

WORLD RADIO**LEAGUE**ISSN
0110-3636

NEW ZEALAND DX TIMES

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

VOLUME 30 No. 7

MARCH 1978

CONVENTION 78 - TIWAI SOUTHLAND

Plans are now almost finalised for the DX event of the year, the League's 1978 Convention at Easter, hosted by Southland Branch. Once again, it will be an international affair, with at least one Aussie making the trip south. Several interesting medium-wave broadcasts especially for the Convention are in prospect - see page 3 for details. Anyone attending who has not already advised arrival details, should do so immediately, to enable meeting arrangements to be completed. Write to P.O.Box 1326, Invercargill. Unannounced arrivals should telephone 87271 Invercargill.

1978 WORLD RADIO TV HANDBOOK

Airmail copies arrived at the beginning of the month. This year's issue is deceptively thinner, but a page count shows 560 compared with 528 in 1977, so much thinner paper has been used. The publication is as indispensable as ever for the keen SWL/DXer, so if you haven't already ordered a seammil copy, ask Arthur Cushen, 212 Earn Street, Invercargill for a brochure/order form. The NZ listing requires the following corrections in the medium wave information. Arthur's advice to the WRTVH Editor appears to have been missed.

ADD 830 1YK (synchronised), 970 1YE, 1010 1ZK and 1ZN now here, private station 1XI on 1330kHz.

DELETE 970 1ZN, 1010 1YK, 1050 1YE, 1440 1ZK, private station 1XI 1590.

CORRECT 1510 callsign is 3YR, not 3JR.

Radio New Zealand's shortwave schedule, as published tentatively on p20 of the February Times, is confirmed as correct for the period to 7 May 1978.

NEW STATIONERY OFFICE

Following the decision of the League's 1977 AGM to decentralise this activity from other Administrative duties carried out in Invercargill, Ted Sutton of Oamaru will be responsible for provision of stationery to League members. Effective immediately, orders should be addressed to Mr E.A.Sutton, NZRDXL Stationery Secretary, P.O.Box 450, Oamaru. Please amend any order forms held.

AWR DX CONTEST RESULTS

Winner of the International Award in Adventist World Radio 'in Asia's recent contest was our good friend Victor Goonetilleke of Sri Lanka. Victor, well-known for his work with the Union of Asian DXers, and on Radio Nederland's DX Jukebox Asian report, logged 35 AWR-Asia outlets on SW, MW and FM, and 4 from AWR Europe on SW. Overseas awards went to Robert Chester of Adelaide with 13 logs and Douglas Doull of Auckland with 7. Some 900 reception reports were received at AWR-Asia and several hundred at AWR-Europe for the contest. Organiser and League member Adrian Peterson rated the even an outstanding success. See page 12 for more news from Adrian re his DX programme.

A NOTE RE DEADLINES - THE POST ISN'T AS SPEEDY AS IT USED TO BE IT SEEMS. CONTRIBUTIONS MAILED AIRMAIL SEVERAL DAYS BEFORE OUR DEADLINE ARE ARRIVING SEVERAL DAYS AFTER. A CHANGE IN CONTRIBUTION DEADLINES IS BEING CONSIDERED, MEANWHILE PLEASE POST YOUR NOTES EARLY. FINAL CLEARANCE FOR APRIL IS 5pm MONDAY 3rd. LET'S HEAR FROM YOU AT BOX 2956. DON'T FORGET LADDER TOTALS!

FROM THE BRANCHES

WELLINGTON Branch notes -
see page 11.2

SOUTHLAND The February meeting was held at Frank Glen's at Myross Bush with 18 present, President Steven Greenyer welcoming 3 newcomers to the meeting. Discussion included finalisation of Convention matters, a meeting planned for the League Country List Committee, details of DX being heard, and a letter from branch member Neville Henry, currently in Saudi Arabia, was read to the meeting. The next meeting will be at Arthur Cushen's, 212 Earn Street, Invercargill on Tuesday 28 March. Competition Results: Broadcast Ray Crawford HJRQ 1540 2.5kw and Toulouse 944 300kw. SW Arthur Cushen RBI 11875 500kw and Steven Greenyer Radio Xapuri Brazil 3411 1kw.

OTAGO The loss of Ian Rush last month was a great shock to all of us. Ian was a former branch secretary and one of our most enthusiastic and active members. See obituary below. The February meeting was held at Ash's place on the 24th. 4 members were present, and 1 apology was received. A very welcome addition was Arthur Williams of Invercargill. Numbers were boosted by the arrival of several ham operators complete with rig. 3 Frogs, a Sony, Stephen's Courtenay and 2 loops completed the array for our all-night listening session. Vantage points were set up around the house and the night was a great success. New member Bill Sullivan was farewelled prior to his departure for New Jersey USA. Hope you keep in touch Bill! Advertising through the Otago Daily Times has resulted in several enquiries and 2 new members to date. The next meeting will be at 7.30pm on 30 March at Kirk's place, BCNZ transmitter site Highcliff, followed by a tour through the grounds and transmitter hall. Last one to arrive climbs the mast!

NORTH OTAGO The February meetings were held at the Listening Post. 11 junior members held a lively meeting, including a DX questionnaire, logging of Radio Avon, and proposals for a DXing family camp which was discussed further at the seniors meeting. Richard received his log book, logging HCJB, while Paul and Richard tied for the Junior B.O.M with KFBK Sacramento. The two Paul's will produce the 'Dial News' from now on, following Paul O's return from his course in Dunedin. The branch picnic was held at Gemmells Crossing and enjoyed by those present. A DX Family Camp will be held at Camp Iona 9/10 September and further details will be given later. Next months meetings will be held on 16 March, the Juniors at 6.30pm, the Seniors at 7.30pm.

CANTERBURY The February branch meeting was held at David Ricquish's on the 19th, with 6 attending. A special welcome was extended to new member Jim Stewart. There was much discussion on the attendance of meetings and it was decided to send a letter to all local members advising them of the next meeting, to be held at the Spencerville Bach, 773 Lower Styx Road, at 7pm on 20 March. A discussion of proposed social functions will be held, and members are asked to return any cups or tankards to the meeting for checking purposes.

AUCKLAND The February meeting was held on the 26th, with a good gathering of 15 members and 3 apologies being accepted. During general business it was decided that a branch newsletter should be sent out every 6 months, and that no branch competitions be started at this stage. The form and function of branch meetings was also given wide thought, and at the March meeting a talk will be given by senior members on how to construct a reception report from a taped programme in English and a foreign language for newer members. Events at future meetings were discussed widely, and a progress report on the branch DX site given. Later, Bryan Marsh treated members to a review of National's new digital readout DR-48 receiver (also known as the Proceed 4800) which was brought along to the meeting on loan from Miles & Carlaw Duty Free Store. Special thanks to Bryan for making these receivers available for perusal by members. The next meeting is earlier in the month due Easter - on 19 March.

I A N R U S H

We regret to announce the sudden death of Otago Branch's former secretary Ian Rush, as the result of a car accident on 9 February 1978. Ian, an apprentice electronics technician, was a keen participant in branch activities and also maintained an interest in CB, model engineering, trail riding. The League was represented at the funeral by Ash Nallawalla & Kirk McMillan.

BROADCAST DX

por los personal necesario.

3

Big news this month is a special broadcast from Southland for the Tiwai Convention. Thanks to the effort of Mr Peter Lankshear, B.C.N.Z. Radio 4ZA will test their Emergency Transmitter on the morning of Sunday 26 March from 12.01 am until 12.20 am (that's 1301 until 1320 Saturday GMT) on 820 kHz. The Emergency transmitter has a power of 1kW and is located in the centre of Invercargill. The transmission will consist of Tones, music and I.D. The transmission will use the call of 4ZA/E and correct reports will be verified as being for reception of this call.

Another possible " Special " will be a test transmission from 1XX Murupara on 1240 kHz split from Whakatane. Keep a watch on this after normal close down over the Easter period.

Finally in this line, keep a watch on the TONIGHT SHOW over Easter, Saturday or Sunday night around 9.00 pm for Convention Dedications.

One of our contributors writes to ask who Edits the B.C. pages. There is no one special Editor for the B.C. pages as the work is done as a Southland Branch effort. Most members of the Branch contributing to the work one month or another. The nearest to an Editor is Sutton Burtenshaw who is only responsible for seeing that someone carries out the necessary work.

University stations in Auckland, Wellington and Christchurch have all been heard by members, news is that the Broadcasting Tribunal did not receive an application for a warrant from the Hamilton Student group.

Local all night station 4YZ was off the air last week for modifications to the transmitter system pending a frequency change, so keep an eye or ear on the all nighters for a possible close down at midnight. This also brings to mind the fact that many stations will be changing frequency at the end of this year so now is the time to log them on the 10kHz spacings.

Lastly is news of a new station to open in Sydney, 2WS Western Suburbs, is the first new commercial station to open in Sydney for 46 years. Frequency is 690 kHz with 5 kW due on in October.

MAILBAG.

Philip Brooks Wanganui. Tells of a very successful DXpedition to Te Araroa with logs of CFUN, KUDE, KGIL, KRUN, KTNQ, KOMO, CBK, CJVI, KFI, KSL, KPOL, CKWX, KCEY, CKDA, WHAS, KIKI, KFH, WCAU, KEEN, KRMG, KMJ, KSO, KOOL, CKLG, and 2AP. QSLs in from KUH, KOGO, KGIL, KUDE, KELI, KUAI, KGU, KPOI, KFI, KIKI, KFCR, CKNW, CFUN AND CBK.

Ian Cattermole Blenheim. Logs KHVH, KIRO, KGMB, KOOL, KPOI, XEGM 2ZE, 4QS. Veries from KHVH, 2ZE, and KOOL.

Ash Nallawalla Dunedin. Has only veries in from 4ZJ and 2ST.

Arthur Williams Invercargill. Has one QSL from 4ZJ.

Robin Chambers Opunake has reported KUH (again), WSZD, DWBL & 7SH. QSLs from KTOM, 2XN, 2CC, JOWF, KWIL, KYAK, KLIF & KDWN. Yr letter post-marked 8pm 3/3 recd 9/3 Robin! Trail held for next time. 1155 is Cairo. BC

John Campbell N.S.W. Has been busy with 46 reports out and QSLs in from 4CD, 4TO, CHRB 1280, CJVB, JOIR, KGMI, KOFI, KPMC, KNBR, KRLL, KTOM, KYOS, WHAM, Salisbury 584, Nairobi 611, and lastly D.Garcia 1475.

L. Mathieson Paeroa. has QSLED 4QL, 4QB, 3NE, 1XI, 1ZN, 1YE, and 2WL. Reports out to Suva 710, 2NZ, 2CA, 3BD, 7HT, Sam and Active, KEX, 4GY. Thanks.

Harry Weatherley Mt. Waverley, has more Yanks in logs of KXXR Test, KGO, MOXR, KSRO, KIRO, KYAC, WSMB, WGN, KONA, KGU, KIVM, KNUI, KKON, KABL, KOMO, KYOS, KKIS, KYA, KRAK, also XEGM, and a second to Vila 1420. Veries in from KPLS, KIDD, KGAL, KSDO, KDWN, KCHO, KRED, KMEN, CFUN, KAIM, KIPA, KZOO, KHVH, KPOI, KTOE, KCCN, KOHO, WTAI, WSDL, KHSL and KBBX. Some good uns,

Arthur Cushen Invercargill advises QSLs from XEUR 1530 & 4ZJ 1320. Mersing 1055 & 3MT 720 (4YZ off 2/3) reported.

CAN-AM REPORT

4

NEW STATION APPLICATIONS

900 NH Nashua D1 1000w
1000 AR Horseshoe Bend D1 250w
1080 PA Huntingdon D3 1000w
1340 AL Selma U1 1000/250w
1490 WA Grand Coulee D1 1000/250w
1550 GA Vienna D1 1000w

CONSTRUCTION PERMIT APPLICATIONS

720 KDWN-NV U2 50000/50000w
860 WAZE-FL U4 1000/1000w
1190 KEZY-CA U4 10000/1000w
1280 KMAS-WA D3 2500w
1300 KWCK-AR D1 5000w
1360 KKEBJ-MN U2 5000/2500w
1450 KVEN-CA U2 5000/5000w

CONSTRUCTION PERMITS GRANTED

790 WETB-TN D1 5000w
1420 KUHL-CA U2 5000/1000w
1520 KMAV-KY D1 2500w
1600 WIXY-MA U4 5000/2500w

C P C TEST

710 KIRO Seattle Wash., 1030-1430 GMT, Monday March 20. Proof of Performance, 50kw non-directional w/10kw auxiliary xmitter from 1400 hrs. Reports to; David Hubert, CE, KIRO Radio, 3rd & Broad Streets, Seattle, Wash., 98121.

(arranged GWDXA)

All above info per NRC DX News.

Mailbag continued

Paul Edwards Wellington has logs of KDAY, 2nd try, KLOK 1170, New Caledonia 1260, and Radio U 1230. QSL's are in from PJB, KIKI 830, KKUA 690, KNDI 1270, 3WL 1570, KBBQ.

Paul Ormandy Oamaru has a log in Radio U and QSLs from 2ST, KRLA, AIR 1150.

Leigh Morris Palmerston North has 4ZJ, Radio Active 1260, Radio U and CFGO.

QSLs are to hand from- KTRH, KTNQ, 2XN, RTM 885.

ODDS & ENDS: Contrary to the details on their licence, Radio B Auckland University used 950kHz again for the March 1978 short-term warrant. Radio Caroline plans an all-day EE service on 557kHz, leaving Mi Amigo on 962. via SCDX 28/2

David Ricquish Christchurch has had little time for DX but has them out to KFJZ 1270, KWOW 1600. QSLs from 4ZJ, KUHL, WAKR. Duncan Watson Edgcombe. Reports to 1XX. QSLs from 2FC, and 1ZT. Try R.N.Z Greymouth.

Sutton Burtenshaw Invercargill. Veries only from XEUR, and YVLL.

Steven Greenyer Invercargill. Logs of 4ZA, 4YZ and WSZD, one verie from 4XD.

Chris Martin Australia. Out to KLO, XBCW, Veries from WSMB, KIDO, WLS, KGHO, 4GC, XEWA, KXLY, KAIM, KHVH, KPOI, KELI, KZOO, KPUA, KIPA, KHLO, all the Hawaiians.

Henry Wilkinson jnr. U.S.A. Veries Onda Tropical 1197, KNOM, Alaska, a good one.

Raymond Crawford. Invercargill. Reports KHVH, KOMW, KLCL, Veries WHNY, KTIL, R. Austral 1540, Toulouse 944, D. Garcia 1475, Senegal 764, Malaysia 940.

Stewart Forsyth now of Christchurch has reports away to R. University, 2PK & 2BS, while one only back from R. Nova. Welcome to the 'mainland' Stewart, hope you contact Canterbury branch members.

Frank Glen of Invercargill whose notes went astray last month has logged 4XD, 2ZN, 2XW, 2WL, 2CH, 4MK, A3Z, VOA1580, KNX, CKTA 1570. Welcome to the pages Frank and the postie will soon be around.

Ernie Moore Queensland advises logs from Coolum/Peregian as KMJ, KPLS, KPOD, KTWO, CBU, KLIF, KYA, CFAX, WJBO, KGU, KBOI, WREN, KMEN, KAHU, WLW, KWJU, KBBQ, CJVB, XEGM, KTOM, Lighthouse & Paradise. One lone QSL from WREN. TY closer

John Allchin Auckland has reports away to ZK2ZN 620, Paradise 1265, KGIL, KGA, KFI, KSRO, KPOL, KUBA, KSL, WLAC, KOMA, WSAI, KDIA, WCAU, KSO KUDE, KTOM, WOAI, KPMC, WBEM, KHVH, KGU, KOMO, KOOL, KMPC and has reaped rewards from 2WG, WLW, KFQD, KING, WBAP, KSL, KNBR, KCRG, 1Z0 & 3B0.

Bryce Clark Wellington has reported KSO from home and Ecos del Combeima 1025, WOW 590, Huancavilca 605, KBBQ from Te Awaiti on the Wairarapa Coast. Veries are in from KHVH 990 & HCIC6 1465. Luvley one.

Tony King has a taped report away to Lisbon 7594, heard at Tokoroa with TRF and mini-beverage.

KTIL
RADIO 1550

W
X
V
I

Soul - 16

BEST OF THE MONTH

SENIOR:

Bryan Clark

HCIC6 Latacunga Ecuador 1465kHz 5Kw 151pts

JUNIOR:

Philip Brooks

KUDE Oceanside Calif., 1320kHz 500w 126pts

BROADCAST TRAIL

EVENING:

540 CBK s/off with ident 0705
 HCFA2 ident 0811
 560 Fiji fair all day
 580 KMJ 0715
 WIBW talkback 0722
 590 WOW Nx 0731
 unident with T/T 0813
 600 CJOR o/ KOGO 0956
 610 KFRC strong 1051
 KILT fair Nx 0724
 620 Niue good 0646
 670 KBOI fair 1118
 Noumea mostly all day
 690 KKUA u/3YA all nite
 710 KIRO good 1127
 720 KUAI o/4YZ 0757
 730 CKLG very good 1148
 740 Tahiti fair 0556
 750 KFQD o/JJ 1145
 760 KGU ex 1120. 1YA off.
 790 unident SSB off 0800 16/2
 830 KIKI good 1151
 844 VSZ1 0943
 870 KAIM good 0902
 960 KOOL fair to good 1110
 980 KFWE all Nx u/ CKNW 1145
 990 KKIS o/ KHVH 0750
 1000 KOMO very good 1138
 1030 WBZ talk show 0710
 XEQR R.Centro SS pops 0717
 1050 Samoa fair 0838
 1080 KIOE exc all nite
 1160 KSL exc ident 0729
 1260 CFRM once under KGIL 0816
 New Caledonia 0830
 1270 WHBF C&W ident o/KFJZ 0805
 KNDI fair 0755
 1320 KUDE 0731-0822
 KXYZ 0725
 1360 KRYS good 0805 "Quick" SSB
 WSAI good ident 0810
 1379 Colo Colo Chile hitting ident 0844
 1380 KTOM very good 0757
 1410 CFUN u/ 2YM all nite
 1430 CKFH very good 0735-0810

5

1450 KATE s/off ident 0806 fair to good PB
 1500 KSTP poor u/1ZA 0635 JA
 1520 KOMA very good u/ 12U 0647 JA
 1560 KPNC good o/2ZH 0625 JA
 1590 KBBQ mxid KLIV all nite JA

MORNING:

540 CBK fair 1340 PB
 570 KLAC C&W u/2YA 1245 JA
 640 KFI "64-KFI" from 1244 PB/JA
 710 KIRO good 1504 JA
 KMPC fair with KIRO off 1317 JA
 730 CKLG exc 1201 JA
 750 KXL all Nx 1420 JA
 810 KGO good 1520 JA
 980 CKNW 1239 PB/JA
 1010 CBR poor 1425 thru carrier JA
 1060 CFCN good 1330 JA
 BC KPAY fair 1206 JA
 1280 KJOY good once only 1248 JA
 1310 KDIA religious 1416 JA
 PB 1350 KSRO fair 1438 JA
 BC 1370 KEEN fair to good 1510 JA
 JA 1380 KTOM C&W 1204 JA
 JA 1420 KCCN thru 120 1530 JA
 PB 1600 KUBA good 1535 JA
 JA KWOW o/KUBA 1510 JA

CREDITS: Philip Brooks, Bryan Clark, John
 Allchin, and Paul Edwards. Tax fellas.

STATION NEWS

IRAQ 1232a new station with AA idents &
 Nx mxid Czechoslovakia. No time given
 (Oliver Goonerwardere UADX 6/11)


CYPRUS Radio Bayrah broadcasts on 1095 &
 6118.5 (announces 6150) in Turkish.
 Greek & EE prgms are on 1465. (1500
 announced) (Karlsson SCDX 27/9)
 Radio Cambulat bc/s in Turkish
 from Farmagusta on 1382.
 (Karlsson SCDX 27/9)

SOUTH KOREA KBS Seoul have written advis-
 ing they do not have a station on
 880kHz and there is no such station
 as HLKH as listed in the WRTVH.
 (Hank Wilkinson)

SUDAN "Voice of Eritrean Liberation Front"
 is xmitted in AA & Tigrina 1500-
 1600 on 6150, 5038 & 960kHz as part of
 Omdurman Radio's external service is
 now b/c on Mon, Wed, & Sat only.
 (BBC/MS Copyright)

LIBYA New stations in Tripoli 539kHz with
 500kw and Sabha 827kHz 300kw (Sunspot)

Independent Local Radio



The Independent Broadcasting Authority is responsible for the provision of public services of local sound broadcasting in the United Kingdom as set out by Parliament in the Independent Broadcasting Authority Act 1973. These services, additional to those of the BBC, are paid for by the sale of advertising time which accompanies the programs.

235
Pernine
Radio

As for Independent Television, the IBA plans, builds and establishes the transmitters, provides distribution links and establishes technical standards. The Act sets out that the programs and advertisements broadcast by the Authority shall not normally be provided by the Authority itself but by the program companies which it selects and appoints. The Authority, however, remains responsible for the standard and balance of all programs and advertisements.

Following the opening of the first two Independent Local Radio stations in October 1973 - LBC, the news and information service and Capital Radio, the London General service - and of Radio Clyde in Glasgow on 31.12.73, six more independent radio stations began broadcasting during 1974; BRMB Radio in Birmingham, Piccadilly Radio in Manchester, Metro Radio in the Tyne/Wear area, Swansea Sound, Radio Hallam in Sheffield and Rotterdam, Radio City in Liverpool. Thus by the end of 1974 nine self-financing radio companies were broadcasting to a potential audience of some 19 million people. Four other stations, Radio Forth in Edinburgh, Plymouth Sound, Radio Trent in Nottingham and Radio Tees in Teeside were offered contracts at this time and were on the air in 1975. By early 1976 there were a total of 19 stations operating, the balance being stations in Bradford, Portsmouth, Ipswich, Wolverhampton Reading and Belfast.

194
RADIO
CITY

The Independent Local Radio contracts run initially for a term of three years from the date of commencement of broadcasting, and yearly extensions may be granted by the Authority at the end of the first and each subsequent year, subject to satisfactory performance. This system of rolling three-year contracts enables the IBA to make a continuous assessment of the performance of the program companies, and allows the companies to plan ahead on a reasonable basis.

293

A 'primary rental' is payable by the program company to the Authority once the company begins broadcasting. This is calculated to defray the necessary costs to the Authority of initiating the new service; to cover the operating costs of the system, including the costs of the IBA's transmission, maintenance and control function; to repay the Government loan with interest; to allow depreciation; to leave a surplus as and when possible, for the establishment of a Reserve Fund. If in any contract year the profits of the contractor exceeds a rate of 5 per cent of the net advertising revenue a further, or 'secondary' rental payment becomes due in respect of that year, to be paid the following year. This is a method of securing additional funds from the system when a certain level of profit is achieved, to be used in enhancing the service offered by Independent Local Radio to the public. The Authority would intend that a proportion of the funds derived from the secondary rental would be used either for the employment of musicians or support of musical performances.

251
LBC News

Local radio stations can and do play an important part in engendering and expressing a community spirit. The companies are responsible for producing their own programs. Because of the flexibility and immediacy of radio, schedules are drawn up months in advance, but weekly schedules are submitted for the Authority's inspection and changes in format are required for approval by the Authority. The companies are required to tape the whole of their output and these tapes are kept for a minimum of three months for the IBA's use as required. Variety and local identity; these are the twin themes of ILR. The ILR companies broadcast over 2000 hours of locally originated programming every week, all of it special to each station and each area. This look into Local Radio in the United Kingdom will be continued in a future issue.

257

With a private non-commercial university radio station only 400 metres from my bedroom door, I had to go and have a look, the temptation was too great. I was not disappointed. I had been amazed by the quality of the output of the station's programmes, a marked improvement on certain other university stations, believe me!

When I arrived, Station Manager James Chambers was sitting working. He looked up, welcomed me and asked me to sit down, and proved only too willing to talk to a League member. We chatted about the station, its performance and its future. He was fairly pleased with what had been happening over the preceding fortnight. Things had been progressing well, and he seemed sorry that it would all have to end on Saturday 4 March. Considering the limited resources available to them to fund such a project as Radio U, they have done remarkably well. We talked about the possibility of a Capping Week transmission. He wouldn't commit himself, saying that it depended on the demand and enthusiasm of people interested in getting the station back on the air, but behind it all I got the feeling that he would very much like to have Radio U on air for Capping Week later in the year.

The programme format consisted of music (dedications & requests), comedy, student information, interviews, drama, debates, and a specialised music spot featuring jazz or classical music played by local musicians.

My attention was caught by a promotional announcement: "Student Radio and Stereo FM go together". Were they perhaps planning or supporting a pirate FM station? The answer was no! Simply that the Federation of Student Broadcasters supported moves for the introduction of FM broadcasting.

The TRS MF100 transmitter emits 100 watts of power to a base-loaded 80 foot vertical antenna located in the grounds of the adjacent Ilam School. The studio equipment is similar to a set-up that was used for Radio Ferrymead last year. It comprises 2 turntables, a cartridge cue-master, a cassette deck, and a reel-to-reel tape unit. Credit for much of the equipment used by the station must go to the various departments of Canterbury University and business houses around Christchurch, who so generously made it available, and in particular, to Radio Avon for the support and advice they have given Dave Fitzgerald and his Engineering staff.

As to QSL cards, these are coming, so if you haven't got one already, please be patient. Reception reports this year have come from as far away as Dunedin and Palmerston North, but apparently last year reports came in from as far away as Auckland and Invercargill, and it appears that Radio U has been received well from all over the country.

While I was talking to James, Radio New Zealand rang up to check up on proceedings. Was this a sign of worry on the part of RNZ management? Jealousy? Panic?

My final word is to Jamie Chambers and the gang of 20 or so workers - it was good while it lasted. Have another go soon!

Stuart Forsyth

SOME REAL HOSPITALITY

Members Phil Brooks and John Allchin recently rendezvoused at Te Araroa, on the East Cape of the North Island for some DX on the medium wave band. Some excellent DX was had, best catches including KFQD Alaska, KEYS, KUDE, WSAI, WCAU, KSO, KUBA, KRYS, KGB and WHBF. En route for home, the boys dropped in on Radio Whakatane. They spent some considerable time with the 2 technicians one of whom was a former League member, and were shown around the studios, record library and newsroom. Then it was out to visit 1XX's old transmitter site. The transmitter/antenna for the station has been relocated on the Bay of Plenty Coast to improve coverage along the coast, but it proved more economical to leave the old 177ft tower and construct a new antenna at the new site. The technicians allowed Phil and John use of the old tower for DX and intimated that they would allow other League members to use the tower. This certainly has great potential, and we await DX results with interest.

CONTINENTS LISTING

8 with Bryan Clark

Every March & September we feature members' QSLs broken down into totals per continental area. It's all self-explanatory except for the asterisks - one by your name means deletion in September if we don't have an update by then, an * by the Pacific total indicates that a verification from AFAN McMurdo Sound Antarctica is included. Our featured continent this time is South America; in September we'll feature your best/favourite QSLs from ASIA. See you in 6 mths!

BROADCAST

	A/NZ	Pac	S.Am	C.Am	N.Am	Eur	Afr	Asia	Cnts	Total
Norm Maguire(USA)*	103	31	17	20	2743	22	1	44	71	2981
Arthur Cushen	414	101	24	85	1054	128	28	427	149	2261
Ray Crawford	340	65	46	47	253	106	25	304	148	1186
Eric McIntosh	368	61	2	2	317	59	5	127	85	941
Sutton Burtenshaw	301	60	34	37	311	44	3	120	101	910
Robin Chambers	227	54	14	30	259	94	20	189	110	887
Chris Martin(Aust)	157	54	9	45	136	70	35	133	150	639
David Ricquish	268	58	4	7	142	6	0	44	47	529
Bryan Clark	116	47	29	29	147	25	5	39	85	439
Hank Wilkinson(USA)	22	33	80	?	152	14	2	98	71	401
Paul Ormandy	188	29	5	10	68	10	0	31	55	348
Jim Benzoni*	166	18	1	3	48	0	0	11	25	247
Paul Rawdon	101	13	0	1	45	3	0	11	22	174
Ash Nallawalla	123	6	1	3	16	1	0	14	18	164
Stephen Lillis*	61	3	0	1	0	0	0	0	5	65
David Feldon	55	5	0	0	4	0	0	0	8	64
Trevor Phillips*	7	4	0	0	1	0	0	1	8	13

SHORTWAVE

Arthur Cushen	291	362*	410	212	317	1482	479	918	243	4473
Barry Williams	73	87	110	?	260	564	473	483	213	2044
John Mainland	28	49*	65	69	107	592	219	254	188	1383
Ray Crawford	97	61*	109	51	98	515	105	300	154	1338
Bryan Clark	135	44*	67	32	101	381	246	157	180	1166
Bill Huddleston	79	36*	30	29	120	503	97	260	131	1154
Paul Ormandy	51	35	22	33	49	244	95	129	141	656
Eric McIntosh	70	74	36	3	105	184	59	104	113	635
Jim Benzoni*	52	12	31	?	74	267	45	129	116	598
Paul Edwards	11	17*	25	13	5	83	86	91	150	332
Cecil Symmes*	57	14	13	?	44	116	22	64	76	330
Brian Gall	8	12	14	2	20	97	13	61	78	227
Ian Wells*	9	11	9	8	14	44	4	31	58	130
Bill Jolly	16	2	10	2	6	61	4	31	36	132
David Feldon	38	6	3	2	10	28	2	25	31	114
Ian Hitchiner*	2	2	2	5	9	25	6	21	32	72
Trevor Phillips*	4	4	2	5	3	27	5	19	41	69
Tim McSweeney(Aust)*	7	2	5	0	5	11	5	19	26	54
Stephen Lillis*	18	2	5	7	0	8	6	6	19	46
Philip Hamlin	3	8	4	1	2	13	0	8	26	40
Paul Rawdon	13	22*	19	?	30	135	37	90	121	346

Apologies to Paul Rawdon for misplacing! Welcome to newcomers Philip Hamlin & David Feldon from the Bay of Plenty, and reappearing are Barry Williams, Eric McIntosh and Robin Chambers.

SOUTH AMERICAN BESTS: Arthur Cushen HJAD Colombia 1330 1kw & CP30 Bolivia on 6230 with 150w; Barry Williams ZYR59 Brazil 3335 1kw; John Mainland Cayenne 4972; Bryan Clark OAX1L Imperio 1490 1kw & Cayenne 3385 4kw; Chris Martin LR3 Radio Belgrano 950; Paul Ormandy HCFA2 Tropicana 540 10kw & Ondas del Huallaga 3330 1.5kw; Paul Edwards Guyana 3290/Cayenne 4972; Bill Jolly YVMK 5020; David Ricquish HJDB Medellin 990 10kw. We're back gain in SEPTEMBER!

HEALTH GERMS to our patron Merv Branks in Invercargill, to Theo Donnelly in Vancouver, and to SDC stalwart John Pickering, presently in hospital.



VOICE
of
NIGERIA

NIGERIAN BROADCASTING CORPORATION

BROADCASTING HOUSE
IKOYI
LAGOS

9

April 1977 saw the Nigerian Broadcasting Corporation (NBC) observing its 20th anniversary. It was established in 1957 when the western and eastern regions of Nigeria achieved self-government, in the constitutional progress towards the attainment of independence and national sovereignty. In the 1958 act providing for establishment, the duties of the Corporation were stated as:-

- (a) to provide, as a public service, independent and impartial broadcasting services by means of wireless telegraphy and by TV for general reception within Nigeria.
- (b) to provide like services for general reception in countries and places outside Nigeria.
- (c) to ensure that the services which it provides, when considered as a whole, reflect the unity of Nigeria as a Federation, and at the same time give adequate expression to the culture, characteristics, affairs and opinions of the people of each Region or part of the Federation.

Today, NBC has a fully-fledged station in each of the 12 states created thru federation in 1967, and is to build 7 more stations in the additional states founded in 1976. Major expansion of NBC facilities is planned under the current National Development Plan, and 50kw transmitters have already been introduced on 4990 and 7255kHz.

The International Service of the NBC first broadcast on 1 January 1962, with a programme policy of projecting the personality, culture and traditions of the Nigerian people to the outside world, and also to broadcast news and programmes of international significance in keeping with the Federal Republic of Nigeria. Since its founding, the Voice of Nigeria (VON) has gradually extended its output. Initially, 2 hours programming was broadcast daily, an hour each in English and French, using two 10kw transmitters beamed to the neighbouring countries of West and Central Africa. In 1963, broadcasting hours were increased to 6 daily, with Arabic programmes added. Hausa broadcasts were introduced in 1974. Today, VON broadcasts for about 9½ hours daily, in EE, FF AA and Hausa, with target areas of Europe/Mediterranean, East Africa/Middle East and West/Central/Southern Africa. Test broadcasts from 100kw RCA transmitters began in late October 1963, and two of the 4 units ordered became fully operational on Christmas Eve of that year.

Under Nigeria's Third National Development Plan (1975-1980), over 54 million Nigerian N's has been provided for radio development. VON has plans underway for building extensions for studios and equipment, and also for the installation of 4 additional 500kw transmitters to more effectively cover all target areas.

Condensed from the Nigerian Radio-TV Times April 1977 by EC



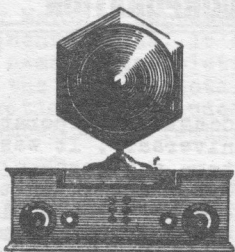
What looked like a very promising season for TV & FM DX seems to have had little results for members. PAUL RAWDON Eastbourne has received an attractive QSL from ABT2 Hobart, depicting the transmitting mast overlooking the Tasmanian capital. BRYAN CLARK of Wellington had excellent results on 6 January with reports out NBN3 Newcastle (91.75MHz sound) for reception 0830-0915 GMT and

ABSQ1 Warwick Queensland (62.75MHz sound) at 0857-0902 GMT. AEC-FM Sydney on 92.9MHz was also heard. Unfortunately constant monitoring since has only produced some more sound from Aussie Ch3 (91.75MHz) on 2 February. Some items from BRUCE WILLIAMS: Christian Broadcasting Assn, operators of 2EA Sydney 800 kHz MW are seeking an FM licence. Aside from AEC-FM's 4 stations and the handful of campus licences, the most successful Aussie FMer is 2MBS-FM Sydney, which plays fine music around the clock and is run by a cooperative with around 4000 subscribers who chip in \$25 a year, \$15 for students.

2MBS-FM

76 Chandos Street, St. Leonards, N.S.W. 2065

EQUIPMENT REVIEW



+ Following the brief mention of the GRUNDIG SATELLIT 3000 in our November issue, member Ross Clark of Kumeu has obtained a brochure from the manufacturer. The following points have been gleaned from the German text and photograph: The 3000 measures 50 x 32 x 13cm (19½ x 13 x 5½ inches) and weighs 8.9kg (20lb) with batteries. There are 21 bands - LW, MW, 18 SW and FM and LED digital readout to 1kHz on LW, MW and SW, or to 10kHz on FM. Continuous coverage is available from 1605kHz to 30,000kHz on SW. The other outstanding feature is a built-in quartz digital 24 hour clock. There's a BFO/SSB switch and variable controls for SSB/USB/LSB receptions. Those with favourite FM stations have push buttons to preselect 6 FM channels. It's a dual conversion receiver with crystal filter for the first IF and ceramic filter for the second. Pricewise, in Germany the Satellit 3000 sells for 40% more than its predecessor the Satellit 2100. Agent in our part of the world is Camera Lines Ltd, P.O.Box 29, Norfolk Island 2899, so drop them a line if you're planning a holiday there! (See WRTVH 1978 page 49 for advt on this set)

+ The International Radio and TV Exhibition in Berlin, August/September 1977, attracted over 620,000 visitors, and there was plenty to interest the DXer - Nordmende's Globetrotter with 17 bands, including 11 shortwave; ITT Schaub-Lorenz Touring CD-108 portable with digital frequency readout and priced under \$250; the German Miramo company presented the first model of their CR-30 D communications receiver with digital frequency counter, "designed according to the wishes of DXers"; star portable on display was Grundig's Satellit 3000; but show-stealer for the DXers was Sony's little ICF-5900W. The exhibition showed a very positive trend by the big manufacturers to present receivers especially designed for shortwave reception. via WWDXC

+ Last year the first Realistic Long-Range TRF portable MW receivers (model 12-655) were brought into NZ by League members. They were purchased as a result of the 'rave reviews' appearing in stateside DX magazines about their selectivity and sensitivity. Retailing in the USA for under \$30, they are a tuned RF stage superhet using 8 transistors and 10 diodes. Over Christmas, Tony King at Tokoroa, and Bryan Clark at Kaiteriteri Beach, put the TRF through it's paces DXwise, and were most impressed with the results. Best logging at Tokoroa was Lisbon 1594 10kw, heard for 15 minutes on the evening of 1 January, while Bryan Clark's results appeared in the January Times page 5. By pretuning with a condenser and a slug-tuned aerial coil, any length of antenna can be coupled to the TRF without overloading; loops react excellently by induction, and selectivity is communications receiver class with noticeable 10kHz notches on all but the strongest locals. If you're out for some MW inexpensively, save up for one of these. They're now available in Australia for around \$50 from most Tandy Stores. It's Radio Shack model 12-655.

+ Every month we hear of new receivers on the market for the SWL/DXer. The JSWC "SW DX Guide" for January 1978 featured some new models: Toshiba have the TRY-X2000 BCL receiver at 28,900 yen (about \$112) which looks similar in concept to Sony's ICF-5900W (WRTVH 1978 supplement page 6); Kentec have a small communications receiver style set - the BCL-1, selling in Japan at the equivalent of NZ\$168. It has 6 bands, 500kHz and 50kHz crystal markers, and readout to 5kHz, variable bandwidth and SSB mode, as well as all the normal features. Presumably Kentec is related to Kenwood? Standard have the C6500 All-Band Communications Receiver, coverage 0.5 to 30MHz using the Wadley Loop System, and selling for the equivalent of NZ\$193 in Japan; and from JRC, the pricey (NZ\$1500) NDR-505 all-wave receiver, with 30 bands of 1 megahertz each and LED digital frequency readout. Let's hope it won't be long before the 'down-under' DX fraternity benefits from the boom in SW/DX receivers as it continues overseas.

+ National's RF8000 was recently tried out by Auckland Branch members, courtesy Bryan Marsh and Miles & Carlaw Ltd (Auckland's major Duty Free Store). A big and expensive set, it did not appeal to members in comparison with National's DR models. MW was poor and overloaded with any external antenna. SW was good, and VHF coverage up to 250MHz allowed reception of Police, Hams, TV,

EQUIPMENT REVIEW CONTINUED

...etc. Motorised band-switching was a novelty. The dial lighting was disappointing as the drum scale was lit up but not the frequency scale. Calibration was good on SW, but the marine bands and 60 metres poor. More hopeful is National's DR28 all-band digital readout receiver, due at Miles & Carlaw in May, and priced at A\$185 duty free. It gets a good review in the 'How to Listen' supplement to WRTVH 1978. The Sony ICF6800 depicted on our December cover is due on the duty free market about June. The phase locked loop system double superheterodyne export version will sell around \$300 duty free. Bryan Marsh displayed National's DR48 communications receiver (WRTVH 1978 p27) at Auckland Branch's February meeting - news of this in the next month or so.

+Ted Osborne (20 Boyd Avenue, Wanganui) seeks comment on the performance of the Yaesu FRG-7, and suggests that this set was very over-rated in the Times. He has had nothing but trouble with the set for MW DX - "harmonics" from 2ZW 1200 appearing on many frequencies above 1000kHz. 2YA is received on many channels and 2YC on 640 and 680kHz. 2ZM occupies the band from 1190 to 1240kHz and is in the background or atop any MW frequency. Ted is very disillusioned and is interested to hear from other DXers regarding their problems with 'images' and possible solutions to improving his MW DX with the FRG7.

NORTH OTAGO BRANCH'S JUNIOR SECTION

League members may be interested in hearing about the club's first 'Junior Section'. The idea for such a group of children between 10 and 13 years old was put forward at a Senior meeting of North Otago Branch. A talk and demonstration at Oamaru Intermediate School was well received. 7 members attended the first Junior meeting on 16 June 1977. We reported Radio i and, at the next meeting, Radio Nederland. Everyone got QSLs back from these stations. On 14 July our first elections were held for the positions of President, Secretary, Librarian and P.R.O.

We have had many projects, like Best of the Months, making crystal sets, having contests, reporting stations, and having a library, but the biggest thing yet undertaken was a 'Bikathon', from which over \$30 was raised. This went towards purchase of stationery, a 1978 WRTVH and branch fees.

There is one thing that I must say - the standard of reporting by junior section members is very good. One was commended on the neatness of his reception report, while others have also had remarks about the quality of their reports. At the present we have 13 members, one of whom is in charge of 'telephone DXing'. This is a service provided for members who can't make it to meetings. They are told of events at the meeting, and future happenings.

I challenge other branches to start up a 'Junior Section'. For some hints on starting up a group, please write to us, but do include a stamped addressed envelope. Here are the addresses: Junior Section c/- Paul Ramsay, 67 Wharfe Street, Oamaru, or c/- Richard Kitto, Reservoir Road, Oamaru. When the next League AGM is held in Oamaru later this year, let's see how well other Junior Sections are going, and see if that will help in lowering the individual joining age from 13 to perhaps 10 or 11?

PR

WELLINGTON BRANCH NEWS The February meeting was held at Bryan Clark's with 10 members present, also prospective branch members David Mainwaring and Chris Mackerell who has recently transferred from Christchurch. League stationery was discussed and League trophies redistributed. Main features were a talk by Bryan on identifying Spanish language stations, a talk by Paul on low frequency reception, an informal gathering around the tape recorder listening to DX catches from Phil Brook's DXpedition to Te Araroa. Competition results: SW Senior Bryan Clark TWR Swazi 17745 and John Mainland Malta 5990. SW Junior Bruce Lister RSA 21535 and Paul Edwards Comoro State 3331. ECB Nth Am Phil Brooks KUDE 1320 500w, ECB Open Bryan Clark Nuevos Horizontes Ecuador 1465 5kw, A/NZ John Wysocki 2ZM 1130 100w, TV/FM Paul Rawdon ABT2 Hobart Ch2 100kw. The next branch meeting will be held on Friday 31 March at 8pm at John Mainland's, 30 Burrows Avenue, Karori. Telephone 768-762. Feature will be a talk on happenings at the 1978 Convention.

Each day over 40 countries beam programmes in English towards NZ, and this selection is of the best received and best frequencies, effective 5 March 78. 12

AUSTRALIA Radio Australia, Melbourne
7800-2200 on 9580kHz, 2230-0730 on 15240, 0700-0900 on 9570, 0800-2000 9540.

CANADA Radio Canada International, Montreal
0200-0227 on 9535, 9650, 11845kHz. 0400-0427 on 5960, 9535kHz.

CHINA Radio Peking
0830-1030 on 11600, 11720, 15060kHz.

POLSKIE RADIO

Warszawa, Al. Niepodległości 77/85

CZECHOSLOVAKIA Radio Prague
0730-0800 on 11855, 15395, 21700kHz.

ECUADOR Radio Station HCJB, Quito
0600-1130 on 6130, 11900kHz. 0700-1030 on 9745kHz.

GERMANY(WEST) Radio Deutsche Welle, Cologne
2100-2200 on 7130, 9765kHz. 0930-1030 on 9650, 11850, 15275, 17715kHz.

GREAT BRITAIN BBC World Service, London
2000-2215 on 7120, 9410, 11750kHz. 0545-0915 on 7150, 9640, 11955kHz.
0900-1115 on 9740, 11750, 15070kHz.

HOLLAND Radio Nederland, Hilversum
0730-0820 on 9715, 9770kHz. 0830-0920 on 9715kHz.

INDIA All India Radio, New Delhi
2045-2215 on 9912, 11740kHz. 1000-1100 on 11775, 15205, 15250kHz.

JAPAN Radio Japan, Tokyo
0930-1030 on 11875, 15235kHz.



RADIO NEDERLAND WERELDOMROEP
P.O. BOX 222
HILVERSUM (THE NETHERLANDS)

LA VOZ
DE LOS
ANDES



HCJB

CASILLA 691. QUITO, ECUADOR

POLAND Radio Warsaw
0630-0700 on 6130, 7270, 9765kHz.

SWEDEN Radio Sweden, Stockholm
1100-1130 on 15125kHz.

SWITZERLAND
0700-0730 and 0900-0930 on 9560, 11780, 15305, 17830kHz.

USA Voice of America, Washington
2200-2400 on 17820, 21610. 1100-1400 on 5955, 9730, 15155kHz.

USSR Radio Moscow
0800-1000 on 11690, 15130, 15380, 17870, 17880kHz.

Radio Canada International

VATICAN Vatican Radio
2210-2225 on 7235, 9615, 11705kHz.

All times are in GMT (12hrs behind NZ Standard Time). Frequencies in kiloHertz.

THE INTERNATIONAL DX PROGRAM
BROADCAST BY THE SRI LANKA BROADCASTING CORPORATION

RADIO MONITORS INTERNATIONAL

Adrian Peterson's DX programme "Radio Monitors International" is now broadcast 3 times each Sunday in the international services of the Sri Lanka Broadcasting Corporation. Each programme carries 3 segments: a station profile, a technical topic, and DX Digest. The new schedule is 0315 GMT to India on 15425 and 9720kHz; at 1100 GMT on 17850 to S.E. Asia, 15120 to the Far East, 11835 to Australia; at 1900 GMT on 17850 & 15115 to East Africa, 11870, 9720 & 7190kHz to the Middle East.

Reports on the programme are welcomed by Adrian at Box 15, Poona 411001, India. Have a listen out for "Radio Monitors International" next weekend!



Shortwave Mailbag

with JOHN ALLCHIN

13

Paul Edwards probably has the pick of the veries this month with a fine QSL from Moroni in the Comoro Islands on 3331 kHz. Other highlights this month are replies from Guinea-Bissau, Brazilians Radio Amazonas 4805 and Radio Xapuri 3411 plus an interesting list from John Campbell. Well autumn is truly upon us, daylight saving is over and it's time to check those lower frequencies again for openings to Africa and Latin America. Good luck ! Now to this month's Mailbag contributions:

JACK SEARLE Haumoana has sent 13 out this month with veries in from KTWR 17855, 17830 Radio Northern Solomons 3322, Radio Morobe 3220, RA Shepparton 11855, 15215 Carnarvon 11900 Israel 15512, 9009 and NHK 17825. Jack has also received a set of 18 35mm colour slides from Radio Praha. Nice perk Jack !

GAVIN WATERS Wellington has six out and QSLs from RA 21570, 15405 WINB 11775 Moscow 11690, 11940, 15130, 15380 and Thailand 9655 for country 52. Good !

DAVID FELDON Rotorua has veries this month from Israel 12045, 15485, 11960 Japan 9675 and RA 15410 and 17795.

IAN CATTERMOLE Blenheim has QSLs in from Vienna 6155, 17710 BBC 17790, RN 5955, RA 17725, RCI 9535, Prague 9505, 21700 WINB 15340, RFI 21675, 11845 RFE 21655, Lisbon 21735, Thailand 11905, BBC Malaysia 11750, Israel 11960, P & P 7220, 11840 Brussels 21475, Denmark 15165 and a good one from Nepal 3425. Another great list Ian especially Nepal.

JOHN MAINLAND Wellington has 8 reports out and has verified TWR Swaziland 9730, Veritas 11725, KTWR 11730, Algiers 15180, Broadcast Malta 5990, AWR Malta 9605 and HCJB 9645.

BRYAN CLARK Wellington with 12 out has veries this month from Moscow 7420, TWR Manzini 9730, 17745 Serpukhove 21590, Liberty 21455 and Bucharest 17825. Thanks for all Trail items Bryan. Successful DXpedition !

JOHN ALLCHIN Auckland has QSL'd Sofia 7100, RFE Gloria 17805 & TWR Monte Carlo 7105.

BILL JOLLY Kawerau has 14 reports in the mail and veries from RM 11690, Praha 21700, PNG 3925, Kuwait 15345, P & P 15220, RTVE Tenerife 11880 & Pyongyang 11535. Thanks.

LEIGH MORRIS Palmerston North has sent 5 away and has received a good batch of veries RTM Penang 7295, RTM Kuala Lumpur 6175, AFAN 6012, Radio Mediterran 5990, SLBC via AWR 15425, Luxembourg 6090, RSA 15155, RN Talata 15220, Kabul 15365 and YLE 21495. Some nice ones there Leigh.

JOHN CAMPBELL Newcastle, NSW has some very interesting and unusual QSLs this month from Radio SR 3223, Kota Kinabalu 4970, CKZU 6160, FEBC 21515, plus European Hobby Pirates Iris 6205, Free R. Broadcasting Co. 6214.5 Santana 6217.5, Skull and Bones R. System 6230 and Corsair 6254.5. Enjoyed your article in the WRTVH John.

CECIL SYMMES Wellington has 3 in this time from RA 9505, Japan 17795 and Radio East New Britain 3385. Thanks for trail Cecil. Countries enquiry referred to Invercargill.

MARK STIRLING Nelson shortly to purchase a SONY ICF-5900W has QSL Moscow 11690. Hope new set brings success Mark.

DARYL NEW Lower Hutt has QSL'd AIR 11740, RA 15240, 21455, Radio Moscow 11870, BBC 9625, Peking 11600 & NHK 15105.

STUART FORSYTH now in Christchurch lists his verifications as RA 21455, Israel 11905, Belgium, Praha and Bucharest. One report out to Clarin 11700. Good luck with that one Stuart. Loop going well ! Might see you soon.

PAUL ORMANDY surprises with no logs this time but QSLs from Dubai 6040 (country 140) RM 21515, 21570 RFI 21730, 21675 FEBE 11840, Radio East New Britain 3385 (after 19 mths) Sweden 21555, Kuwait 21685 and Dushanbe 21505 for country 141. Great Paul !

PAUL EDWARDS Wellington has verified RSA 7270, 9585 Moscow Riga 15220, Comoro State 3331 (excellent) and Guinea-Bissau for country 150. Great quality Paul !



The 500kw outlets are now on-air to the fol-

STEVEN GREENYER Invercargill features some excellent Latin QSLs with veries from Radio Gazeta 5955, Radio Amazonas 4805, HCERP5 3985 and Radio Xapuri 3411.

RADIO RSA

lowing schedule, just received by John Mainland. Note that 250kw frequencies are not included in this listing.

RON JAMES Wellington has a monster list with a summary of QSLs received during the past few months. RA Shepparton 9505, 21455, RFE 11835, 15170, KTWB 9670, 11705, 15115, 15175, AFRTS 15430, AIR 11770, 15205 (both after 21 mths) RN Bonaire 15310, 21640 RSA 21535, Berne 9725, DZH8 11765, WINB 15270, Saudi Arabia 11855, Bangladesh 15400, OAX4Z 6042 with pennant, RNZ 17710, Sofia 7115, Sweden 15120, Cairo 9805, Moscow via Sofia 6070, Kieta 3322.5 Radio Central 3290 with pennant, RBI 11785, Kiev 7205, 9610 and TWR Bonaire 15445. Good effort Ron and two countries to go for no. 100 !

- 0256-0426 EE on 9585 & 5980kHz
- 0428-0530 Lozi on 5980kHz
- 0456-0550 French on 11900kHz
- 0550-0700 EE on 11900 & 17780kHz
- 0700-0750 French 17780 & 11900
- 0756-0854 Sunday only Portuguese on 17780 & 11900kHz
- 0856-1150 in Lozi on 11900kHz
- 0926-0956 Afrikaans 17780 Sunday
- 0956-1030 in PP Mon-Sat 17780kHz
- 1056-1158 in EE on 17780kHz
- 1158-1300 in FF on 17780, 11900
- 1300-1454 EE Mon-Fri 17780, 11900
- 1456-1550 Swahili Mon-Fri 17780
- 1456-1550 in Lozi on 11900kHz
- 1300-1456 EE Sat/Sun on 17780kHz
- 1300-1550 EE Sat/Sun on 11900kHz
- 1456-1550 Swahili Sat/Sun 17780
- 1556-1650 EE on 11900 & 17780kHz
- 1656-1750 Chichewa on 11900kHz
- 1656-1750 in Dutch on 17780kHz
- 1756-1850 German on 17780kHz
- 1756-1850 in French on 11900kHz
- 1856-1950 in PP on 11900 & 9585
- 1956-2050 in French 11900, 9585
- 2056-2150 in EE on 11900 & 9585
- 2226-2320 in EE on 11900, 9585kHz

BARRY WILLIAMS Auckland features yet another list of Russians with QSL's from Radio Moscow via Serpukhov 9560, Kazan 9590, Moscow 7355, Krasnoyarsk 11960, 11970, Tallin 17700, Tula 17765, Alma Ata 17850, Chita 21515, Dushanbe 21505, Frunze 11820 & an out of place BBC Antigua 6195.

DES DAVEY Te Kuiti has 10 reports away with veries in from Spain 9360, 9630, Malaysia 15295, Praha 7345, Paris 15270, RN 9715, NHK 15105, RA 9760, Berne 15305 & Kuwait 11940. Hope trip went well Des.

PAUL RAWDON Eastbourne has been busying sending out 21 reports with veries to hand from Kuwait 12085, HCJB 11955, Red Cross 7210, Portugal 21700 & TWR Bonaire 15275.

HELP WANTED: Did you tape the HCJB DX Partyline Show of 27 February? We have a member who would like a recording of that particular programme. Drop the Chief Editor a line if you can assist.

BEST OF THE MONTH

OVER 9 MHz

Bryan Clark TWR Manzini 17745 30kw
109 Points

UNDER 9 MHz

Paul Edwards Comoro State 3331 4kw
131 Points

ART CUSHEN Invercargill has verified
RBI 875, HCJB 15405, Budapest 6110, HCJB 955 & Baghdad 11905.

PHILIP HAMLIN Tauranga has QSLs from SEC 75305, Budapest 15160, NHK 17880, Moscow 9780, 15130, 15380 with pennant. WWVH is classed as a utility station Philip, and should not be counted in yr SWBC total. See your 'DXing made Easy' booklet.

1938=1978

40 Years of Radio Sweden

Further to the report on P18 last issue Bill Huddleston comments that if Radio Sweden are happy with your reception report, a full data QSL card is sent, which has a sticker affixed stating "Anette Beijer was pleased to verify your report" and featuring a photo of Anette.

Some more comment from Radio Sweden: "Mail is the only way we know if anyone is listening to us. But remember that handling mail creates extra burdens if names & addresses are not written clearly, if reception reports are incomplete, and so on. Well thought-out letters, with criticism as well as compliments, are wanted.

SHORTWAVE BANDWATCH

15



Coordinated by JOHN ALLCHIN & BARRY WILLIAMS

This month we feature the results of a successful DXpedition made by Bryan Clark and Tony Marr to Te Awaiti on the Wairarapa Coast, some 50 kms from Martinborough entitled "The Beachcomer's Trail", with plenty of Africans featured. Reception from South America will continue to improve now, and Bryan Clark has provided us with a Mini Trail of Tropical Band Latins heard between mid February and early March, so listen out for these. Deutsche Welle's installations at Montserrat in the Caribbean has appeared to have commenced regular transmissions again with Bryan Clark reporting reception on 6145 kHz with sign on at 05:59 G.M.T.

TIMES IN G.M.T. (Add 12 hours for New Zealand Standard Time) FREQUENCIES IN KILOHERTZ

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
3355	0905	NEW CALEDONIA	Radio Noumea	with FF commentary at poor level.	CS
3360	0915	PAPUA NEW GUINEA	Radio Milne Bay	in Pidgin with News (?) and comment.	CS
3945	0755	NEW HEBRIDES	Vila	in Pidgin with station ID 0758. Music programme.	CS
4815	0643	UPPER VOLTA	Ouagadougou	ending FF news. African vocal music fair 10/2.	JM
4845	1840	MAURITANIA	Nouakchott	with AA commentary. Severe QRN at poor level.	CS
4905	0801	BRAZIL	Radio Relogio	Federal good opening in PP, quite regular.	BC
4911	1828	ZAMBIA	Lusaka	good in vernaculars, but bad teletype splash. Hymn prgm 1834 - 1903 then news talk.	BC
4990	1800	NIGERIA	Lagos	with EE news at fair level but noisy. JS. 1759 Radio Nigeria with EE news at fair to good level. PR	
4990	1853	SOUTH AFRICA	SABC	good at 1853 s/on with Interval Signal on top of RR. BW PP prgm with EE station ID. 1854 s/on at fair level over co-channel Yerevan	
5020	0825	SOLOMON ISLANDS	Honiara	in Pidgin at fair strength with comment.	CS /PE
5038	0503	CENTRAL AFRICAN EMPIRE	Bangui	fair improving to VG in Vernacs. FF ID 0527	BC
5990	1810	JAPAN	Radio Japan	in EE with Current Topics.	DF
6006	0830	COSTA RICA	Radio Reloj	in SS with Latin American music. Plenty IDs, poor.	CS
6135	1105	CHILE	Radio Universidad de Concepcion	fair but deteriorating. News till 1117 and then into classical music.	BC
6145	0559	MONTSERRAT	Deutsche Welle Caribbean Relay	with EE transmitter ID at s/on. GG till s/off 0950. Clear when Algeria off 0800.	BC
6550	1935	CHINA	Radio Peking	in EE to Europe // 7620, 9720, 11650.	PR
7105	0450	USSR	Radio Moscow	in EE to Africa mixed BBC Ascension. Fair strength.	JS
7105	0455	ASCENSION ISLAND	BBC Relay	poor with prgm to Africa mixed Moscow.	JS
7170	0521	TURKEY	Ankara	with Turkish anncts and music. Fair 18/2.	JM
7275	0700	TUNISIA	Tunis	with AA prgm to 0728. Mixed with Voice of Nigeria. Fair 12/2	JM
7280	1900	USSR	Radio Moscow	in EE to Great Britain & Ireland. Fair signal also announcing 6120, 6020, 6010, 5980, & 5970.	BW
7285	2030	WEST GERMANY	Deutsche Welle	in Czech.	DF
7295	1130	MALAYSIA	Penang	in EE with news and current affairs at good level.	GW
9420	0915	NORTH KOREA	Radio Pyongyang	with EE commentary. Good ID 0928.	CS
9455	0930	CHINA	Radio Peking	in EE, Interval signal, ID and into News at good level.	CS
9480	1635	USSR	Radio Moscow	fair in EE to Africa.	PR
9505	2000	AUSTRALIA	Radio Australia	in EE to Pacific. Fair signal but noisy.	JS
9520	0754	SPAIN	RNE Interval signal	0800. ID with SS prgm to Australia. Fair.	CS
9525	1000	SOUTH KOREA	Seoul	with EE General Overseas Service. Good //9580 fair.	GW
9535	0720	SWITZERLAND	SBC	with EE prgm on mountaineering. ID 0728. S/off 0729.	CS
9550	0500	IRAQ	Baghdad Voice of the Masses	in AA with news. Fair ex 9745 // 11726.	JM
9560	1600	USSR	Radio Moscow	in EE to S & SE Asia //9625, 9640, 9655, 9680. Good.	PR
9560	0902	SWITZERLAND	SBC	at good level //11780 poor.	PR
9570	0415	ROUMANIA	Radio Bucharest	with EE news. Station ID fair.	CE
9585	0401	HUNGARY	Radio Budapest	in EE at good level with DX programme.	PR

FREQ TIME COUNTRY STATION PROGRAMME & RECEPTION DETAILS 16 INITS

9585	0400	CLANDESTINE	Voice of the Communist Party of Turkey in Turkish to 0430 at fair level 12/2.	JM
9610	1927	PORTUGAL	Deutschlandfunk via Sines in Hungarian at good strength.	JS JM
9615	0458	BELGIUM	Brussels with FF for Africa at s/on. Fair 15/2.	JM
9640	0820	MALAYSIA	BBC Far East Relay in EE with World Radio Club at fair level.	CS
9645	1818	FRANCE	RFI in EE with music, news and ID at 1844.	CS
9715	0903	NETHERLAND	ANTILLES Radio Nederland with EE Letterbox Prgm. Very Good.	CS DN
9745	1749	FRANCE	RFI in FF with comment to 1815. ID 1815 at very good strength.	CS
9745	0859	ECUADOR	HCJB Quito in EE prgm. ID and religious prgm, good.	CS
9745	0536	CAMEROON	Yaounde mixed Moscow. Clear 0600. EE news 0610, FF news 0600. Very good level 5/2.	PE
9760	2100	GREECE	Athens good with EE news at 2115.	GW
9770	0830	NETHERLAND	ANTILLES Radio Nederland in Dutch to A/NZ. ID Int. Signal VG	CS
9780	0900	USSR	Radio Moscow fair in EE to Africa.	JS
11535	0830	NORTH KOREA	Radio Pyongyang with good signal with commentary.	DN
11600	0932	CHINA	Radio Peking with good signal carrying news in EE.	DN
11655	0500	ISRAEL	IBA Jerusalem with EE news and comment. Good.	CS
11690	0900	USSR	Radio Moscow fair to good in EE.	JS
11700	0408	CHILE	La Voz de Chile very good in SS. Frequent identifications.	JS
11705	1900	GUAM	KTWR with EE service. Poor.	PR
11725	2151	USA	WYFR Florida fair in EE PR. 2150 with EE for Europe fair ex 9630 1872	JM
11735	0415	ROMANIA	Radio Bucharest with EE service at good level.	PR
11770	0408	YEMEN	DEMOCRATIC REPUBLIC Aden very good in AA.	JS
11785	0815	AUSTRALIA	Radio Australia with Papua New Guinea Svce in EE, fair.	DF
11800	2202	CHILE	Voice of Chile good in EE on this new frequency. Prgm format is now half hourly language segments.	BC
11830	1512	USSR	Radio Moscow in EE to S & SE Asia at good strength.	PR
11840	1100	SRI LANKA	SLBC good in EE with Radio Monitors international prgm Sunday	GW
11840	0345	SEYCHELLES	FEBA opens in AA.	AC
11870	1845	SRI LANKA	SLBC good with daile EE test transmission.	GW
11880	1634	USSR	Radio Moscow in EE to Africa //12055 fair.	PR
11905	0345	IRAQ	Radio Baghdad with news and music in EE.	DF
11925	0315	PORTUGAL	in EE with station ID and music. Fair.	CS
11930	1710	FRANCE	RFI with News in FF.	DF
11935	0720	ALGERIA	Algiers Arabic Network fair 20/2 //9685, 15138.	JM
11940	0400	KUWAIT	Radio Kuwait strong in AA.	JS
11945	0230	SPAIN	RNE with news in SS.	DF
12085	1910	KUWAIT	Radio Kuwait good with EE requests & greetings. JS. Exc in EE.	GW
15012	1926	VIETNAM	Hanoi in FF. ID then news and music. Good but deteriorated.	CS
15105	0010	JAPAN	NHK Radio Japan with fair to good signal with EE news.	DN
15105	2004	GRENADA	Radio Grenada relaying Aust v West Indies cricket, fair signal with occasional commercials BW. EE request prgm 2057 Poor.	CS
15105	0645	AUSTRALIA	Radio Australia with good signal to East Asia.	JS
15105	1900	ASCENSION	ISLAND BBC with EE lessons. Fair.	PR
15110	1605	USA	WYFR with music and comment in EE.	DF
15115	1940	SRI LANKA	SLBC test to Africa //17850, 11870, 9720. PR Testing daily in EE anncing other frequencies GW. Test transmission to 1945 with music requests in EE. Fair to good. 1910 with requests on 15120.	CS
15120	2001	VATICAN	STATE good with Latin Religious Service.	CS
15125	1100	SWEDEN	strong in English to New Zealand.	AC
15138	0700	ALGERIA	Algiers AA Network with news on New frequency //9685 Fair.	JM
15150	2130	CANADA	RCI African Service with news and music.	DF
15160	0900	GREECE	Athens fair with EE news at 0915.	GW
15220	0600	SOUTH AFRICA	Radio RSA good in EE to Africa.	GW
15220	2035	MALAGASY	Radio Nederland fair with EE news.	PR
15225	2300	TAIWAN	VOFC opens in SS to South America, good.	GW
15235	0700	HOLLAND	RN Lopik EE to West Africa Mon - Sat ex 7210 20/2	JM

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITIALS
15240	1530	YUGOSLAVIA	Radio Yugoslavia	in EE. ID, news and comment very good.	CS
15260	0430	AUSTRALIA	Radio Australia	good in EE to the Pacific.	JS
15270	0928	FINLAND	Helsinki VG	but mixed with EE to North Africa Saturdays and Sundays. DX prgm Saturday fortnightly.	BC
15275	1230	AUSTRIA	ORF	in English to Asia. Good.	GW
15290	2300	ARGENTINA	Radio El Mundo	good in SS with pop music prgm.	BC
15315	1615	FRANCE	RFI	with comment and news in FF.	DF
15335	2330	COLOMBIA	Radiodifusaro Nacional de Colombia	good with SS ID. "Noticias Colombiana".	BC
15340	0545	ROUMANIA	Radio Bucharest	in EE for Africa fair 24/2 //11830.	JM
15395	0730	CZECHOSLOVAKIA	Radio Prague	sometimes good in EE //11855, 21700.	GW
15400	2341	VENEZUELA	Radio Nacional de Venezuela	with full ID in SS at s/off. Fair	BC
15405	2107	ECUADOR	HCJB Quito	in German to Europe //15300 ex 11955. poor.	PR
15410	2245	RWANDA	DW Kigali	good in German.	JS
15425	1740	FRANCE	RFI	with prgm "Paris Calling Africa" in EE.	DF
17705	1615	CZECHOSLOVAKIA	Radio Prague	with DX competition letters.	DF
17710	1800	CHILE	La voz de Chile	with 1/2 hour prgm in German then into PP. Fair/gd.	JS
17710	1700	PHILIPPINES	VOA Tinang	with test transmission. (This is correct Paul-JA)PR	PR
17725	0630	AUSTRALIA	Radio Australia	with news and music.	DF
17780	0930	SOUTH AFRICA	RSA	hrd opening mixed with DW. 0600 strong in EE using 500kw Transmitters.	AC
17885	0930	FINLAND		in EE to New Zealand with Mailbag Sundays. AC. Excellent.	GW
17800	2259	TAIWAN	VOFC	with SS prgm and news 2315. Fair 11/2.	JM
17805	1632	USSR	Radio Moscow	with African Service in EE at fair level.	PR
17825	0258	JAPAN	Radio Japan	good with SS s/on. JS. 0810 Current Topics in EE.	DF
17830	1815	GREECE	Athens	good with EE news for South Africa. //11925 gd 15345 poor.	BC
17870	0800	USSR	Radio Moscow	opens over RA with EE to Australia/NZ.	GW
17880	0100	JAPAN	Radio Japan	with EE news.	DF
21640	1830	NETHERLAND	ANTILLES RN	opens in FF fair JS. Fair in EE 2018.	PR
21670	0800	USA	AFRTS	heard on this high frequency past 0900. AC. 0100 EE good.	GW
21680	0100	AUSTRALIA	Radio Australia	excellent in EE with prgm to Asia.	GW



LATIN AMERICA - MINI SURVEY

from BRYAN CLARK

A list of Tropical Band South Americans heard on 60 & 90 metres from 17/2/78 - 4/3/78.

3390	HCOT 1	Radio Zaracay 1058.	5025	HCEV6	Radio Splendit 0635.
3985	HCEB 5	Esc Radiofonicas 1052.	5030	YVMK	Radio Continente 0911.
4755	HJEU	Em Nuevo mundo 0617.	5040	OCY4Y	Radio Libertad de Junin 0622.
4785m	HJLW	Ecog del Combeima 0759.	5045	Radio	Educativa de Para 0901.
4790	OAX8F	Radio Atlantida 0903.			
4800	HCEB5	Radio Popular Independiente 0838.			
4815	UNID	Todelar Colombian - assumed Guatapuri 0613.			
4831	TIHB	Radio Reloj Costa Rica 0658.			
4860	OB24Z	Radio Chincaycocha 0715.			
4866		Brasilian believed Sociedad feira de Santana 0800.			
4895	OAZ4T	Radio Chanchamayo 0636.	5060	HCEH 3	Radio Progreso 0831.
4900	YVNK	Radio Juventud 1047.	5095	HJGG	Radio Sutatenza 0901.
4905	ZYD7I	Radio Relogio Federal 0801.			
4945	HJDH	Radio Colosal 0700.			
4965	HJAE	Radio Sante re 0700.			
4970	YVLK	Radio Rumbos 0700.			
4985	ZYXZ	Radio Brasil Central 0705.			
4990	YVMQ	Radio Barquisemeto 1050			
5010	HJOX	Radio surcolombiana 0619			

Radio Colosal

SW MAILBAG Bill Huddleston, Auckland has 32 reports away & veries in from: RM Khabarovsk 11690, Chita 21515, AIR Delhi 9525 (23 mths!), Malaysia 15290 Vatican 15120, Burma 5986, Sweden 17845, Budapest 17715, DDR 21465, BEC 15260, ORU 21475, RA Canarv.17745, KTWR 17755, Finn 21495, RFI 15425, ORF,

The results of a DXpedition made by Bryan Clark and Tony Marr of Wellington to Te Awaiti, on the Wairarapa Coast 52 km from Martinborough from the 3rd to the 5th of March. RECEIVERS Yaesu FRG-7 and Drake SPR-4. ANTENNAS: 60 & 90 metre single dipoles to Africa, longwires 500 feet to the W-NW, 1250 feet to the NE and 300 feet to the S-SW.

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>
3222	0614	TOGO	Lama-Kara only	at poor level 4/3.
3250	1830	UNIDENTIFIED	African	at quite good level. Unlikely SABC on 4/3.
3289	1845	MALAGASY	Tananarive only	at fair level 4/3.
3366	0608	GHANA	Accra	very good with EE news. Best ever heard. 4/3. Also 3350 at fair strength and 4915 good.
3396	0611	NIGERIA	Kaduna only	poor 4/3.

3881	0735	UNIDENTIFIED	with uninterrupted popular music, good copy but going downhill by 0830. Colorado Ham on same frequency was complaining about it's S6 signal 4/3.	
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4760	1910	SWAZILAND	TWR Manzini	fair with hymn programme 4/3.
4765	1830	CONGO	Brazzaville	fair with indigenous music 4/3.
4770	0640	LIBERIA	ELWA	fairly good with hymn programme 4/3.
4815	0615	UPPER VOLTA	Oaugadougou	poor to fair 3/3.
4825m	0607	UNIDENTIFIED	African	here again 4/3 at fair level. Last heard on our 4/77 DXpedition to Te Horo.
4845	0700	MAURITANIA	Neuakchett	with regular and steady signal.
4870	0543	BENIN	Cotonou	in FF. Another regular signal.
4890	0640	SENEGAL	Dakar	with weak signals.
4904½	0542	CHAD	N'djamena	'deck chair copy' always.
4911	1828	ZAMBIA	Lusaka	in vernaculars, fair. Church service 1834 - 1902 4/3.
4910	0610	GUINEA	Conakry	with weak signals.
4915	1848	UNIDENTIFIED	African	good, but rapidly deteriorating with vernaculars and 'highlife' music 4/3. Kenya here in the past.
4990	1915	SOUTH AFRICA	Radio RSA	in PP good and steady past 1945.
5010	0540	CAMEROUNS	Garoua	very good with Koran chants 4/3.
5038	0503	CENTRAL AFRICAN EMPIRE	in vernaculars,	almost peaking excellent 0527 with FF identification 4/3.
5045	0520	COOK ISLANDS	good clear copy.	Earliest we've heard 'em.
5047	0527	TOGO	Lome	poor. A dominant in past years.
5050	1828	TANZANIA	Dar Es Salaam	fair signals 4/3.
15105	1945	GRENADA	Radio Grenada	with West Indies v Australia Cricket Test at fair level after BBC sign off. Earliest ever heard here 4/3.
15190	1900	CONGO RTVC	Brazzaville	fair in FF past 2030.
15308	1820	GUINEA	Conakry	good and regular in FF.
15435	1809	TANZANIA	Dar Es Salaam	poor signals.

<u>BANDWATCH CONTRIBUTORS</u>	<u>AC</u>	<u>Arthur Cushen</u>	<u>GW</u>	<u>Gavin Waters</u>	<u>BC</u>	<u>Bryan Clark</u>	
<u>PR</u>	Paul Rawdon	<u>BW</u>	Barry Williams	<u>JS</u>	Jack Searle	<u>DF</u>	David Feldon
<u>JM</u>	John Mainland	<u>DN</u>	Daryl New	<u>CS</u>	Cecil Symmes	<u>PE</u>	Paul Edwards

Late Bandwatch items from AC: 6100 Radio Yugoslavia with new slogan & EE Nx at 1800; 9765 Austria s/on 0700 ex 9770; 11780 Berne 0700 ex 11775; 11785 Brazilian s/on good signal 0900; 11922 Chile in EE 1100 another new frequency; Cairo 15375 with 'Voice of Africa' in EE 2030 to 2200; 15435 Tanzania at 0400 with time sigs & EE nx. BL has 7270 Poland in EE fair 0630; 15120 Nigeria s/on in EE very weak at 0555; 15150 Cologne to Africa EE 1935. Sori no more room.

ARTHUR CUSHEN'S SHORTWAVE REVIEW

19

The rapid rise in the sun spot count is evident from the March 5 frequency changes with several stations using the 13 metre band with services to New Zealand. Chile and Egypt have been heard on new frequencies while many other stations have notified new channels for our autumn reception period. This material was broadcast over Radio New Zealand medium and shortwave on Sunday March 5. All times are GMT, 12 hours behind New Zealand Standard Time and all frequencies are in kHz.

Australia: Radio Australia is using three frequencies in the 13 metre band from March 5, 21525kHz 0400-0630GMT: 21570 0730-1000; 21680 0000-0930.

Canada: Radio Canada from March 5 in English to North America 0200-0227 5960, 9535, 9605, and 11845; 0300-0327 same frequencies; 0400-0427 5960 and 9535kHz. 11845kHz replaces 6185.

Chile: Voice of Chile heard on several new frequencies noted on 11922kHz with English at 1100GMT. On 17712kHz with English at 1930 and 2200GMT and also on 11799, 15135 and 15150. Each language programme is now 30 minutes long.

Colombia: Radio Nacional Bogota is expected later this year to broadcast daily in English to North America and Europe. According to the Director-General in an interview on the Austrian radio he said that three frequencies would be used, reports Douglas Doull of Auckland. The 1978 World Radio Handbook gives the frequencies as 9655, 9685, 11795, 11825, 15335 and 17885kHz as the channels assigned to the station.

Ecuador: HCJB to the South Pacific from March 5 on 6130kHz 0600-1130; 9745 0700-1030; 11900 0600-1130GMT. French observed 0200-0230 9745, 11835, 9745 replaces 9595.

Egypt: Cairo heard with new English service 2030-2200 on 15375. Earlier Arabic news heard at 1945 and Arabic continues after 2200GMT.

Finland: Helsinki announces a new English programme daily to Australia and New Zealand 0930-1000 on 17785kHz.

New Zealand: Radio New Zealand schedule up to May 6 to the Pacific: 1800-2015 9770; 1800-0045 11800; 2030-0345 15380; 0100-0620 11850; 0400-0730 15130; 0630-1030 6105. To Australia 0745-1030GMT 9620kHz.

Pakistan: Some broadcasts from March 5, English 0230-0245 on 17830, 21590; 1100-1115 15115, 17665; 2100-2145GMT on 6235, 7095kHz.

Sri Lanka: The SLBC DX monitors Programme with Adrian Peterson is now broadcast three times each Sunday. At 0315GMT, 9720, 15425; 1100 on 11835 (to Australia and New Zealand) 15120, 17850; 1900, 7190, 9720, 11870, 15115, 17850.

Sweden: Radio Sweden has made late changes for frequencies to New Zealand the broadcast in Swedish 0630-0830GMT is now on 21690kHz. In English 1100-1130GMT on 15125kHz. The station had planned to use 1505kHz but the Horby is not capable of making more than 16 frequency changes in its transmission and so 15125kHz has had to be used. The transmission on 17845kHz did suffer interference from Deutsche Welle but they reduced the power from 500 to 100kw and also cut down on the sidelobes of the transmission.

Switzerland: Berne is using 11780 in place of 11775 with English 0700-0730 and 0900-0930, frequencies are 9560, 11780, 15305, 17830kHz.

United States: VCA schedule to Oceania March 5 1100-1400 5955, 9730, 15155 and 2200-2400 17820 and 21610kHz.

..sign off..

REPORT FROM AFRICA Conakry 15308 has English 1830-1900 Mon/Wed/Fri; Yaounde Camerouns is heard on 9745 around 1730 GMT. The Voice of Zimbabwe is aired on Radio Mozambique 6005 at approximately 1800-1830 // 4855, 3265 & 1079kHz.

Colin Miller

ETHIOPIA Voice of Revolutionary Ethiopia's International Service uses 989 kHz MW and 7165 & 9610kHz SW, with EE 1700 (Nx 1730), FF 1800, Amharic 1900. Olema-Akio SCDX 24/1

RADIO FINLAND has retimed & extended it's EE broadcasts: "Sunday Best" continues 0800-0930 to Far East on 21495, to Europe on 11755 & 15270, a new broadcast daily to Far East 0930-1000 on 17785 and to Europe on 11755 & 15270. Other EE broadcasts: Europe/Nth Africa/Nth America 1300-1330 on 11755, 15105 & 15330. Sundays 1330-1400 on 1st 2 freqs only. Europe/Nth America 1430-1500 on 17870 & 15105. To Europe 1900-1930 on 11755 & 15265 and 2030-2100 on 9660 & 11755. To Nth America 2300-2330 on 9645 & 11735kHz. Gavin Waters

TAIWAN BCC's transmissions & powers - 0100-0200 Nth Am on 11825 25kw, 15345 25kw, 15425 250kw, 17890 50kw. 0300-0350 Nth Am on 15345 25kw, 17890 50kw and to Aust/NZ on 11825 25kw. 2130-2230 to Europe on 9510 50kw, 9600 250kw, 9685 25kw, 11825 25kw, 11860 50kw, 15225 100kw, 17720 50kw, 17890 50kw. These are EE broadcasts. NASWA/

WRTVH-NL via Listeners Notebook

market square

FOR SALE: Eddystone EC10 Mk II communications receiver, coverage 500kHz to 30MHz in 5 bands. 10 transistors, BFO, Signal meter, Fine Tuner, Stand-by Switch. Good condition. \$250. Contact John E. Marshall, 44 Downing Avenue Napier. Telephone 438-635.

WANTED "I cant even receive the RNZ National Programme decently in Twizel so I wish to buy a good communication -s receiver. All models considered, so please write to Greg McKenzie, 355A SMQ, Twizel."

RADIO YUGOSLAVIA is the new name for Radio Belgrade's External Service. The External Service from Spain is now identifying as RADIO EXTERIOR DE ESPANA.

SCDX

NEW ZEALAND RADIO DX LEAGUE

ADMINISTRATIVE OFFICE

P.O. BOX 1313, INVERCARGILL.

All matters re membership, policy, subscriptions & competition awards should be addressed to Invercargill.

STATIONERY OFFICE

New address to be advised.

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P.O. BOX 2956, WELLINGTON.

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

Advertising: 50 cents for up to 30 words. Other rates on request.

ANNUAL SUBSCRIPTION: NZ\$5.00

Joining fee surcharge of \$1.00 for new members only. Overseas rates available from Invercargill.

MALDIVES MIBS has recently installed 5 new transmitters, 3 Racals of 7.5 kw and 2 Marconi's of 30kw. Current schedule is: 3318 1300-1500 new 7.5kw - 3917 7.5kw has been tested here - 4740 commercial service with 7.5kw, soon to be 30kw here - 4754 tested in 11/77 with 30kw - 6152 (nom 6150) at 0500-0700 and 1100-1300 - 7213 (nom 7225) at 0300-0500 and 0900-1100 - 9558 (nom 9550) at 0700-0900 GMT.

Adrian Peterson RMI via SCDX

RADIO MOSCOW's main operating frequencies to Aust/NZ in the period 0800-1000 GMT are now announced as 17880, 17870, 15380, 15130 & 11690. G.Waters

KTWR GUAM's EE sked 5/3 to 6/5 is: 0900-1000 on 15115, 0900-0930 (EE/JJ) on 15155, 1000-1100 on 15155, 1100-1130 in EE or Cantonese on 15145 and 11865 or 11770 or 11810, 1430-1500 on 15145 and 11900, 2100-2130 on 15155, 0000-0100 (to 0130 Sat/Sun) on 17855, 0030-0100 on 17830kHz. EC

PARAGUAY Currently active stations are 5980 (nominal 5975) ZPA6 Radio Guaira 0900-1800, 5995 ZPA15 LV de Amambay 24hrs, 6015 ZPA10 Emisoras Paraguay 0930-0400 1kw, 6025 Radio Nacional (soon to 100kw) 1000-1800 & 2100-0300, 6110 ZPA11 Radio Charitas 1kw 1000-0330, 9735 ZPA1 R.Nacional 100kw 1000-1800 & 2100-0300, 15210 ZPA7 Radio Guarani 0930-0300 1kw.

DSWCI via NASWA Listeners Notebook