Stuart Forsyth;					<b>SILVER ACE:</b> Robin Chambers, Stuart Forsyth;				
<b>ACE:</b> Peter Jones, Leigh Morris;					<b>ACE:</b> Peter Jones, Leigh Morris;				
<b>INTERMEDIATE:</b> Stuart Forsyth, Les Boyd;					<b>INTERMEDIATE:</b> Stuart Forsyth, Les Boyd;				
<b>JUNIOR:</b> Mark Nichols, GOLD ACE: Eric McIntosh;					<b>JUNIOR:</b> Mark Nichols, GOLD ACE: Eric McIntosh;				

Just Discovered that I left the new Editor off the BC Intermediate list, Sorry Stuart your total is 213(Jun) 258(Dec) 45 (Inc) 16(Cnt) \*\*\*I forgot the Gold Ace Winner and section....

**SHORTWAVE RESULTS:** GOLD STAR: Ian Cattermole, GOLD ACE: Jack Searle; SILVER ACE: John Campbell, ACE: Peter Jones; SENIOR: Leigh Morris; INTERMEDIATE: Stuart Forsyth, JUNIOR: Les Boyd. Thats it for 1980. You can all Greet the new section Editor from February 81, Stuart Forsyth. Best of luck Stuart..... Ray Babbage.....

I have enjoyed being Section Editor for the last 5 years or so and I thank you all for your cooperation in the past. Keep up the standard for Stuart.

The Competitions committee (P.O. Box 3011 Auckland) requests that any current Ladder Participants who do not have a certificate or sticker reflecting their June 1980 totals to advise. Newcomers since June will receive their certificate in the New Year, as will those who have earned new stickers in the 6 month period. The Committee aim will be to keep awards up to date in the future but we need your assistance & cooperation to effect this..... Bryan Clark.

bits & pieces ⑨ put together by cecil symmes

A TRIBUTE

December 1980 brought the end of an era in broadcasting in New Zealand and Australia. Two broadcasters, both much loved and one in each country, presented their last programmes.

Here in New Zealand 'Appointment with John Gordon' was on air for the last time on 31 December. Originally expected to last one year only, John Gordon, at the age of 82, closed his appointment book for the last time after 16 years. The Overseas Service of Radio New Zealand carried 'Appointment' and over the years John made many friends overseas as well as in New Zealand.

In Australia, it was the end of 'Mailbag' in which Keith Glover had been answering letters from listeners for over 25 years. Like John, Keith made dozens of friends not only in his own country but among SWLs overseas and, when they travelled, he and his wife were welcomed by radio listeners every where.

It is hard to believe that either of you will be content to sit back and watch the glowing embers in the fire - so on behalf of all your listeners we thank you for the pleasure you have given us in the past and offer you our sincere good wishes for your future endeavours.

\*\*\*\*\*

latin american dx

Members are reminded that entries for the special Latin-American DX Competition should be posted to reach the Editor, 'DX Times' by not later than 31 March 1981. Details were published in the February 1980 issue.

\*\*\*\*\*

sw bandwatch

BARRY WILLIAMS, Editor of SW Bandwatch, points out that preparing this section is a long and arduous job and that it would be made a lot easier if contributors would follow the guide lines listed:

1. Use the Bandwatch Forms available from the 'Times' Editor in Wellington. If these are not used write your notes in the exact format used in the 'Times'.
2. Edit out items which appeared in the previous month's issue of the 'Times' unless station is heard in a different time period or you are contributing new information regarding the station.
3. Mistakes - if you make a mistake do not alter it - CROSS IT OUT and write again. Often amended mistakes are illegible.
4. Give full programme and reception details, language etc. The line has to be filled so give the information to do so.
5. Abbreviations - it is preferred not to use these unless necessary due to lack of space.
6. Print or write clearly.
7. Always give the language or languages heard.
8. If you hear a programme give the day heard. It is most likely on one day of the week.
9. List any parallel frequencies announced or heard.
10. List stations in frequency order.
11. Always give your name and QTH.
12. Contribute loggings for current month only. DX information dates quickly.

Barry concludes that if members will keep these points in mind, particularly Item 2, his job will be made that much easier. He also offers his apologies for errors which may have appeared in the past - particularly typing errors - but points out that deadlines do not allow him sufficient time to proof read.

THANKS Barry - I'm sure many of us have transgressed thoughtlessly in the past - I know I have - and I hope we'll do better in future. One personal comment - I'd like to see that actually date of loggings included in the report - you, as Editor, could then decide whether there was any point in including that information in the copy for publication in abbreviated form - eg 310181. ED.

10  
from letters

Ralph Sutton advises that early in 1981 the AFRTS news, sports and information service on SW will originate from the Programming Centre in Los Angeles. Requests for future schedules should be sent to SW Broadcasting, AFRTS Programming Centre, 1015N McCadden Place, Los Angeles, CA 90038. Ralph comments that now that Reagan is to be President, he supposes the balance of power resides in California. And talking of the President, I enjoyed our friend Frank Crow's comments - sadly too long to reproduce here - I'll pass your comments on about payment of subs Frank - and keep your letters coming - even if I can't use them all, my wife and I both enjoy them. And now something different - Mr. Surjan Singh, General Delivery, Post Office, Nadi, Fiji, is an RNZ fan. He would also like to find a pen pal in New Zealand. From an unidentified member comes a warning about the Magna Wave Aerial Booster advertised in the Listener. He believes that the claims are exaggerated as a result of having used one and that members should beware. (Perhaps Tony Marr would care to comment on the feasibility of such a gadget - Ed.). Thanks to Fred Clements for sending 'The Shortwave Magazine' - UK Price of FRG7700M advised as L389 - Memory Unit L84 and a two year warranty. And lastly Jack Searle, Haumoana, urges that we do not despair if replies are slow in coming to hand. He tells of the case of an article ordered from Auckland on 5 Feb and delivered unmarked and in clean condition of 18 Dec. Question: if it takes 10 1/2 months from Auckland to Haumoana - how long from the other side of the world? Jack says his best effort is 11 days from date of posting report till verie in his mail box - R.Sweden.

**BBC World Radio Club** Those who listened to the last two programmes may have found them a little sad. Now, according to 'London Calling' some elements of the W.R.C. will reappear in a new short programme 'Waveguide' with information on frequencies, reception conditions and advice on receivers and aerials. On Thurs. 1709hrs, Fri. 0440, 2155.

going overseas - you may be interested in one of these.

The European DX Conference is to be held in Berne, Switzerland, probably 28 - 31 May. Details from EDXC, P.O.Box 4, St.Ives, Huntingdon, Cambs. PE17 4FE, England. And another one - the ANARC Convention to be held at Thunder Bay, Ontario - 17 - 19 July 1981. Details from Canadian SWL International Club, P.O.Box 142, Thunder Bay, Ontario P7C 4V5.

archives

We learn from Arthur Cushen that the RNZ Archivist in Timaru is now ready to accept the League's archives. Currently these are in Damaru but when cataloguing is completed, the collection will be transferred. The League collection includes receivers of the past, verification letters, cards, station logs, booklets, magazines and so on covering the past 50 years in New Zealand, Much has been contributed by former Southland members of the League including the late Merv Branks, Alex Allan, Desmond Frampton and others. Combined with the historic broadcasts contained in the existing RNZ Archives this will give a much more complete history of radio in the country. Any members who have material they would like to contribute to the collection should contact Paul Ramsay. Also the 'DX Times' would welcome the opportunity of reproducing QSLs or other material of historic interest and members having such material are asked to write to the Editor.

RADIOTELEVISION DE SAHARA

INDICE QUINCENAL DE PROGRAMAS



Radio Voice of the Gospel  
P.O. Box 654  
Addis Ababa, Ethiopia

RVOG NEWS



11  
Happy New Year for 1981 to all members and DX'ers alike. I hope that too much of the Christmas spirit hasn't dampened your DX ardours. Still the mailbag is quite full once again, with this month's highlights being Transkei and Namibia, Iceland and Greenland have surfaced once again and we feature Nigeria this time around.

**COLOMBIA:** Radio Sutatenza, Bogota HJGG 5095 kHz. QSL letter individually typed in Spanish inside an attractive and very colourful folder like an Xmas card depicting a mother & child centered in a circular motif with compass radiating outwards. Full data of QSL in letter sent airmail for airmail rpt in 5 months. V/s illegible. (Jack Searle, Haumoana.) **RADIO NEIVA HJFV** 4855 kHz. Card from Inés Garcia de Durán, Gerente with personal message on the back. (Ray Crawford, Invercargill.)

**Czechoslovakia:** Radio Prague 21705 kHz. Postcard QSL & separate envelope containing small blue, white & red pennant, received same day by air in 3 months for rpt on special test frequency to Asia. (Bryan Clark, Auckland.)

**GREENLAND:** Grønlands Radio Service 12175 kHz. f/data QSL picture posted depicting colourful Autumn landscape. From Foreign Relations Dept. in 8 weeks for rpt with 2 IRC's, of new Euro-Service. (B.Clark.)

**JORDAN:** Radio Jordan 7155 kHz. f/d ltr in 42 days with schedule for EE rpt and 2 IRC's. (Leigh Morris.)

**SOUTH WEST AFRICA (Namibia):** SWABC 4965 kHz. Two colourful picture postcards with full data - format almost identical to Radio RSA. V/s C. Heppe. Also sent complex language and frequency schedule. QSL identifies country name as Namibia. (Bryan Clark, Nice work Bryan, Ed.)

**NIGERIA:** FROM Ibadan 6050 kHz. f/d cyclostyled letter QSL in 8 weeks for rpt with 2 IRC's. Gives sched of new 50 Kw Harris SW Tx as 0430-0903 & 1130-2308 GMT. SW antenna is 100 periodic. MW freq's 575 50 Kw & 657 100 Kw listed, differing from WRTVH. V/s G.O. Olaeshun for Asst. Director (T.S.) (Bryan Clark.) **Ime B/casting Service Owerri** 4755 100 Kw. Form letter verie signed by O.J. Edehasim, For Chief Engineer, received in 6 1/2 months. Address (Not in WRTVH) is P.O. Box 329, Owerri. (Bryan Clark.) **Plateau B/c, Corp. Jos.** Verie letter with full details for EE rpt for 5965 kHz. (Ray Crawford.)

**PORTUGAL:** R. Liberty, Gléria site 25690 kHz. Blue/Ywlløe combined RFE/RL map cd with freq. and date endorsed. In 5 months for rpt to Munich address with 1 IRC. Also sent freq sched for RFE & Liberty, and disappointed to see that tx sites are no longer published. **Deutschlandfunk:** via Sines 7285 kHz. DLF "München" postcard in EE & GG. Rpted March 1977 and reply posted July 1980 from Cologne - my slowest ever reply at 42 months, so unlike the efficient Germans. (Both B.Clark)



**TRANSKEI:** Capital Radio 3950 kHz. Returned my 2 IRC's along with posted QSL, freq sched, sticker & prog sched, for reception report on several weeks listening. In 4 weeks from the Technical Services Dept. in Johannesburg. Gives current sched as: 3950 0300-0530, 1600-2300; 7235 0400-1700 & 9765 0530-1600 (Bryan Clark. Ta! Ed)

**URUGUAY:** SODRE 11835 kHz p/d card in 6 months by registered mail from v/s Jorge Cubile, Director. (Leigh Morris.) Well that's it. Thanks to all contributors and remember next deadline is the March issue. See you then. 73 Section Ed. Dene Lynneberg.





## ON EQUIPMENT

(12)

One thing to watch for is the performance of the receiver after a strong burst of static. Some receivers tend to have problems in their AGC design here and after a very heavy static crash the gain of the receiver stays reduced for longer than necessary making the receiver sound dead for a brief period after the noise. It's during this time, of course, that the station ID which you've been waiting for comes up. You can check this by creating your own noise burst - one way is by tuning to a weak signal and then turning a light on and off in the same room. The click of the switch contacts should simulate a sharp burst of noise and you will be able to see how quickly the AGC recovers after it.

Stability is another important aspect of the receiver's performance and is greatly improved these days compared with the earlier days of valve models. A number of sets these days use drift cancelling circuitry which allows for drift to occur but, magically, doesn't let it affect the tuning of the receiver. To check the stability tune to a station you know to be stable itself - WWV is more than adequate for our purposes - turn on the BFO or product detector and tune it for zero beat. Any drift will be easily apparent as it will drift off zero beat.

Frequency read-out is, or course, very important also and these days direct digital read-out is fast becoming the norm. Don't take it on its face value though. Make sure it is accurate and check it on several spots along the dial too - not just one. Also if you're keen on taking part in DX-peditions where you'll be operating you equipment from batteries, it will be well worth while to make sure that the frequency read-out can be turned off as it is the most hungry part of the receiver in terms of what it draws from the batteries. So as well as the digital read-out it's very handy to have a good, accurate, calibrated dial as well for reference when you're not running the read-out.

The tuning range of the receiver is another aspect to consider. Your own preference in your DXing will dictate whether you need a receiver which performs well on both medium and shortwave or perhaps just one or the other. Quite a number of the modern models tend to perform very poorly on medium wave so be sure to check this before you buy. There are some very good receivers to be had from the amateur or ham radio field. Many of these don't tune the whole shortwave spectrum but this may be of minor importance when you compare their other specifications. Many of these receivers can be 'programmed' for a number of 500 kHz segments of the shortwave spectrum and they make very good receivers for the serious DXer.

So far we've considered a number of different details of what to look for in a receiver but it would be foolish to expect to find the 'ideal' receiver at any price range which most of us could afford. But there are good buys and bad buys to be had. Don't be fooled by appearances. Keep these things we've discussed at the back of your mind when you're reading the 'specs' of the latest super DX machine and maybe you'll be able to interpret the mumbo jumbo a bit better. Vague statements in the technical part of brochures offer points to a lack in the receiver in question. Be warned ..

Any queries readers may have arising from these articles are most welcome and I would be pleased to answer them in this column.

Tony Marr

AND ON EQUIPMENT - Excerpts from an article by Al Sizer (Friendx -11/80?)

'If you think top equipment will enable you to log countries and stations other DXers in your location with your level of know-how won't be able to hear, you are mistaken.' AND 'A device that will enable you to lock in a frequency and set a timer to log a station that comes on while you are sleeping? Is that DXing?' AND 'So I guess my message is this. It isn't the equipment so much as what you do with it - and the fun you have with it.' .....

## Shortwave Mailbag

(13)  
with BILL HUDDLESTON, Auckland.

With the start of a New Year we welcome a new member, Russell Winter of Invercargill with his first veries. Maximum daylight hours have come and gone, and verifications would seem to have reached a minimum. A few African veries coming foward are from ELBC and ELWA in Liberia, along with South West Africa, Malawi, and Zimbabwi. Good to hear from our overseas members in Los Angeles, and Papua New Guinea. The column looks foward to a full year of reports and comments, and will foward replies were required. Lets start the year with our new member.

Russell Winter Invercargill has 17 reports out and veries back from HCJB 6130, Moscow 11780, NHK 11875, Vanuatu 3945, RSA 21535, DW 9650, Nederlands 9715, Peking 9860 with lapel badge, good to hear from you.

Paul Edwards Wellington has QSLs back from Malawi 7130, R.Rumbo Costa Rica 6076.5, Gabon 4777, Zimbabwi, Tx.Paul.

B L Murray Invercargill is having a quiet time with no reports out, but veries back from DW 7130, HCJB 9745, Norway 11850, BBC W/S ---?, RA 15115.

Frank Crow Los Angeles has reports out to RSA 11900, NHK 9505, HCJB 11915 9745 with veries back from Kol Israel 15584, RA 21650 6060, I understand R. Australia now only verify one month per year, that being November.

Cecil Symmes Wellington has no reported loggings, but QSLs back from NHK 21610, Nigeria 3326, DDR 21465, Nicaragua 5950, Ghana 4915, DW (Audience card) 21680, RM Aruavir 15180 Irkutsk 21530 Khabarovsk 7245, Thanks.

Barry Williams Auckland is pleased to get a verie back from ELBC Liberia 3255, along with SWABC 4965, Vladivostok 11750 Ivano-Frankovak 9660, Kingisepp 15320,

Bryan Clark Auckland has veries back from Algeria 21635, Stockholm 15355, RCI 17875, RA Carnarvon 21630, sorry about your BOM entry, to much Christmas spirit.

Quote from a letter from Radio Afghanistan to Jack Searle tells use' Since this time (1963) We have been sending out QSL cards to those listeners whose reception reports are up to internationally requested standards and include IRC! Our QSL will be printed on very pretty postcards, and we will try to provide our listeners with a different view each time. Jack did't receive a QSL. Thanks.

Paul Schnell Parmerston N. has sent two reports out, and the post-man has delivered QSLs from DW 9565, VOA---? RM 9450, 12010, 21590,

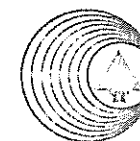
Dene Lynneberg Wellington has veries back from Fujian Front 5770, R. Minsk 7420.

Paul Ormandy Wellington has HCJB back and Vanuatu 7260 for his 163rd country, keep up the good work.

Jack Farrow has 6 reports out and veries back from RN 17605, BBC 7105 11955, Air 15110, Vatican 11830 Peking 17635, with lapel badge.

Stuart Forsyth Darfield has QSLs back from SRI 11715 9725 6135 15430 17795 21630, R Union 6115. How is your Branch doing down there, best wishes for 1981.

Jack Searle Haumoana The postie has brought veries from BTR 15175, Tashkent 9715, VL2UV 1720, Andorra 6220, Ulan Bator 11825, +pennant Many thanks



Radio Lebanon

Beirut

# Shortwave Mailbag

Ian Cattermole Blenheim Has a very interesting list of very interesting list of veries from HGJB 11910 9710 6050, PLA 3400, Moscow 9550 21740 15240 9800 12050, AFRTS 15345 RSA 11900, Iguatemi 3295, RA 15115, Ulan Bator 11825, BBC 15380 7105 7210, AIR 17830, SRI 17750, WYFR 21615, Zhejiang 4785, CPBS 4905, NHK 17785.

Bill Jolly Kawerau has 4 reports out, with no veries back, Postie too busy Christmas cards Bill.

Arthur Cushen Invercargill has been very active with veries back from Swazi CR 4980, Portugal 9765, RN Bonaire 21685, Veritas Asia 15320, R. France International 15360, Peking 9860, Warsaw 7180, Namibia 4965, Guam 11735 Sweden 21690, Moscow 21725 11770 11975, BBC UK 25650 Sackville 9590 Ascension 15105, BBC Far East 15360, NHK (Sines) 11790, R Vemarama 3522, TWK Monte Carlo 11795, Andorra 15028, Sweden 21555, Pakistan 17835, Madrid 9585, RA Shep 21650 21680 21525 21740 RA Carn. 21630 quite a list thanks Arthur.

Arthur De Main Auckland has done little logging, but is pleased to get his veries back from ELWA Liberia 4765, Sierra Leone 5980, AIR 15110, Tx.

Tim Austin Bluff Has QSLs back from Rumbus 4970, Peking 11515, HCJB 6070, Lebanon 6550, RA 9580 17725 15115 9570, along with calenders from many countries. You would seem to have made good use of your school holidays Tim I agree your school cert must come first good luck with your studies.

John Mainland Wellington has veries back from IBRA Malta 9510, IBRA Sines 11745, Kaduna 4770, Capital 3950, RA-1 6045, Ulan Bator 11825, Vila 7260, WYFR 6070 9695 11810 5985 11740.

Terry Shenhan has just the one verie back from Radio Australia 6045.

Lindsay Robinson Invercargill made 3loggings and received QSLs from Nigeria 15120, NHK 21610, RN Hilversum 17605, WYFR 21525.

Jim Webb Manukau has veries back from FEBC 11890, HCJB 11835, Nederland 9895, N.Korea 9977, PNG 3905, Portugal 9575.

## BEST OF THE MONTH

### Under 9 MHz.

Ghana 4915 KHz.  
10Kw 122 Points  
Cecil Symmes Wellington

### Over 9MHz.

Andorra 15028KHz.  
10Kw. 106 Points  
Arthur Cushen Invercargill

Correction to last months BOM. which should have read, Radio Dublin 6315 KHz 200watts 139Points. Bryan Clark.

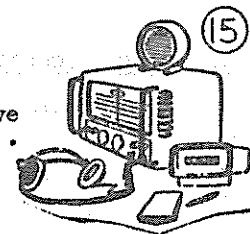
Ernan Webb Upper Hutt has been a very busy boy with 105 reports out and veries back from RN B-6165 L-9895 B-9715 9770 21685 M17695, NHK 17880 21610, RNZ 11675 HCJB 11900 15295 15300 17790 17825 21480 26020, IBA9009 11637 15582 21710, Vietnam 10040, Peking 9860 15280, ORF 15155 15560, REE 11840 11880, IBRA 9670. wait till all the rest come back. Tx.

Jim Gorman has 16 reports out and veries back from RFI 15315, RM 9800 12050, ORF 17830, Tashkent 9540, HCJB 15180, BRT 26050, RA Shep 9505 11770 11865 15115, plus a post card from ELWA for a report on 4765. Thanks Jim.



# SHORTWAVE BANDWATCH

with BARRY WILLIAMS of Auckland



A happy New Year to all and I trust the Summer holidays gave members an opportunity to spend a little time at the dials. From members reports this month it seems there is not much of interest on the bands at present. It is generally accepted that the Summer months are the quiet ones for SW DXing and used to be the time when DXers concentrated on North American Broadcast DX.

For some, Summer is a time when one rests from serious DXing. Time off for a break from the radio, refreshing oneself for renewed activity on the SW bands later in the year when they start improving on the lower frequencies.

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

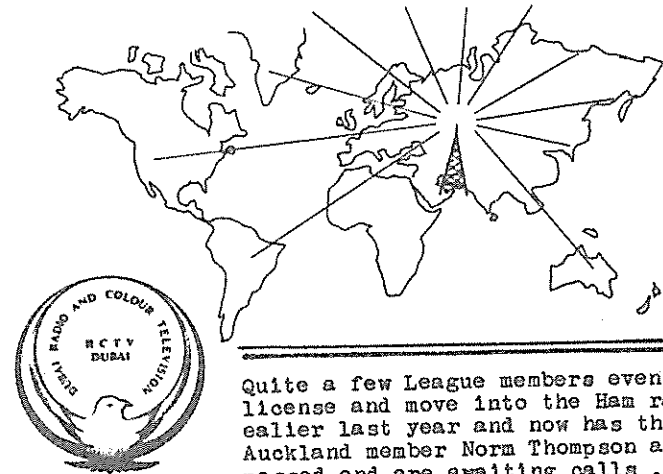
FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITI
3220	0930	Ecuador	HCJB	Poor but hear clear ID. Finally logged after 12 months listening /	OC
3355	0820	NEW CALEDONIA	Noumea	, French with Pop music. Poor Decl9	CS
3945	0825	Vanuatu	Vila	, Fair with Commentary in French.	CS
4380	0930	CHINA	Fujian Front	, Good in Chinese.	TA
4832	0815	COSTA RICA	R.Reloj	, Fair with Spanish prog. LA music	CS
4840	1030	CHINA	Fujian Front	, Good in Chinese.	TA
4875	0740	COLOMBIA	R.Super	, Spanish LA music. ID 0745, Fair	CS
4895	0800	BRAZIL	R.Bare	, Fair with SI in Portuguese,	CS
4945	0810	COLOMBIA	R.Colosal	, ID 0815 / Latin American music	CS
4950	1434	SARAWAK	R. Malaysia	, News in English.	FC
4968	1742	SRI LANKA	Colombo	. Concluding transmission with full details in English. S/off with anthem, Good sig/ 1725 fair in English but severe CW QRM.	BC
4980	1738	KASHMIR	Azad Kashmir	, Fair at s/off 1803.	J&S
4990	1800	NIGERIA	Lagos	, Regular good signal with English news.	BC
5020	0820	SOLOMON IS.	Honiara	, Good with usual Pidgin program	CS
5026	1743	UGANDA	Kampala	, Good clear signal with talks in English	BC
5045	0820	COOK IS.	Rarotonga	, Fair signal Request Prog. Maori.	CS
5170	0930	CHINA	Fujian front	. Chinese. Also noted on 5240, 5265, 5770, 5900, 6005, 6400, 6765, 7025, 7850, all heard around 0930 - 1000.	TA
5945	1400	USSR	R.Tashkent	, Excellent signal in English.	AC
5950	0518	NICURAGUA	La Voz de Nicuralua	, Good in Spanish.	JS
5950	0605	GREECE	Kavalla VOA	, Good with English news.	JS
6030	1400	USA	KGEI	, Opens in Japanese.	AC
6060	0706	ARGENTINA	LRA	Spanish ID and music.	FC
6060	1437	AUSTRALIA	RA	, Good with English transmission.	FC
6065	1200	CANADA	CBC Northern Service	, Fair at 1128ns/on CBC Eng. news Artic weather.	OC
6080	0802	USA	VOA Grenville	, Heard with Xmas program.	CS
6110	1825	HUNGARY	R.Budapest	, IS and Stat.ID then program Turkish.	CS
6155	0658	AUSTRIA	ORF	, Fair with ID in various languages.	CS
6165	0700	SWITZERLAND	SRI	, Good in English.	PP
6185	0510	PORTUGAL	Lisbon	, Fair with English news.	CS
6210	0630	VATICAN	Vatican Radio	, Strong with Latin Mass. // 7250 khz also with strong signal.	JG
6550	1815	LEBANON	Voice of Lebanon	, English Service, news, regular	BC
6576	1820	KOREA NORTH	R.Pyongyang	, Good with program in French	TA
7203	0930	KOREA NORTH	R.Pyongyang	, Good in Russian	TA
7205	1630	GREECE	VOA Rhodes	, Fair with English ID then Turkish	CS
9420	0930	KOREA NORTH	R.Pyongyang	, Good in French.	TA
9425	2000	ISRAEL	IBA	, In English better than // 9009 & 9815 khz	PP



FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITI
9485	0430	ALBANIA	Tirana	Poor with English news and commentary	CS
9505	2040	AUSTRIA	ORF	Fair after RA closes	AC
9505	1505	JAPAN	R.Japan	News in Japanese 1515	FC
9545	0645	SOLOMON IS.	SIBC	National news	FC
9560	0900	SWITZERLAND	SRI	English news, good signal	CS
9590	0230	BONAIRE	RN	Opens to NA with the news	FC
9605	1440	PHILIPPINES	R.Veritas	New Year program in English	CS
9615	1130	PHILIPPINES	R.Veritas	Poor copy with station ID in English	CS
9645	0700	VATICAN	Vatican Radio	Good with "Four Voices" English	JG
9650	0700	FINLAND	Helsinki	Strong in local Service s/off 0730	AC
9665	0500	BULGARIA	Sofia	Fair with IS & stat.ID at s/on Lang.?	CS
9670	0700	MALTA	"Ma;ta Calling"	1 hour English Prog. Sats. Good	PPOC
9685	0415	NORWAY	Oslo	English on Mondays. QRM from Moscow	AC
9695	0500	USA	WYFR	Strong with Bible Readings in English	JG
9700	0600	GERMAN FED.REP.	DW	Good with English to Africa	PP
9725	2030	TURKEY	Ankara	Poor signal with English. New freq.	AC
9795	1605	USSR	R.Moscow	Heard with news. QRM 'Russian Woodpecker'	FC
9760	0800	ECUADOR	HCJB	At times over RA. Testing new 500KW TX?	JG
9780	0500	YEMEN	Sanaa	Fair in Arabic, music	LR
9815	0000	ISRAEL	IBA	Opens to NA with news	FC
9935	0500	USA	APRTS	Heard in SSB with news. (Feeder station)	LR
10080	1100	VIETNAM	Hanoi	Good in English. News heard including details of Christmas church services	JW
11040	0930	CHINA	Peking	Good music, fair signal. Also heard on 1100 and 11600 with English lessons 0919	JW
11637	0000	ISRAEL	IBA	News // 9815 & 7412 khz	JC
11700	0500	DOMINICAN REP.	R.Clarin	closing after many IDs in SS Heard 0213 with good sig. popular music and talks to past 0400 .ID as R.Clarin en el corazon del pueblo	AC
11720	0705	HOLLAND	RN	Fair with English newslines	BC
11720	0950	CHINA	R.Peking	English. International Affairs commentary	CS
11720	0500	LESOTHO	BBC	heard with fair signal to s/off 0700. (Have since received BBC QSL but no site entered on it.)	CS BW
11725	1121	USA	VOA	World news, good	JW
11735	0330	FINLAND	Helsinki	English to NA. Fair signal	AC
11735	2030	BULGARIA	Sofia	opens in English. // 11765, 15330 khz	AC
11735	2020	MADAGASCAR	RN	Stat.ID 2030. Indonesian	CS
11760	0440	CUBA	R.Havana	English. LA music. ID 0445	CS
11775	1115	ANTIGUA	BBC	'World Radio Club' English poor	CS
11810	0821	KOREA SOUTH	Seoul	Fair English. Commentary	CS
11825	0545	TAHITI	R.Tahiti	Island music	FC
11840	0920	GUAM	KIWR	Good in English. Bible Stories	CS
11845	0300	CANADA	RCI	News and music. Improving signal	PJS
11850	0930	GERMAN FED.REP.	DW	Fair in Asian Service, English news	CS
11855	0900	CZECHOSLOVAKIA	Prague	English news on Asia, poor	CS
11890	0940	PHILIPPINES	FEBC	Religious prog. English	CS
11900	0822	ECUADOR	HCJB	Religious Program. English	CS
11905	0600	GERMAN FED. REP.	DW	Good with English to Africa // 9700	PP
11905	1935	CANADA	RCI	English DX & Mailbag, Sundays, Good signal	PP
11930	0400	CUBA	R.Havana	English news & commentary, Good	JG
11940	1900	ROMANIA	Bucharest	Fair opening in Spanish	JS
11940	0945	SINGAPORE	R.Singapore	Music & commercials, Fair in EE	CS
11945	0425	SPAIN	Madrid	RNE, ID in Spanish. Good /	CS
11945	0530	NEW ZEALAND	RNZ	opens transmission to Pacific	FC
11980	0015	BELGIUM	Brussels	English to 0100. ex 11700 khz	AC
15033	1815	ALGERIA	Algers	French Service with pops. Neww 2000. heard to, past 2230. Also heard 0630. English lessons 0910 Sundays. English news 2100. "International Service"	JS BC
15060	1845	SAUDI ARABIA	Djeddah	Arabic commenatry & music, fair	CS
15084	1845	IRAN	Teheran	Fair in Farsi. Also heard 0605 good.	CS

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITI
15100	0650	GERMAN FED.REP.	RBI	heard with fair signal	PS
15110	2155	INDIA	AIR	Fair with English news	JG
15115	0737	AUSTRALIA	RA	Very strong signal with Mailbag	PJS
15120	1500	VATICAN	Vatican Radio	Opens English Service	FC
15125	1935	BRASIL	BRAS	Very good in English	JS
15130	0600	USSR	R.Moscow	World news in English. Strong signal	PJS
15135	0040	PHILIPPINES	R.Veritas	with DX neww English good	JG
15160	0953	GERMAN FED.REP.	DW	DX program plus Xmas items	JW
15180	0915	FRANCE	RFI	news & music in French	JG
15195	0801	JAPAN	NHK	Fair with General Svce. English news & comment.	PP
15205	0450	USA	VOA	"Breakfast Show" & "Africa Safari" .off 0730	PJS
15245	0222	ITALY	RAI	Good with music, Italian	JG
15265	0844	FINLAND	Helsinki	Xmas music plus interviews with staff English "Sunday Best" good. // 21465 khz	JW PP
15270	0301	TAIWAN	VOPC	News	FC
15290	2308	PHILIPPINES	VOA	World news, good. English	CS JW
15290	0230	BRASIL	R.Bras	Poor - fair with QRM, improving	TA
15315	0130	BONAIRE	RN	Spanish news, Very strong	JG
15335	0645	ROMANIA	Bucharest	Signal only fair copy	PS
15335	00005	COLOMBIA	R.Nacional	Fair Spanish. Good ID 0230	OC
15360	0420	ASCENSION	BBC	English	CS
15375	1945	EGYPT	Cairo	Good news with English neww to Africa, Sats. 2117 with World news English Fair	OC JW
15395	0400	AUSTRALIA	RA	Cricket test // 21570 at times	JG
15400	0310	SEYCHELLES	FEBA	Strong in Farsi, Xmas carols	JG
15400	0620	ASCENSION	BBC	Fair with World Service	JW
15425	1100	USA	VOA	Very strong English. "News Roundup"	PJS
15510	1930	PAKISTAN	R.Pakistan	VG in French // 17645 also VG	JS
15560	1425	MADAGASCAR	RN	Dutch to close 1425	AC
15570	0240	KOREA SOUTH	R.Korea	Fair in English	JS
15605	1200	ISRAEL	IBA	English Service to Pacific & SEAsia, Domestic	CS PP
17612	1229	ISRAEL	IBA	Poor in English to Europe // 15605 khz	PP
17665	1007	PAKISTAN	R.PAKISTAN	Good with news in English. 0640 Cricket Pakistan/West Indies Good	JW JS
17685	2020	ISRAEL	IBA	"DX Corner" Mondays. Fair	JS
17695	2052	HOLLAND	RN	"Happy Station" fair signal	PS
17720	0735	FRANCE	RFI	Strong, musical program, French	JG
17785	0300	JAPAN	NHK	News and Current topics. Poor, English	JW JG
17790	1930	ECUADOR	HCJB	Fair with English to Europe	PP
17810	0408	PHILIPPINES	FEBC	Gospel "World of Hope" English, Fair	TA JS / JW
17810	1900	BRASIL	R.Bras	Good English	TA
17830	0215	BRASIL	R.Bras	Good program in English	TA
17845	2245	USA	WYFR	Very good in English to W.Africa	JS
21465	0702	GERMAN FED.REP.	RBI	ID then "Trip Round the GDR"	PS
21470	0918	GT, BRITAIN	BBC	English // 21550 khz	CS
21475	1430	FINLAND	Helsinki	Opens to NA in English. Heavy QSB	FC
21500	0700	AUSTRIA	ORF	Ex. in German	CS JS
21520	0922	SWITZERLAND	SRI	Fair in English	CS
21530	1000	SAUDI ARABIA	Djeddah	with Koran Service // 21440 khz	AC
21530	0700	USSR	R.Moscow	World news and again 0800. Very strong	PJS
21535	0630	SOUTH AFRICA	RSA	English to 0727. Good to 0700 0425 IS with IDs in English & French	PP CS
21540	0940	RWANDA	DW	Neww & Commentary, English, Poor	CS
21545	0700	KUWAIT	R.Kuwait	Good English. Top 40 program	LR
21570	0927	AUSTRALIA	RA	Carnaveron, English neww and music, fair	ES
21610	1100	SWEDEN	R.Sweden	new frequency replacing 21690 khz Good in English 1100	AC PP
21620	0840	FRANCE	RFI	French, news, sports, music, comment	JG

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION	D FAILS	INITIS
21625	1000	BELGIUM	Brussels	Dutch ex 21465 khz . // 26050 khz		AC
21630	1100	SWITZERLAND	SRI	Weak on African transmission		JW PP
21650	0253	AUSTRALIA	RA	Pop music the ID 0300 .// 21680,21740 khz		FC
21670	0435	PHILIPPINES	AFRIS	Poor with English news .		CS
21685	1913	BONAIRE	RN	Strong opening in Dutch .		JS
21710	0843	GT.BRITAIN	BBC	English . musical program .		CS
21745	0830	SPAIN	R:Liberty	Fair Russian . On top of jamming .		JG
25790	1438	SOUTH AFRICA	RSA	English . Fair at 1810 .		FC CS
25880	1820	USA	VOA	Bethany , Spanish closing 1830 with EE ID , Fair		CS
26000	06000	PHILIPPINES	AFRIS	good to past 0900 . 0930 fair		AC CS
26000	2215	USA	VOA	good in English .		TA
26040	2030	USA	VOA Grenville	VG in English . 1835 Fair to Africa		JS CS



Used all contributions this month and only got this far . My thanks to to following ;  
 CS Cecil Symmes , JS Jack Searle  
 TA Tim Austin , AC Arthur Cushen  
 PJS Paul Stringer  
 JG Jim Gorman , JW Jim Webb  
 PP Peter Palmer ,  
 LR Lindsay Robinson  
 BC Bryan Clark , OC Owen Cullen  
 BW Barry Williams  
 PS Paul Schnell .  
 FC Frank Crow of Los Angeles .

Quite a few League members eventually gain their radio amateur license and move into the Ham ranks . Len Rose of Whangarei passed earlier last year and now has the call ZL1BE . From the last exam Auckland member Norm Thompson and Waikato member David Munn both passed and are awaiting calls . An ex League member of some years ago also passed his Grade 3 ; Ray Pritchard . Some of you old timers may remeber Ray . If any League members are active on 80 meters drop me a line to arrange a sched . Barry ( ZL1ACZ )

Fortunately Cecil Symmes sent in some additional notes this month which have come in very handy for filler . Cecil has monitored Radio Moscow on the following frequencies . Program being World Service ;  
 5920 , 7440 , 7380 , 9450 , 9550 , 9750 , 9780 , 11860 , 11950 , 1210 , 15130 , 15305 , 15140 , 15540 , 17880 , 21450 , 21530 khz .

Cecil also noted the following PNG stations during the 1 - 8 December period .

0845	3322	North Solomons	0915	3290	Central
0847	2340	West New Britain	0920	3245	Gulf
0852	2428	New Ireland	0925	3220	Morobe
0859	3385	East New Britain	1005	2410	Eastern Highlands
0905	3360	Milne Bay	1010	2450	West Highlands
0910	3305	Western	1015	2468	Northern Districts
0912	3275	South Highlands			

So until next month we say good listening and let us know what you are hearing .

This month marks 20 years of a regular DX session on Radio New Zealand, first broadcast in January, 1961 as part of Cleve Costello's 'This Radio Age', the DX contribution from Invercargill has been broadcast ever since. This month highlights include new frequencies for English from Finland, Kuwait and Sweden; Belgium and Turkey on new channels and the return of Radio Clarin. This is part of the broadcast on Radio New Zealand January 19, 1981 at 0430 GMT 15485, 17860 and repeated 0745GMT 11945kHz. All times GMT, 13 hours behind New Zealand Daylight time, frequencies in kilohertz.

**AUSTRIA:** Vienna using 9505kHz 2000-2200GMT replacing 9670, but signal blocked by Radio Australia up to 2030, then received at fair strength in French.

**BANGLADESH:** Dacca has been heard on 21785 replacing 21685 with an English broadcast from 0445-0515. The same programme is also broadcast on 15400 kHz.

**BELGIUM:** Brussels has appeared on 11980kHz with an English broadcast 0015-0100GMT. This is beamed to North America. Another new Brussels frequency is 21625 and this one heard broadcasting from 1000GMT in Dutch in parallel with the frequency of 26050kHz. The transmission opens 1000 in Dutch but on Sundays sign-on is at 0800GMT. 21625 replaces the old channel of 21475.

**DOMINICAN REPUBLIC:** Radio Clarin has been heard again on 11700kHz broadcasting in Spanish until closing around 0500GMT. Some interference on the frequency from a Radio Moscow Home Service.

**FINLAND:** Helsinki a new frequency in English to North America has been observed and the station noted on 11735. The transmission in English is on this frequency 0330-0400GMT. Helsinki on 9650 noted with a broadcast opening at 0700GMT in Finish to 0730. This frequency provides the best of three carrying the transmission.

**KUWAIT:** 11650kHz is a new frequency for Radio Kuwait having moved here for the English transmission 1800-2100GMT. The broadcast replaces 11665 and also carried on 15345kHz.

**LESOTHO:** A verification letter from the Senior Engineer of Radio Lesotho gives the address as Box 552, Maseru 100, Lesotho. The station has been heard with BBC news at 0500 on 11720kHz on a regular basis.

**NORWAY:** Oslo on 11920kHz 0500-0630, this transmission has English 0600 to 0630 on Monday but is mixed with Radio Moscow Home Service.

**PHILIPPINES:** The AFRIS programme is now heard on 26000kHz 0600-1400; 0015-1600 and 1400-1900 21670; 1900-0015 15385. AFRIS plans to move from Washington back to the old Los Angeles address this year.

**ROMANIA:** Bucharest broadcasting to Africa operates in English between 0530-0600 on 11840, 15235, 17790 and 1730-1800 on 11805, 15340 and 17720kHz.

**TURKEY:** Ankara Turkey broadcasts in English between 2030-2130 on 9725, and between 2200-2300 7215, 9725 and 11895kHz. The frequency of 11895kHz gives the best reception here in the South Pacific.

**U.S.A.:** KGEI San Francisco 6030kHz has been heard in Japanese between 1400-1500GMT.

**U.S.S.R.:** Radio Moscow World Service to Australia and New Zealand is now scheduled between 2000-1300GMT. Between 0600-0900 the best frequencies are 15130, 17800 and 21530 and from 0900-1300 9780kHz gives the best reception. Tashkent broadcasts in English 1200-1230 and 1400-1430 on 5945, 6025, 9540, 9600 and 11785.

**VATICAN:** The Vatican Radio 11715 is heard with four language announcements at 0630GMT, then follows a relay of Mass. The programme is also carried on 6210 and 9645kHz.

# ..sign off..

with JOHN MAINLAND

20

COPYRIGHT BBC Monitoring Service items designated BBC MS are copyright and may not be further reproduced without BBC MS permission.

KOREA(SOUTH) Radio Korea has announced new times for some EE transmissions: the 0100 is now at 0230 on 15570 and 11810; the 0330 broadcast is deleted; 0730 has moved to 0800 on 9870, 11810 and 15570; at 1230 instead of 1300 on 7550 and 11830. Seoul has commenced a DX px in the Friday bc. RCI DX 8/11

GUAM KTWR says its EE broadcast at 1430 is now on 9510. RCI DX 8/11

ECUADOR KCJB has decreased its Japanese service, it is on the air daily 1140-1200 to Japan on 9715 and 6075, 2200-2300 to South America on 17860 and 15295. JSWC via NHK 8/11

AUSTRALIA The 1230-1500 Indonesian broadcast from Radio Australia is on 7260(S-100kW) instead of the scheduled 7225//9640(C-100kW). via Telecom Aust.

YUGOSLAVIA The Yugoslav news agency Tanjug reported on 3rd November that the transmitter manufacturers Radio-Industrija Zagreb(RIZ) would be responsible for the entire construction and assembly of Radio Yugoslavia's planned short-wave transmission centre and antenna system. It was "one of the most complex projects of its kind in the world so far" and was valued at about 400 million dinars. The entire project was planned to be completed in about two years. When the centre is completed, Radio Yugoslavia will have four 500-kW transmitters with which to broadcast its external service in nine languages. Radio Yugoslavia will then be heard in a large number of non-aligned countries in Africa, Asia and Latin America. Its programmes will also be heard in Australia, Western Europe and North America. BBC MS 6/11

SOUTH AFRICA Radio RSA EE: 0200-0300 15220, 11900, 9585; 0300-0430 15220, 11900, 9585, 7270, 5980; 0630-0730 21535, 17780, 9585; 1100-1200 25790, 21535, 15220; 1300-1600 25790, 21535, 15220; 2100-2200 21535, 15155. BBC MS 6/11

SWAZILAND Swaziland Commercial Radio has been conducting tests on 7105 or 9555kHz 0400-1530 GMT // 6155.

R. Ginbey RN DX 13/11

Trans World Radio

PO Box 64, Manzini, Swaziland

WOMEN DXERS All 20 members of the Patna Branch of the Indian DX-Club International are girls, and they would like to correspond with other woman DXers. Interested women and girls can write to: Patna Branch of IDXCI, c/o Biswajit Guha Roy, Flat no.1, "Palit Niketan", Govind Mitra Road, Patna (Bihar), India 800 004. SCDX '78 U.S.A., Mr. Costello III of Louisiana has been granted a license to start an international shortwave commercial radio stn. His request was based on a law dating from 1948 which says that the government does not have the monopoly for international radio broadcasts. Target areas will be Canada and Europe. Media px RN DX 4/12

ENGLAND From the start of 1981 the BBC will introduce two new media pxs, replacing World Radio Club, "Wave Guide" will be broadcast Thurs. 1709, Fri. 0440 and 2155 and in addition "Listening Post" on Wed. 1115, 1715 and Thurs. 0030 GMT. RN DX 4/12

U.S.S.R. External See EE Partial sked: 0700-0730 21740, 21645, 21545, 21530, 21450, \*18653, 17880, 17855, 17805, 17765, 17730, 17710, 15540, 15500, 15460, 15385, 15360, 15350, 15320, 15265, 15240, 15185, 15130, 15075, 12055, 12010, 11980, 11950, 11745, 9750, 9450. 1200-1230 21715, 21615, 21545, 21530, 21490, 21465, 21450, 17880, 17860, 17810, 17780, 17730, 15540, 15500, 15490, 15320, 15305, 15275, 15220, 15185, 15150, 15135, 12055, 12010, 11900, 11820, 11745, 11710, 11705, 9780, 9765, 9450, 7295. 1900-1930 15470, 12050, 12010, 11860, 11705, 11630, \*9905, 9785, 9685, 9650, 9600, 9580, 7440, 7390, 7290, 7225, 6030, 6020, 6010, 5980, 5920, 5900. \*SSB BBC MS 3/12

LATIN AMERICAN REFERENCE MATERIAL A Japanese publication produced by a group of keen DXers who call themselves "Radio Nuevo Mundo", the booklet, 'Latin American DXing', costs 10 IRCs airmail anywhere in the World, is a handy guide for the beginner. Remembering to include return postage write to: Radio Nuevo Mundo, 5-6-6 Nukui-Kita, Koganei-Shi, Tokyo 184, Japan. One of the most recent cassette recordings of Latin American stations is called "Latin America on the air" complete with a guide for what to listen for. If you write please include return postage to this address: Finnish DX Association, S?-02210 Espoo 21, Finland. RN DX 11/12

