



NEW ZEALAND DX TIMES

Volume 25 No.3.

November, 1972

"THE TIMES THEY ARE A-CHANGING"

With this issue, The New Zealand DX Times enters a new era. For 24 years loyal groups of members in Invercargill, Dunedin and Christchurch have been responsible for the compilation, duplicator printing, collation, wrapping and dispatching of the Times. The offset printing process, introduced with this issue, will mean that many onerous man-hours are saved, enabling your new Magazine Committee to devote most of their time to upgrading the material content and presentation of the Times.

Our plans are many...but first we will need to master the offset medium and all the exciting avenues it offers in layout and pictorial presentation. Starting with this issue we introduce changes in the Shortwave sections, which we hope will ensure members receive the maximum benefit from the observations of fellow members and assistance in furthering their enjoyment of the DX hobby.

With League membership approaching 300, we are surely the largest DX Club in the Southern Hemisphere, and it is our hope that, with your help, the Times will rank high amongst the leading DX publications of the world. We look forward to your support with contributions, ideas and constructive criticism. Ultimately, the future success of the Times rests with all members who, by contributing regularly, ensure that the DX content of the magazine is maintained at a high standard. Let's hear from you next month!

BC

GLOSING DATE FOR NEXT ISSUE: WEDNESDAY 6 DECEMBER. ALL
CONTRIBUTIONS & LADDER TOTALS TO BOX 2956, WELLINGTON.

From Headquarters

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FROM THE PRESIDENT.

I would like to express, on behalf of the Administration Committee and members, our best wishes to the Magazine Committee as the League enters a new era in the publishing of The New Zealand DX Times. We wish them an enjoyable and worthwhile time throughout the many years we trust Wellington Branch will continue to produce our magazine. And let's flood them with news and notes...I am sure they can take it.

To that faithful band who this month relinquishes executive positions, may I say thank-you...and that seems so inadequate for the hundreds of dedicated hours spent in devoted service to our organisation. Jack Fox has occupied an official position for 20 years, Des Lynn equally as long, Ross Gibson attended his first Board meeting in 1955, John Knight, Mick Frost, and Ian Peterson served The Times for 10 years, George Beardsmore filled many executive offices, while Peter Aburn, Don Reed and Keith Robinson have given faithful years. Thanks, fellows. Let's hope you find plenty of time to DX in your newly-found leisure.

Merv Branks

FROM THE BRANCHES

CANTERBURY.

Competition results from September meeting: Broadcast N.Am KVET 1300 1kw to Don Reed, Open to David Ricquish with JOVR 1400 5kw, A.NZ 5MU 1460 2kw entered by David Dwyer. Shortwave over 9 MHz Finland 21605 1kw Lance Johnston, Under 9 to Nick Kendall with Radio Buea, Cameroons, 3970 8kw.

SOUTHLAND.

The monthly meeting at Eric McIntosh's saw 13 present, including Arthur Williams from Twizel. Merv Branks reported on the AGM at Oamaru and, with others who attended, also answered questions arising from the AGM minutes. Noel Parry and Stephen Greenyer were elected to fill the vacancies for Vice President and Stationery Secretary respectively. Competitions: BCB WNEU 1600 5kw and merit Saudi Arabia 885 50kw both to Ray Crawford. SW over 9 Stephen Greenyer RSA 21535, under 9 Noel Parry with Ankara Met. Radio 6900.

WELLINGTON.

11 attended the October meeting, with the main topics of discussion being the League AGM and the forthcoming production of the Times in Wellington. A letter from former CBC Listeners Corner host Earle Fisher confirmed that he would be in NZ early in 1973; a special gathering is planned to coincide with his visit to the Capital. Competition results were: SW Senior: RSA 21490 John Mainland, CFVP 6030 Keith Rogers, SW Junior: Finland 11755 Nigel Robins, Daru 3305 Tony King, BCB George Masson WWDC 1260, Ute. Netherlands PTT 10735 Keith Rogers. Next meeting at 30 Burrows Ave. Karori 2.30 pm 26 Nov. Guest speaker Bill Hamer will speak on "Radio in the 40's" and "Hams via Satellite".

BROADCAST DX with George Masson

Well, here goes my first attempt to follow in the footsteps of Keith Robinson's excellent efforts in these pages. The success of this section depends largely on all you DXers out there in Radio Land, so keep those cards and letters coming in Folks!

Last month saw more quality DX with some good catches reported. Down South, good nights appear to have been October 8 and 30; in Wellington-Hutt, October 29 was exceptional, with plenty of activity on the 250w channels 1450 and 1490. Now lets check the mail in Box 2956.....

JOHN NEWMAN, Twizel reports XEPRS, KFAC and KGIL. Veries in from 1ZN, WWL, 4QR, 4TO, KGIL & XEPRS.

BRIAN WITHERS, also in Twizel, has nil QSL's but logs of 2GN, 3CV, 6BS KING & KHSL.

PAUL ARONSEN, Invercargill has a lone(ly) verie from Noumea 670.

GAY STEVENS, Christchurch has logs of A3Z, Fiji 890, WLS, KOGO, CKLG, 2ZA, 4XO, 3SH, WSUN, 3ZC, Cuba 590, KSCO, KPNW. No veries..yet!

GRAEME SHILLITO, Karitane reports logs of WMT 600, KMVI 550, KRVN 880 KFH 1330, AFNT 1550, BED96 900, 1ZA CMAN 550, 1ZK & Fiji 1470. Veries from WMT, JOBB, 6VA, 4QY & Masirah 1410. (Thanks Graeme, some good logs & very good BOM entry. Would like to have had them in the Trail.)

LINDSAY ROBINSON, Inv'gill has QSL-ed 2NU, 2YZ & 5AD (plus car sticker)

DENE LYNNEBERG, Titahi Bay reports KGW 620, KICY 850, KIVM 1350, KROW 1460, JOPC 1150, 2BY, CJCI 620, 6TZ 6BY 2nd, KKON 790, KELI 1430, KPMC 1560. Veries are nil. (The old bug's biting you again Dene. Tx for Trail)

SUTTON BURTENSHAW, Inv'gill has logged 2LM, 7AD, 6ED, 6WF & Fiji 710. (May you have undreamed-of loggings and 100% veries.)

BRYAN CLARK, Wellington has a QSL from KTRN 1290 (1kw) and logs of CHWK 1270, KGA 1510 (3rd try), and KIKI 870 (positive!)

NICK KENDALL, Ch'CH has reported 5LC JOAK, WSZD, KHVH. QSL'ed Iraq 908, A3Z, Israel 737, Vatican 1529, Jordan 800, Kuwait 1345, Saudi Arabia 885 & 3Z0.

ARTHUR CUSHEN, Inv'gill has reports out to Teheran 841 & WSZO 1440.

ARTHUR WILLIAMS, Twizel has QSL'ed XET, CKLW and logged HJCN & KABC, (2nd report)(Am writing..GM)

MERV BRANKS, Inv'gill has reported 2CO, 2XL, 4qR & Radio Fiji 640,810, with Hurricane Bebe. Verified are JOHK, JORK, JOKK on Olympic Games, 3HA & 4GR.

LANCE JOHNSTON, Christchurch has logged KRVN 880, KOGO 600, Cuba 590 KSCO 1080, WSUN 620, XEMO, A3Z 1020 & Fiji 890. Verie from Munich 1196. (Good effort Lance. How about some in next month's Trail.)

FRANK WILSON, Dunedin (Longbeach) has logged KACE 1570, KSD 550, KXXX 790. Verified KLVI 560 his 79th Texan & 1554th verification. (We cant hear 1440 too well here..NZ carrier too strong.)

BRUCE CAVANAGH, Inv'gill has only veries this month: 2CP, 4KZ and Indonesia 1334.

ROBIN CHAMBERS, Opunake (our DX forecaster!) has verified 1ZN & Svobodnyi 584. Reports out to India 1060, Zahedan 777, Tomsk 1025, Coimbra Portugal 1448 (with tape) & Peking 730.

ALAN CRAWFORD, Inv'gill has logged 4BU, 4GR, 3CS, 5CL, 2NC. Veries in from KOA, 3YB, 2RG, 8DN & 2ST.

RAY CRAWFORD, last of this month's strong Southland contingent has reported 5SY, Bangkok 1550, Radio 20 1520. Veries WROK, WNEU, KQUA, CKLW, CHUM, WGN, HJCX, KHAI, & Damman 885.

GEORGE MASSON, Upper Hutt has reported WWDC 1260 WFBM 1260 KBOI 670, KLOG 1490, KAYE 1450 2nd, KEED 1450, CHWK 1270. Veries in from WFBM and WWDC.

BEST OF THE MONTH

SENIOR

- 1st - WWDC Washington D.C. 1260 khz 5kw 146 points
George Masson.
- 2nd - WNEU Wheeling Virginia 1600 khz 5kw 140 points
Ray Crawford

JUNIOR

- Saudi Arabia 885 khz 100kw 113 points
Nick Kendall

BROADCAST TRAIL

EVENING

- | | | | |
|-----|---------------------------------------------|------|----------------------------------------------|
| 540 | CBK fair 7. 'This is CBC Radio Network.' DL | 900 | CJVI 6.35 good with Grocery Jackpot DL |
| 550 | KSD 9 - 9.10. 30/10 FW | 940 | KFRE 6.40 thru 2ZA DL |
| | ZK2ZN 7 fair/good pop | 950 | KJR 6.12 good rock DL |
| | 'Bad Moon Rising' mixed | 1000 | KOMO 12.58 wx nx DL |
| | KMVI DL | 1010 | CBR 6.25 fair with mx DL |
| 560 | Fiji good 7 GM | 1020 | A3Z 6.15 strong DL |
| 580 | KMJ 7 News DL GM | 1030 | WBZ ID and telephone show |
| 590 | KGMB 7 Coconut Wireless jingle DL | 1040 | KHVH 6.30 over 4ZB DL |
| 600 | ZK1ZC Island mx good 7DL | 1070 | KNX 7.05 thru 1ZB DL |
| 620 | CJCI 7.07 ID jingle over KGW fair DL | 1080 | KSGO 6.13 nx DL |
| 650 | KYAK 7.45 weak under KORL with C & W DL | 1090 | KING 6.15 very good GM DL |
| 690 | KKUA 7.50 thru 3YA DL | 1120 | WVUV 6.30 good DL |
| 700 | WLW 6.25 fair/good DL | 1170 | KOHO 6.25 good Jap DL |
| 710 | KMPC over Fiji 7.38 BC | 1260 | WWDC good 6.24. Earl Robins all nite show GM |
| 730 | CKLG 7.51 vg pop DL | | WFBM fair/good 6.24 to 7 mixed WWDC GM |
| 740 | Tahiti 6.05 French imp- -roving DL BC | 1270 | CHWK VG 7.20-8. pops and ads BC GM |
| 780 | KCRL thru 4YA 7.55 Nx DL | 1290 | KNDI 6.35 good DL |
| 790 | KKON 7 ID and CBS nx over KABC DL | 1320 | KHSL good 7.30 wx DL |
| 820 | WBAP 6.40. thru 4ZA C & W DL | 1380 | KCPX on top from 8 FW |
| 844 | VZS1 7.11 good with shipping report DL | | KPOI Mx for You 6.39 DL |
| 870 | KIKI orchestral 19/10 vg. Freq zhanghe ? BC | | WMEE good 6.55 Nx GM |
| | | 1420 | KRKO mixed WLCY 0900 BC |
| | | 1430 | KCCN 7 through 120 DL |
| | | 1448 | KALI 6.30 good Sp Nx DL |
| | | | Coimbra Portuguese weak fair 6.40.7/10 RCh |
| | | | all Port. good this nite |

EVENING TRAIL (CONTINUED)

1450 KAYE/KEED 7.50 mixed.
Id's 8. and 8.01 29/10.
1490 KLOG 8.20 fair mx
Id 8.30 29/10 GM
1520 KOMA thru 12U 6.35 DL
1570 XERF 6.14 religious.
KACE 7.41 on top at
times. FW.
CHUB VG 7.15. GM BC
1580 KDAY 6 Wolfman Jack DL

908 Bagdad 5.10 Arabic good DL
917 Easterner arabic type DL
5.10. RCh
940 KAHU 3.40. C&W fair DL
1000 KOMO 12.58. Wx nx DL
1060 Rampur good 4.50 RCh
1290 JOHR 6 good Jap Eng//
1400 1450 DL
1310 KNUI 2.50. ads in Fili DL
1330 JOSF 6 VG with jap ID DL
1350 JOER good 4.20 DL
1400 JOQL 4.40 good // 1290 DL
1450 DL
JOVR JOVR 4.40 good mixed.
1440 KUHL opening 1 exc FW
1450 JOQM 4.45 mixed JOKF DL
1529 Vatican 5.29 ID after
Russian transmission
then mixed USSR P & P DL
1546 USSR 5.38 good with
European svc in Ital. DL

MORNING

548 Vladivostock with
programme 2 (Mayak)
Ent sig 4.30 RCh
550 KENI weak under
KMVI 3.45 DL
575 USSR 5.15 good Russ
in // 593 fair/gd
6.29. DL
560 Fiji all nite 22-24
Oct for Hurricane BB.
// 640 680 710 810 890
930 1210 1320 1470 DL
590 KGMB 4 good. KHAR weak
under KGMB and Peking
3.50. DL
685 North Korea s/off 5
// 655 RCh
730 Peking strong 4.45
Indian under at times
740 DXMC 2.50 in Filipino
good Eng ID DL
750 HLKH 3 good Korean
march mx and anns DL
760 KGU 3.15 good thru
1YA DL
777 Zahedan Exc 4.27
Single pip and ann.RCh
Radio Zahedan at 4.30
790 KXXX 12.10. VG FW
Singapore 3 Eng Exc DL
HLKJ 4.35 good after
Singapore off DL
800 Jordan 5 Arabic fairDL
818 Batra 5.05 Arabic gdDL
850 HLAU 3.30 good Kor DL
KICY 4. nx 5 nx DL
854 UNID European 5.25 DL

DX FORECASTNovember

United States: Peak 7 to 8.p.m.
and later towards end of
month.

Cubans: Around 8.30.p.m.

Asians: 8.15 - 9.30; Again 12 - 4am.

Hawaiians: Good 3.15.a.m.

Europeans: 4.30 - 5.30.a.m.

Middle East: 4.30 - 5.30.a.m.

December

North Americans: 7.30 - 8.30.p.m.

Pacific States peak 2.30am

Central America: 8 to 9.p.m.

Pacific Is: Peak 8.30.p.m.

Hawaiians: Good 3.30 - 4.a.m.

Asians: From 8.p.m. Philippines
around 10. Often VG 3-4am

Canary Is: Sometimes brief app-
earance 8 to 8.45.p.m.

We hope this feature will be of
interest and benefit to most
members. Of course it is a guide
only - there is no substitute for
perseverance and luck !

Your forecaster -

Robin Chambers, Opunake.

SHORTWAVE MAILBAG

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with John Mainland

To begin, notes from Nick Kendall and John Hillier which unfortunately missed last issue.

NICK KENDALL, Christchurch had a profitable October with logs of Upper Volta 4815 0559, Singapore 5052 1530, AIR 3355 1612, Accra 3350 0534, Ejura 3366 0555, ELWA 4770 0615, Ivory Coast 4940 0618, Guyana 3290 0955, 4VEH 11835 1100, Qatar 9570 1500, Malaysia 5965 1545, Nigeria 4990 0529, Gambia 4820 0659, Sarawak 4950 1515, Gabon 4777 0515, FEBC 3345 1123, Nordsee 6205 1902, Buea 3970 1826, Mali 5995 0731, Bangladesh 15520 0045, VOA Munich 3980 0515, and at Wanganui RN-Mad 7295 2126, Vila 3945 0709, ABC Port Moresby 3925 0743, OEY21 6255 1941, Nigeria 15185 0700. Latest reports to Mozambique 4925 1656, Lesotho 4800 1750, Nepal 5000 1342, Afghanistan 4775 1416, Maldives 4740 1607, Angola 5060 1602 (Where was Aden that morning Nick?) Mongolia 4085 1326, Yugoslavia 15240 1533. Veries in from Gambia 4820, Vila 3945, Burma 5040, Finland 21595, Mozambique 4855, Nigeria 15185, Guyana 3290, Springbok Radio 3997, Jerusalem 9009, Ghana 3350, plus WNTV1 Ch2. Some nice ones there Nick !

MALCOLM MACFARLANE, Wanganui has been swotting for exams lately so has only gathered veries, from Belgium 15235, FEBC 11890, OEY21 6255, Ghana 4915.

PETER GRENFELL, Oamaru has logged Kerema 3245 1130 Special, WINB 17720 2030, RN Mad 15195 1127, DW 9510, 11865, 2200, TWE Lisbon 9660 2000 (Do you mean IBRA Sines?). Veries in from Dacca 17920, Vilnius 15210, Guyana 3290, RN Mad 15195, Kerema 3245 (with car sticker!) Warsaw 6135. Thanks for kind wishes Peter.

JOHN HILLIER, Masterton, has had a couple of busy months with reports out to RA Lyn 15240 0259, 15160 0522, RA Shep 5975 1523, 15320 0330, 17820 0343, 15405 2350, 11790 0005, 9570 1024, 17795 0437, RA Dar 15355 0219, 17715 0400, 17870 0410, R Japan 9560 1411, 9765 1003, 17825 0815, 17880 0613, 17855 0606, 15390 0513 ???, 15195 0700, 15235 1025, 9505 1100, Canada 5970 0840, 9625 0902, 15325 1225, 11720 1236, Portugal 11935 0225, 11840 0215, Belgium 15235 2305, ORTF 17730 0519, 11860 0529, BBC 9640 0710 15390 0920, Prague 9605 1700, 11855 0700, VOFK 9640 0904, Kuwait 15345 0530, Ned Bonaire 9715 0820, 11730 0720; QSL's in from Tashkent 11925, AFRTS DL6 6110, ORTF 9700, 11920, ORU 15235, Japan 9605, DW Julich 9545 Japan 15235, Netherlands 11730, Kuwait 15345, Montreal 11845, DW/CBC 9625, 17845 Jul, 11945, 9765, 9545, Poland 11815 RA on 13 frequencies.

JOHN SAUNDERS, Paekakariki. No veries but 7 reports listed in Bandwatch.

MIKE HIGHLEY, Wellington has reports to 8 stations, recorded in BANDWATCH.

DENE LYNNEBERG, Titahi Bay has sent out 7 reports this month and received veries from RN Mad 17810 DW/CBC 11865, Springbok Radio 3997 and Sierra Leone 3316. Good!

GAY STEVENS, Christchurch has logged DW 15185 0920, Japan 7195 0945, ORF 21585 1000, RA Shepp 17715 2335, Lebanon 9550 0235 (note freq), Prague 9630 0300, VOA 9545 0400, SBC 9750 0445, DW 9545 0500, HCJB 11915 0340, SBC 11715 0430, Finland 21605 0600, What no veries ?

PETER HERMAN, N.S.W, from a new QTH has logged Korea 1200 9640, Sweden 11940 0515, RA Dar 15395 0720 (note transmitter), Rome 11810 0310, Budapest 11910 0100, Peking 11720 0830, with QSL's in from DW 11795, Prague 11855, Seoul 9640, Nederlands & pennant 9770, Sweden 11940, Portugal 17880. Antenna sounds a beauty. Ladder totals next month. Thanks for best wishes.

BRYAN CLARK, Wellington reported 9 stations during November and received QSL's from RN Mad 15195, VOA Greenville 21535, Vienna 21585, CBC/BBC 21600. Now using an Eddystone 680X so watch out !

ALASTAIR STEWART, Oamaru has logged RA Shepp 9535 2212, RA-D 11945 0930, 6055 1050, Oslo 17800 0800, Montreal 15325 2200, RN Bonaire 15320 2255, RN Mad 21480 0904, Japan 21570 0800, Vienna 21585 1000. Rewards in from Oslo 17800, RA Shepp 9535 & 9740, Georgetown 3290, TWR Bon 11815, Cairo 9475, HCJB 15115, RNE 11925. Thanks Alastair.

TONY KING, Wellington reported Kerema, QSL'd Daru.

JOHN NEWMAN, Twizel reports out to RA 21485, 6055, 21550, 17795 21740, 15405, 6100, 15295, 9740 17880, 15140, 11945, 11790, RN 9770 0800, Morobe 3220 1100, Milne Bay 3235 1145, VLW9 9610 0900, Belgrade 6100 2100, SBC 11715 0145, YVMS Universo 4880 0955, ELWA 11975 0330 (This seems too early for ELWA), ETLF 15250 0430, Sweden 11705 0100, 11940 0515, Iran 15084 0140. QSL's in from Altiplano 5045 (How did you do it ?) RRI 6070, RNE 15145, Prague 9540, Malaysia 6175, Vila 3945, RN 9770, VLW9, Milne Bay 3235, DW 7285, SBC 9590, 11715, Sweden 11705, ORTF 9700, ETLF 15250, RA 8 freqs.

PAUL ARONSEN, Invercargill lists veries only from Mt Hagen 2450, VOA Monrovia 7280, Spain 9760, Holland 7275, Italy 9630, HJGG 5095,

ARTHUR GUSHEN, Invercargill has reported Brasilia 15455 0255, VOA Dixon 15205 0400, 11890 0400, Karachi 21730 0900, WINB 15185 2200, RBI 21500 1000 Montreal 5960 0600, FEBA Seych 11955 1800, RA Dar 15405, 11945 0930, Lagos 7255 0600, HCJB 11715 2030, RN Mad 15195 1100, Verifications to hand from VL8AS 3360, Rome 5990 7275, 11905, RN mad 11890, SFB 6190, Japan 11960 11780 9730, Tashkent 15415.

BRYAN WITHERS, Twizel with a quickie this month. Reported DW 7285 2100, 21600 1045, and Finland 21595 1000. No QSL's.

KEITH ROGERS, Lower Hutt has one QSL CFVP 6030 100 watts !

DAVE DWYER, Christchurch has a QSL from Finland 21595. (Just made it Dave !)

NIGEL ROBINS, Wainuiomata has had a bumper month with reports out to 35 stations and veries from SBC 15430, RN Bonaire 15220, Sweden 11940, Baghdad 9745, Japan 11960, VLT9 9520, ORU 15235, Finland 11755, CFRX 6070, RA Lynd 15160, Rome 11800, VLW15 15425, Brasilia 11720 with pennant, Austria 15250.

LINDSAY ROBINSON, Invercargill has logged CEG/BBC 21600 0745 5980 0717, Austria 21585 1000; QSL's in from VL8AS, Austria 17795, SBC 17835, BBC/FES 15435, Sweden 11940, Portugal 21495, RA Darwin 11945, Prague 6145, 11855 RBI 17725 Tahiti 15170; Looking forward to seeing you at New Year.

BRYAN MARSH, Auckland has logged LRA31 6060 1005, CP38 5045 0700 PRF6 Bare 4895 0915, ZYN32 15445 2100, VLT9 9520 0730, OAX7F 9570 0830 (Where was Australia?) Sri Lanka 17830 1050, Finland 9550 0600, Pyongyang 15150 0800, South Africa 21490 0900. Lone verie Finland 9550.

ARTHUR WILLIAMS, Twizel has logged Norway 11850 0000, Sweden 11940 0515, Moscow 9750 1230, Finland 11755 0600, Kerema 3245 1130, Poland 6035 0600; Rewards from RA 9570, Norway 11850;

LANCE JOHNSTON, Christchurch loggings as: Norway 17800 0800 Japan 7195 0945, DW 15185 0920, Rhodesia 3306 1840; Veries in from RA 9535, Sofia 9700, Brazzaville 3232.

BRUCE CAVANAGH, Invercargill has veries only this month. RA 11790, Tahiti 15170, Prague 11990, Morobe 3220. Busy boy now.

MICHAEL POLLARD, Temuka, frustrated by a fused receiver has only logged RA Shepp 9740 2215.

Michael however has QSL's from 8
VLM4, RBI 9730, Israel 9009, ORF 11725, Tashkent 11730, ORTF 9700, Portugal 6025. Hope exam results to your liking!

CHRIS MACKERELL, Nelson has logged Canada 11845 2100, VLM4 4920 0830, VLT4 4890 1130. QSL's in from IBRA 9670 plus pennant, SBC 11715, RN Bon 11730, HCJB 11915, Sofia 9700, Belgium 15235, Peking 15060, XERMX 15125 plus pennant, RA Shepp 9740 plus pennant, Madrid 11925. A bit of flag waving here!

IAN WELLS, Milton, has logged SBC 9750 0430, AFRTS 6110 0715, Kuwait 15345 0500, BBC 7150 0545, UN 5955 0846, Western District 3305 1021, Milne Bay 3360 0907, Pakistan 9460 2003, Canada 15325 2100. QSL's from DW Werch 9545, VOA Wooff 6040, Sweden 11895, Israel 9009, AFRTS 6110, Western Dist 3305. A good report Ian.

ITO TSUKIGAWA, Oamaru has logged RFE 11725 0135, Tashkent 15115 1215, HLK5 9640 1200, AFN Taiwan 7215 1005, Kerema 3245 1120, Nederland 15195 1125, Vienna 21585 1000, UN 6145 1000. Veries from RFE 11725, HLK5, Kerema 3245 plus sticker, Vilnius 12030. (Still waiting for my Kerema. AK)

COLIN CAMPBELL, Rotorua has reported Lisbon 21495 0806, Cuba 15140 (note) 2010, CBC 5980 0740, Solomons 3995 1000. Veries in from Sweden 11940, RAI 17795, Bangladesh 15520, BBC Tebrau 9740, SBC 11775 15305 9590 11715. Thanks for info and invitation Colin.

JOHN Mainland, Wellington has 13 reports noted in the BandWatch and veries from Dacca 17935, Tashkent 15415, RN Mad 11730, Paris 11860, Vienna 15355 17780 11855 15250 21585;

JOHN MAINLAND has also verified BBC 15260, RSA 21490, Havana 9525, 15365, Madrid 17805, DW Sackville 11865, Amman 11810, Luanda 9535 11875. 9

FRED CLEMENTS, Wellington has sent in a long list of recent observations for Shortwave BandWatch. For two weeks in December he will make a DXpedition to Taranaki. We'll be interested to hear the results Fred !

BEST OF THE MONTH

An excellent month with six entries of 125 points or more !

Over 9 Mhz: Helsinki 21595 1 kw 129 points
Nick Kendall
David Dwyer

Under 9 Mhz: Withheld pending Headquarters decision.

Amendment to September B-O-M:

Under 9 Mhz: 1st equal SABC 3997 20kw Nick Kendall.

FROM THE EDITOR.

With this issue we introduce major changes in the shortwave pages of the Times, in an effort to make the information provided each month of most use to members. A new section SW BANDWATCH will replace the former SW Review, and will list all stations reported by members, plus stations heard by them, plus items of interest gleaned from overseas club exchanges. SW MAILBAG will, in future list only verifications and a note of the number of stations reported. ARTHUR CUSHEN'S SW REVIEW and SW SURVEY will further ensure members receive a comprehensive run-down of the SW scene!

HOW TO CONTRIBUTE: List your reports, loggings and observations in frequency order, with a clear space between each item. For layout, and information required, refer to Shortwave Bandwatch. Put your initials after each item, underlined if you are sending a report to the station. (Example: BC indicates heard only, BC indicates that station was reported.) Write on one side of your page only.

Record the total number of reports, details of QSL's received, BOM entries and any comments, on another sheet of paper. (Note: entries for 'Best of Month' competitions must comply with the requirements set out in your "DXing made Easy".)

BC

SW BANDWATCH

ALL TIMES GMT
FREQUENCIES IN KHZ

10

2510	1142	SOUTH KOREA Taegu heard with home service in Korean. Poor.	FC
2850	1157	NORTH KOREA Home service in Korean from Pyongyang. Fair.	FC
3245	1130	PAPUA/NEW GUINEA Radio Kerema logged with good signal 7/10 during DX Special for League AGM at Oamaru.	DL
3300	0515	BRITISH HONDURAS Radio Belize back on SW closing at this time (keep a note to watch for this next Autumn/Winter).	ASWLC
3980	0600	WEST GERMANY VOA Munich (8kw) reported with Breakfast Show.	MH
3985	1800	SWITZERLAND SBC Berne heard at fair level with Mx prgm.	BC
3990	0945	TAIWAN AFNT reported in English, fair reception	JM. Fair, 1900/
3995	0631	WEST GERMANY Radio Free Europe reported at poor level.	BC DL
4055	0905	USSR Moscow logged with strong signals in home service.	MH
4627	2000	SPANISH SAHARA El Aaiun (another new country on SW) has been heard with news in Spanish at 2010 following vernaculars.	DXR
4680	1105	ECUADOR Radio Nac. Espejo reported with fair signals, in S.	JS
4800	1845	LESOTHO reported with Nx in Sesotho, and s/off 2000, fair.	DL
4855	1840	MOZAMBIQUE Lourenco Marques heard good in Portuguese.	DL
4915	1845	KENYA Nairobi heard strong in Swahili, some advts in Eng.	BC
4925	1830	MOZAMBIQUE Lourenco Marques with Eng. Pops and Ads. Good.	DL
5975	1030	CHILE Presidente Balmaceda logged at fair level.	NR
6015	0430	SWITZERLAND Berne scheduled to replace 11715, in Eng 5/11	SKED
6070	0902	INDONESIA RRI Djajapura, good with Nx in Indonesian.	NR
6070	0924	CANADA CFRX reported at poor level with Mx and Advts.	NR
6070	1900	BULGARIA Sofia, fair in French to Europe.	FC
6085	0400	CANADA CBC relay Deutsche Welle in German to s/off 0415.	DL
6100	1830	YUGOSLAVIA Radio Belgrade heard in English. Overall fair.	FC
6150	0830	AUSTRALIA VLR6 Melbourne, Excellent with Mx programme.	NR
6170	0833	SOUTH KOREA Voice of Hope, Seoul fair at s/off in Korean.	JSWC
6974	1133	INNER MONGOLIA Huhehot heard with classical Mx. Fair signal.	FC
7160	0515	FRANCE ORTF Paris, good with English Nx.	NR
7175	0515	FRANCE 'Paris calling Africa', new frequency // 7135.	JM
7180	0600	POLAND Radio Warsaw home service in Polish.	JM
7190	2130	SPAIN RNE Madrid logged with home service. Fair signal.	JS
7200	1445	TAIWAN Voice of Righteousness, poor level in Chinese.	JSWC
7205	2048	GREECE VOA Rhodes fair in Arabic, English Nx 2100.	NR
7265	0430	GERMANY SWF Rhordorf has Nx, Wx and comment in German.	NR
7215	0905	TAIWAN American Forces Network, fair in English // 3990.	JM
7300	1815	EAST GERMANY RBI fair signals English to Europe. Listed 5kw.	FC
9510	1855	MALAWI Lakeland Radio, P.O. Box 30211, Blantyre, Malawi has pop Mx, religious prgms & frequent Idents in English. Fair.	BC DL
		Followed to fadeout 2045 JM Fair to good 1920 (100kw)	DL
9520	0730	PAPUA/NEW GUINEA ABC Port Moresby, 'Listeners Choice', good.	NR
9525	2136	INDIA. AIR General Overseas Service in English // 9912	NR FC
9535	0520	ANGOLA CR6RZ Emissora Official, Luanda logged with Mx and Port. anncts. Verie lists power as 10kw.	JM
9605	0710	GREECE Athens heard with Wx and Nx in English.	JM
9610	0800	MAURITANIA Radiodiff. National has s/on in Arabic.	ASWLC
9660	0715	SPAIN Madrid heard with Finnish to Europe, mixed Brisbane.	MH
9680	0515	FRANCE ORTF Paris excellent level in English.	JS

9700	0000	RWANDA Deutsche Welle, Kigali relay in German.	DL
9750	1730	KUWAIT logged with Nx in English // 15415.	JM
9750	0430	SWITZERLAND SBC Berne good with Nx in English to USA.	NR
9825	0700	GREAT BRITAIN BBC European Service with World Nx.	BC MH
11650	1715	BANGLADESH Dacca begins broadcast in English to Europe.	JM
11725	0300	VENEZUELA Radio Nacional YVLS Excellent in Spanish.	ASWIC
11720	0240	BRAZIL Radio Nacional, Brasilia fair in Portuguese.	NR
11755	0630	FINLAND Helsinki. Poor in Finnish & Swedish (Sunday)	NR
11845	2145	CANADA Radio Canada International VG in English.	DL
11815	0045	NETHERLANDS ANTILLES TWR Bonaire DX Special (Thur) Good.	NR
11855	0700	CZECHOSLOVAKIA Radio Prague to NZ English QRM Moscow.	NR
11855	1805	SAUDI ARABIA Jeddah in English with 'Pick of the Pops'.	JM
11870	1315	SWITZERLAND To Far East in English. New frequency 5/11.	SKED
11880	0435	TURKEY Ankara fair in Turkish. QRM Brussels.	NR
11885	0230	PAKISTAN Karachi heard with English Nx, weak.	NR MH
11940	0645	RUMANIA Bucharest to Pacific. Logged good level // 15250	MH
11940	0515	SWEDEN Good in English to Aust/NZ. (changes to 9745 5/11)	NR MH
11950	0632	LIBERIA ELWA Monrovia 'Grand Old Gospel Hour'. Poor.	BC
12005	0700	CLANDESTINE Radio Free Portugal heard under teletype.	MH
11955	1930	ETHIOPIA ETLF English religious to West Africa. (Scheduled to use 11945 & 15365 from 5/11)	JM
11960	2030	JAPAN NHK Tokyo fair in English to Europe.	NR
15100	1700	EAST GERMANY Berlin to Middle East in German. New freq.	JM
15120	0100	CEYLON (SRI LANKA) fair in English. Mx prgm.	NR
15145	0230	SPAIN RNE Noblejas excellent with Spanish to Latin Am.	NR
15155	0430	SOUTH AFRICA Radio RSA heard with French to Europe.	BC
15160	2310	AUSTRALIA RA-Lyndhurst with 'World of Music'. Good signal.	NR
15170	2300	TAHITI ORTF Papeete logged with fair signal in French.	NR
15185	1803	FINLAND Helsinki in English. Good to 1830	JS
15185	2147	UNITED STATES WINB Red Lion, good with 'Freedom Talk'.	NR
15215	0100	UNITED STATES WNYW reported with CBS Nx. Fair.	NR
15220	0430	SOUTH AFRICA Radio RSA heard with English Nx, fair.	BC
15220	2130	NETHERLANDS ANTILLES Radio Nederland, Bonaire good in Sp.	NR
15235	2306	BELGIUM English prgm 'Belgium Speaking', fair reception	NR
15250	0030	AUSTRIA English prgm 'Report from Austria', good.	NR
15265	1245	SEYCHELLES FEBA Victoria heard with good signals in Eng.	JSWC
15270	0600	SEYCHELLES FEBA has new English service to Asia, 30kw.	DXR
15295	2145	NETHERLANDS ANTILLES TWR good in Norwegian. French 2200.	NR
15345	2245	NETH. ANTILLES TWR Bonaire logged with German. 0145 Span.	MH NR
15365	0158	CANARY ISLANDS RNE good in Spanish with light Opera.	NR
15390	0030	LEBANON Beirut has Nx in Spanish to Americas. Fair.	NR
15415	0050	BRAZIL ZYR216 Ribeirao Preto with actuality in Portuguese.	NR
15425	0645	EAST GERMANY RBI English to S.E. Asia mixed ABC Perth.	JM
17730	0530	FRANCE ORTF Paris in English to Africa.	JS
21480	0800	MADAGASCAR Radio Nederland. Indonesian good Sun. // 17790.	BC JM
21485	0729	AUSTRALIA RA-Darwin 'World of Music' till s/off 0759.	MH
25620	1100	HOLLAND Radio Nederland fair in Dutch, daily.	JM

CONTRIBUTORS: Fred Clements, Nigel Robins, Bryan Clark, John Saunders, Mike Highley, Dene Lynneberg, John Mainland, Japan SW Club, American SW Listeners Club, NZ DX Radio Assn. SKED: taken from latest station schedule.

ARTHUR CUSHEN'S SHORTWAVE REVIEW 12

This month we commence a new feature in which, each month I plan to publish information about stations I have heard, or material received from broadcasting organisations. With the major frequency changes for our Summer period effective on Sunday, 5 November, there is plenty of news in this line this month. As well, African signals are still heard around dawn and high frequency reception continues to improve. The possibility of interference on some of the new frequencies is always present: you will see below that Austria and Sweden are both to use the same frequency at the same time; doubtless this will lead to someone having to move.

The information below is listed by country, times are Greenwich Mean Time (add 12 hours for NZ time) and all frequencies are in kHz.

AUSTRALIA. Radio Australia will use two new frequencies from Nov. 5.
6120 kHz 1030-1500 GMT and 15265 2100-2330 GMT.

AUSTRIA. Vienna is using the following new frequencies from Nov.5.

9625 kHz	1800-2000 GMT	17835	1600-1800
9680	2300-2400	21540	1000-1200
15145	0000-0200		

ECUADOR. HCJB Quito heard on 11715 to Europe 0700-0830 and again from 1900-2200 GMT.

FINLAND. Helsinki now has 4 English transmissions daily:-

0300-0330 GMT	9585 kHz		
1400-1430	9550, 11755, 15185, 21605.		
1800-1830	9550, 11755, 15185, 21605.		
2030-2100	9550, 11755.		

GREAT BRITAIN. The BBC has updated their famous V interval signal used in the European Service for the past 30 years. The new signal spells out dot, dot, dot, dash on a new electronic instrument instead of the drumbeat as used in the past.

HOLLAND. Radio Nederland makes 10 frequency changes for its transmissions from Lopik, Madagascar, and Bonaire.

0930-1050 GMT	21510 kHz	M	1830-1950 GMT	15375 kHz	B
1400-1520	11740	M	2000-2120	15350	M
1530-1545	25620	L	2130-2250	11945	M
1700-1820	6170	L	2300-0020	15385	B
1830-1950	15350	L	0030-0150	11720	M
0330-0450	6060	B	0500-0620	6085	B

JAPAN. A new frequency for the General Service is 5990 kHz which is used 0800-0830, 0900-0930, 1000-1130, 1200-1830. New frequencies in the Regional Services from 0645-0845 on 17710, 1430-1730 on 7250, 1745-1915 on 7235, 1900-2100 on 7195, and 2345-0045 on 11800 kHz.

NORWAY. Oslo has 2 transmissions to the Pacific, including English on Sundays for the last 30 minutes of the broadcast.
 0700-0830 GMT 9550, 15175, 17800, 25900, 21655 kHz.
 1100-1230 21655, 21730, 25730, 25900.

PAKISTAN. Karachi has been heard testing on 21730 from 0900 to after 1030 GMT. Announcements in English and the programme Urdu music.

PAPUA & NEW GUINEA. The Australian Broadcasting Control Board Annual Report lists 9 new shortwave stations to be operated by the Administration. They are as follows:-

<u>Location</u>	<u>kHZ</u>	<u>kw</u>	<u>Location</u>	<u>kHZ</u>	<u>kw</u>
Alotau	3360	10	Kavieng	2428	2
Popandetta	2468	2	Vanim	3205	2
Kundiawa	2376	2	Kimbe	--	2
Port Moresby	3925	2	Lorangau	3905	2
Mendi	3275	2			

No frequency has been allocated for Kimbe. It is understood that Popandetta is already on the air.

PORTUGAL. From Nov.5 the Voice of Hope, using Trans Europe transmitters, will have a weekly DX session compiled by the World DX Club of England. This will be broadcast Sundays 0500 GMT on 9670.

SEYCHELLES. FEBA has been heard well at 1800 on 11955 kHz, concluding a 30 minute English programme and introducing a one hour Arabic programme beamed to the Middle East.

SOUTH AFRICA. Johannesburg replaces 15220 with 21545 in the service to NZ at 0800, still carried on 17815.

SWEDEN. New frequencies from Stockholm are as follows:
 0000-0230 on 6175, 0300-0430 on 9725, 0510-0615 on 9745,
 1230-1330 on 9715, 1400-1530 on 21485, and 1830-1930 on 9625.

TAIWAN. AFNT American Forces station heard on 3990 and 7215 at 1200 GMT.

LADDER COMPETITIONS

The December issue of the Times brings to a close the present six-monthly Ladder Competition when members qualifying will be promoted to a higher division. Now is the hour for YOU to join our Ladders as the new contest also begins next month. Any member with ten (10) verifications or more on either Broadcast or Shortwave is entitled to enter, so please send in your totals with your December notes and your additions each two (2) months thereafter.

SHORTWAVE SURVEY

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In this new feature, the shortwave scene will be highlighted by special surveys of selected wavelengths or geographical areas. The information published will, we hope, be of lasting value in familiarising members with shortwave listening in New Zealand.

Times Editor Bryan Clark sets the ball rolling with a comprehensive look at his favourite band - 13 METRES. Using a Trio 9R-59 calibrated for this band, and a 13 metre single dipole, Bryan has some 150 QSL's from stations on 13 metres, equal to over 20% of his total SW veries!

The following stations have all been heard during September and October. All times are GMT, (add 12 hrs for NZT), frequencies in kHz.

- 21450 Radio Moscow Home Service, poor signals 0915 in // 21505.
- 21460 VOA Delano, very good with English from s/on 2200.
Brussels, Belgium good in French from 1000 until Radio Station
Peace & Progress s/on in English 1030.
- 21465 Radio Berlin International fair in English to Asia from 0645.
- 21470 BBC World Service regular from s/on 0600.
- 21475 Brussels, Belgium heard 0830 Sundays. Opens 1000 weekdays.
- 21480 Radio Nederland V.G. in English to Australia 0930-1050 (Lopik).
Madagascar relay of Radio Nederland opens at fair strength in
Indonesian 0800 Sundays.
- 21485 Vatican Radio interval signal heard at poor level 1030.
VOA Bethany good in English to Africa 1900.
Radio Australia from Darwin 0200-0800 usually strong level.
- 21490 Radio RSA, Johannesburg opens in Afrikaans 0700 Sundays only.
Radio Moscow, fair in English from 1100.
- 21495 Lisbon, Portugal V.G. in English to NZ 0730-0815, 0815-0900.
- 21500 RBI East Germany good in Arabic at s/on 1000.
AFRTS Delano V.G. from s/on 2130 to Far East.
- 21505 Radio Moscow has English Nx at V.G. level 1000.
- 21515 United Nations via Greenville heard irregularly to s/off 2300.
- 21520 Berne, Switzerland, V.G. in English 1100, to Africa.
- 21525 WNYW, New York has English Nx 2100 at fair level.
- 21530 Radio Moscow opens in Chinese at strong level 0600.
BBC European Service fair strength at s/on 1030.
- 21535 VOA Greenville new frequency, good in English to Africa 1900.
Radio RSA regular in French 0545, Portuguese 0600, French 0615,
and English 0630.
- 21540 Radio Berlin International good in English to Africa 1230.
Vienna, Austria to use this frequency from 5 Nov. at 1000 to
Australia & NZ; formerly used 21585.
- 21545 Radio RSA good in Afrikaans to s/off 0950 sundays only.
- 21550 BBC African Service, heard to s/off 0800 & s/on 1915. Both V.G.
Radio Australia, Shepparton strong in English 0100-0700.
- 21555 All India Radio fair in English 1010.
- 21560 Deutsche Welle, Cologne V.G. to NZ in English 0920-1020.
VOA Greenville, English to Europe, good level 1745.

- 21565 Radio Moscow heard in Russian 0930.
Radio Nederland via Bonaire, regularly good in French 2000. 15
- 21570 NHK Radio Japan V.G. in English to Europe 0800.
Radio Nederland from Lopik, Holland s/on in Arabic 0930.
- 21575 Radio Moscow good signals with English Nx 1000.
- 21580 ORTF Paris in French 1900. V.G. in // 21620 & 21675.
Deutsche Welle, Cologne strong in German to Asia 0900-1110.
- 21590 Radio Pakistan regularly heard. French from 0620.
- 21595 Helsinki, Finland 1kw experimental transmission weak s/on 1000.
Montreal, Canada poor in English to Europe 1830-1915.
- 21600 Radio Canada relayed to Africa by BBC. Good in English 0715.
Deutsche Welle African Service, English from 1045 at good level.
- 21605 Helsinki, Finland interval signal just audible 0600. 1kw.
Radio Kuwait s/on at good level in Arabic 0800, // 21685.
- 21610 Radio Algeria fair in Arabic from 0557 until blocked by BBC
World Service on this frequency from 0900.
VOA Dixon V.G. to Oceania in English from s/on 2200.
- 21620 ORTF Paris in French 0700 good signals; 1900 strong signals.
- 21625 Radio Moscow has Chinese programming 0830.
- 21630 United Nations Nx in English from Greenville to s/off 1830.
VOA Dixon in various Asian languages from s/on 2200.
- 21635 Radio Moscow Indonesian Service, good at 0745.
- 21640 NHK Radio Japan s/on to USA 0100; English 0130 at good level.
- 21645 ORTF Paris, good in French 1030 with 21620 & 21675 in //.
- 21650 Deutsche Welle, Cologne V.G. signals in Persian to s/off 1040.
- 21655 Oslo, Norway (10kw) poor at 0700; better at 1100 & 1815.
- 21665 Radio Free Europe in Polish from 0815. English ident. 0900.
- 21670 VOA Monrovia new frequency replacing 21520; English Nx 0800;
carries United Nations programming some days at 0745.
Radio Pakistan, heard in Arabic at 0630 and 0830. Both good.
- 21675 ORTF Paris, good with s/on in French 1030; also heard 1900.
- 21680 Radio Australia Shepparton, strong signals to Africa 0330.
BBC European Service in Russian 1030, but jammed. 21530 in //.
- 21685 Radio Kuwait in Arabic, s/on at V.G. level 0800 in // 21605.
- 21690 Radio Sweden opens in French 0930. Fair in English 1100.
Radio Prague, English to NZ in // 21700 at 0700. Both good.
- 21695 Rome Radio in Italian to Australia 0830-0915 at poor level.
VOA Dixon, fair in English from s/on 2200, to Far East.
- 21700 Lisbon, Portugal V.G. in Portuguese from 0915, in // 21735.
- 21705 XERMX Radio Mexico, English ident. at good strength 0133.
- 21710 BBC World Service strong in English 0745.
- 21720 Vienna, Austria V.G. 0630. English at this time Thursdays.
Radio Free Europe in Czech 0915 but heavily jammed.
- 21730 Radio Norway, Oslo strong in English Sundays 0800 & 2000.
Radio Pakistan testing at strong level. Ident. in English 0900.
- 21740 Radio Australia Shepparton, English to USA. S/on 0100
VOA Greenville, fair signals in Polish 1900.
- 21745 Radio Free Europe occasionally audible thru heavy jamming.
VOA Dixon good in Korean for Far East from 2130 s/on.

With the NZ Radio DX League entering it's 25th year, we propose to feature a series of articles recalling earlier days in broadcasting, the DX hobby, and the League. This month, we record a recent and historic anniversary on the radio scene.

PIONEER NZ RADIO STATION CELEBRATES 50TH ANNIVERSARY.

On the New Zealand Radio Scene, Station 4XD, Dunedin is an institution in itself. On 4th October 1972 the station celebrated 50 years operation, ranking it as a true pioneer in radio broadcasting.

A public meeting of some 150 people in August 1922 led to the formation of the 'Otago Radio Association' with the objective of "bringing together all persons in the province of Otago interested in the advancement of wireless, telegraphy and telephony generally, and subjects kindred to their participation and the question of broadcasting". Interest had been stimulated by experiments in the transmission of music and speech, begun the previous year by Dr. Jack, Professor of Physics at Otago University.

The Association's station, callsign D.N. began transmissions on 4th October, with a power output of 50 watts and programming scheduled on Tuesday and Friday evenings. Late in 1922, with the issuing of broadcasting licences, a new call, 4AB, was allotted.

The financial tribulations of the Association and the technical inventiveness of members are stories in themselves. For the earliest broadcasts the station used a gramophone, feeding the sound from its soundbox through a 6ft 'megaphone-like' horn. At the end of the cone was a microphone which in turn fed into the transmitter. In August 1923, the Association was told it could no longer broadcast music, a decision which closed the station, until repealed in December 1924. During that year however, members built a new transmitter. Early broadcasting was not just announcing and presentation of programmes. Early minute books of the Association show that members were expected to attend lectures in Morse Code and simple instruction in the operation of wireless apparatus. Monthly meetings also included presentations by well-known radio artists.

October 1926 saw a further change in callsign to 4ZB! A year earlier the station was the first in New Zealand to rebroadcast an overseas radio station: 2BL in Sydney. During 1927 transmissions from the Philips Station PCJ in Eindhoven, Holland were rebroadcast, thanks to a short-wave receiver constructed and installed by an Association member. Enthusiastic reports on the feat encouraged the operators of Station 4ZB to organise more rebroadcast work with the assistance of Mr. Frank Barnett. Some of the early broadcasts from Dunedin were heard as far away as Mexico.

From 1924 to 1930 the Association's station operated from Mr. Stedman's garage in Princess Street, then moving to studios in Calder Mackay's Buildings, Rattray Street. Today the transmitter still operates from this location, although studios were transferred to premises in Maclaggan Street, Dunedin in 1971. For a period in the 1940's, the station operated

with the call 4XD on a frequency of 1030 kilocycles, but assumed its present call and frequency, 4XD - 1430, about 1948. 17

In 1959, the Association acquired its present transmitter with a power output of 250 watts and push-button control unit - a far cry from the old wet battery set-up. The transmitter was originally built for military communications, but was redesigned and adapted for broadcast purposes by the present station engineer, Mr P.J.Holden.

Perhaps the pioneer of New Zealand's pioneer radio station was Mr.D.G. (Toots) Mitchell, believed to have been the world's oldest broadcasting station operator when he died in 1970, aged 85. He was station operator, Association secretary and treasurer right from the station's inception.

Today, 4XD broadcasts middle-of-the-road programming, especially designed for family entertainment, four days a week: Wednesday, Thursday, Saturday and Sunday. Religion plays an important part in the stations broadcast schedule, with 3 hours of programming every Sunday morning. The longest running programme is without doubt the childrens' session every Wednesday evening at 6 pm. Country & Western music and request sessions are also prominent in 4XD's present programming.

Anniversary celebrations included live broadcasts from a leading Dunedin department store and a display of historic radio equipment. On behalf of all League members, we wish to congratulate 4XD and the Otago Radio Association on their endeavours over the last 50 years, and wish them continued success in their venture.

(Adapted from Dunedin newspaper reports.BC)

4XD **ZL4XRJ** 4XD

The isle is full of noises,
Sounds and sweet airs that do delight and hurt not.
Sometimes a quill and twangling instruments
Will hum about the ears; and sometimes voices
The Tempest.

OTAGO RADIO ASSOCIATION
OPERATING 4XD NEW TRANSMITTER
(INCORPORATED)

Pioneer Broadcasting Station
New Zealand.

Founded and commenced
broadcasts 1922.

Wednesday, Thursday,
p.m. to 11 p.m.
Friday, 9 a.m. to Noon,
frequency, 1430 k.c.

4XD

Power: *We thank you for your copy of...*
250 watts *which we very much appreciate. Our log for the transmission reported on by you verifies your reception.*

180 Rattray Street, Dunedin, C.I.
New Zealand.

Silverland Station Director, 4XD

Special QSL Card issued by Radio Station 4XD to commemorate the inauguration of their new 250 watt transmitter in March 1960.

UTILITY DXING

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with *Bill Pearson*

My thanks to Richard Watt who has kept these pages going for the past few years. With the 'new-lock' Times, so a new editor.

The number of DXers in the League interested in Utility (Ute) DXing is very small and it is hoped that the explanations below and in further issues concerning various aspects of Ute DXing will perhaps interest the novice, or even experienced shortwave DXer.

WHAT IS A UTILITY STATION ?

Utility stations are all the stations within the radio spectrum which are not primarily engaged in supplying an entertainment medium to the listener.

TYPES OF 'UTE' STATIONS.

1. Fixed Stations: These are normally point-to-point (PTP) stations which transmit in the single sideband mode (SSB). Their purpose is to convey information from a fixed location to a definite receiving point and very directional antennae are usually used. Some form of oscillator injection (i.e. use of BFO on receiver) must be employed in order to obtain any form of intelligence from the signal. Examples of fixed stations are: a) Voice of America relays to Philippines, Okinawa etc; b) Radio-telephone stations, i.e. N.Z. Post Office to N.Z. Antarctic station Scott Base. c) Military stations.
2. Coastal Stations: These stations are involved in supplying information either in morse (CW), SSB or conventional A.M. (amplitude modulation) to ships at sea. Examples are a) VIS Sydney Radio, ZLW Wellington Radio.
3. Aeronautical Stations: These, termed 'Aeradio' stations are primarily involved in communication with aircraft on an air-to-ground basis. Aeradio stations which transmit weather information are termed 'Volmet' stations. Use is made of both AM and SSB. Examples are a) KUA Honolulu Radio, ZKLF Auckland Radio; Volmet stations GEJ Luqa, Gander Radio etc.
4. Time and Standard Frequency: These stations, most of which operate on easily identified frequencies (i.e. 5, 10, 15, 20, 25 Mhz) provide accurate time signals - a must for DXers, and daily weather and propagation forecasts.
5. Beacons: These stations provide navigational aids for aircraft and shipping. They usually operate 24 hours a day giving their identification in CW.

HOW TO REPORT A UTILITY STATION

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Reporting a Ute is similar to reporting a conventional shortwave station, (i.e. frequency, time, date, etc) but it must be emphasized that once the characteristic test tape peculiar to a fixed station has ceased and the PTP traffic has commenced, any details heard must not be committed to print or related to a third person. A DXer may report in full the test tape message and any communication between transmitter technicians but NO traffic details. The same conditions apply to coastal stations. The characteristic V-markers which serve as station identifications can be stated in full but once again NO traffic details should be committed to print. With aeronautical stations details of aircraft callsigns can be stated and weather reports broadcast by Volmet stations stated fully.

WHERE TO HUNT FOR UTILITY STATIONS (Reprinted from Utility Handbook)

1. Fixed point-to-point (mostly SSB and RTTY operations)

4750 -5480	9040 - 9500	11975 - 12330	17360 - 17700
5730 -5850	9775 - 10000	13360 - 14000	18030 - 21000
6765 -7000	10110 - 11175	14350 - 15000	
7300 -8195	11400 - 11700	15450 - 16460	
2. Coastal (Mostly ships and land based coastal stations)

415 - 490	6200 - 6525	12330 - 13200	22000 - 22720
4063 - 4438	8195 - 8815	16460 - 17360	
3. Aeronautical (Volmet stations etc.)

2850 -3155	4650 - 4750	10000 - 10100	15000 - 15100
3400 -3500	5480 - 5730	11175 - 11400	17900 - 18030
3800 -3950	8815 - 9040	13200 - 13360	21850 - 22000

UTILITY HANDBOOK

Just as the World Radio & TV Handbook is a must for shortwave listeners, so is the Utility DXers Handbook, essential to the Ute fan. The second edition of this valuable book is under preparation and further details can be obtained from Jack White, SpeedDX, 780 NW Wallula Ave, Gresham, Oregon 97030 U.S.A.

UPCOMING

- + Complete listing of stations heard lately, with the station's verification policy and type of QSL issued.
- + A listing of recently QSL'd stations.
- + Details of communications between Sydney. Lord Howe and Norfolk Islands.

Remembers chaps, these are your pages, and this your magazine. Let us all know what you've heard and who you have verified.

Till next time,

BCNU

DX-CLUSIVE

STOP PRESS NEWS RECEIVED AFTER
CLOSING DATE FOR THIS ISSUE.

..sign-off.

League Stationery

Members requiring stationery for the Christmas period are requested to have orders in by the end of the first week in December to assist the Stationery Secretary.

Australian Summer Time

Effective 29 October:

NSW, Victoria, Tasmania & A.C.T.

GMT plus 11

South Australia: GMT plus 10½

Queensland: GMT plus 10

Northern Territory: GMT plus 9½

West Australia: GMT plus 8

(In the last 3 cases no change was made to Summer Time.)

ELECTRONICS ILLUSTRATED

According to the October issue of the ASWLC magazine 'SWL', the EI will shortly stop publication.

FM for Australia!

The Australian Govt has given the go-ahead to nationwide FM coverage. Full details next issue.

THE N.Z. RADIO DX LEAGUE

Founded 1948.

Annual Subscription: \$4.00,
Secondary Students: \$3.00

ADMINISTRATIVE OFFICE.

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Only correspondence directly related with content of the Times should be addressed to Wellington. Closing date for contributions: 1st Wednesday of the month.

All enquiries re membership, policy and stationery supplies should be addressed to Invercargill.

BUY & SELL

WANTED: A communications receiver (11 tubes plus) in good condition, with no modifications to original design. Must cover 535kHz-30MHz range. E.G. Eddystone 680X or Hammarlund. Write to:

Cliff Shirreffs, 532 Thames Highway, OAMARU.