



NEW ZEALAND DX TIMES

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The Bad News ... Probably the biggest set-back to broadcast band DXing in this country for many years, occurred with very little warning when, on 6 November, the NZEC extended the 5 station national all-night programme to a total of 20 stations! Now the YA's, YZ's, YW's, YX's, 1YE, 1YK, 1ZA, 1ZO, 1ZU and 1ZT 'clutter' the band 24 hours a day. Add to these 6 private all-night operations, and DXing in the 'wee small hours' has become a very different proposition! As yet scheduled silent periods for maintenance haven't been finalised.

... and the Good News! After numerous unsuccessful applications, the Gospel Radio Fellowship's station Radio Rhema has been granted a short-term licence permitting it to broadcast on the occasion of the Fellowship's AGM on Saturday 23 November 1974. Radio Rhema, callsign 3XR will use a home-built 100 watt transmitter on 1230kHz from 6am to 11pm NZ Daylight Time that day. The proposed antenna is a 500 foot vertical(!) supported by 3 hot air balloons but in case of high winds a 40 foot inverted L will suffice. The well-known mobile studio will be located in Glenfield Crescent, Christchurch, a quarter mile from Radio Avon's transmitter site. Programming will consist of spoken reports on the organisation, interspersed with music. Reports on reception are sought and should be addressed to Technical Section, Radio Rhema, P.O.Box 2420, Christchurch where League member David Ricquish has responsibility for verifying reports. Details of reception conditions are especially required with details of any interference on 1230 or adjacent channels. Tape recordings are requested if possible. These will be returned after duplicating. Return postage is not required to obtain the QSL card, only a valid reception report. Radio Rhema is expected to test 3 or 4 days before 23 November, probably in the early evening, and reports on these transmissions are also welcome.

Thanks to David Ricquish and Andrew Mitchell for the above information. This is a very good opportunity for the League to prove it's usefulness to a broadcaster by providing a nation-wide network of monitors. Let Radio Rhema know how you heard them and what you thought of the programmes!

CLOSING DATE FOR CHRISTMAS ISSUE: WEDNESDAY 4 DECEMBER
PLEASE SEND DETAILS OF YOUR DXING, QSL's, BEST-OF-MONTH
ENTRIES, LADDER & COUNTRIES VERIFIED TOTALS TO P.O.BOX
2956, WELLINGTON. 73 IN '74 - DX HANDICAPPED AID YEAR.

DXCURSION AUSTRALIA "ONLY" 8 SEATS LEFT!

FROM THE BRANCHES

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SOUTHLAND. The October meeting at Eric McIntosh's saw 14 present, included visiting League member George McKay Jnr of Pomona, California. A DX chat followed discussion on competitions, the AGM and a DX Shack, with Vice-President Harry Searle in the chair. Then George discussed various items of interest: his loop antenna, the importation of NZ AM tuners to the US for his resale. Meanwhile Mrs McKay was being entertained at Ray Crawford's by members' wives. Competition Results: CCB to S.Greenyer with Cuba 590 150kw; merit to E.McIntosh for WXLE 1385 250w. SW Over 9 to E.McIntosh with DW Kigali 9735; under 9 to S.Greenyer and Radio Surcolombiana 5010 2.5kw.

NORTH OTAGO. At the Branch AGM on 26 September the following committee was elected for the coming year: President Peter Grenfell, V-P Ito Tsukigawa, Secretary Muriel Bloxham, Auditor Peter Grenfell, Log Keeper Paul Ormandy, PRO Ted Sutton, Editors Alistair Stewart & Paul Ormandy, Works Advisor Graeme Hill. An auction sale on 21 September attended by Dunedin and Oamaru DXers saw a total of \$51.00 raised for the branch funds.

6 members attended the October meeting at the Listening Post on the 24th. A display of DX Archives material was given and members were urged to try and track down literature etc regarding the early days of radio and DXing. Plans were prepared for a working bee to plaster the Listening Post, a talk and demonstration for a crippled childrens group. Next meeting on 28 November.

TARANAKI. The October meeting was held at Kevin Bradley's home in Stratford with 7 members present. Discussion mainly centred on antenna systems. Competition results: SW to Bill Woller and RSA 4875. CCB to Robin Chambers with KTSA Texas 550 and Malaysia 765. The marvellous supper proved to be too much for the members, and a return 'match' will be held at John Watson's, 10 Te Mara Place, New Plymouth.



Sierra Leone Broadcasting Service

Telephone 4711 Cables Broadcasts

New England, Freetown

SHORTWAVE STATION OF THE MONTH.

On Tuesday 15th October, the President of the Republic of Sierra Leone officially opened the SLBS's new 250kw transmitter. Test transmissions were underway in early October to determine the revised schedule which the new transmitter will operate to. Prior to KGEI's move to 5980kHz in mid-October, John Mainland observed SLBS on that frequency at 0745 GMT, and this channel remains the best bet for reception,

providing it is vacated by KGEI at some future date.

SLBS provides a national radio and television broadcasting service to the small West African republic, with a population of 2½ million. According to a QSL letter dated 8 October from Engineer-in-Charge, E.P.Roberts, the pre-250kw sked is as follows; it is likely that the shortwave transmissions will continue as listed with the 250kw operation, but with the additional frequency of 9630kHz.

5980kHz 0745-1015 and 1230-1740 GMT. 3346kHz 0555-0730 and 1745-2330 GMT; using 10kw and a 4 element vertical incidence horizontal array. MW outlet is 1205kHz - 10kw with broadcasts 0600-1030 and 1230-2330 GMT. A 100 watt TV transmitter operates on 48.25/53.75MHz from 1755-2330 GMT.

BC

CFRB 1010

ONTARIO'S FAMILY STATION

BROADCAST DX

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This month's headlines, both the bad news and the good news, are on Page 1 in case you hadn't noticed.

Fairly good reception continues with some good North American and Asian openings. Reversing and earlier decision prompted by the fuel crisis, the U.S.A. is now back on standard time until 23 February 1975.

From Robin Chambers and Bill Woller comes news of an unidentified Pacific station on 1408-1409 kHz. heard with english announcements (including mentions of Air New Zealand and Malaysia) pop and native songs. Reception has been noted at good level 0643-0705 GMT and also at signoff 1000. Who?

The 3NE special was well received on 12 October and our congratulations to North Otago Branch for a very successful show. Tony King spoke to the manager from Albury earlier this month and learnt that response from New Zealand had been "quite good." On 26 October reception of 2QN was difficult with poor conditions and KOMA Oklahoma City dominant on the frequency. All reports however indicate that the special did not eventuate.

Finally a further reminder that this section is now in GMT. All trail contributions should be correctly convated please as we will not list any uncertainties. Also we usually don't repeat Trail items that appeared the previous month.

GRAEME HAMLOND New Plymouth has logged 3KZ 2KM 1ZO WVUV KPNW with veries in from FJB VOA Poro 1140 2ZN 3KZ 1ZO KPNW Welcome ! writing re your queries.

MARK NICHOLLS, Taupo in his first contribution advises reports out to 2ZM 2XW 2CH 3ZM 2SM Fiji 560 Noumea 670 with QSL's from 1XI ZK ZA ZT ZD ZC 2ZP ZN ZC ZW ZA ZD XW 4ZA ZB 3XA ZB ZA 2CH 3NE. Good luck with UE exams. IRC's currently cost 18 cents in New Zealand. In USA think they are 26 cents. Buy Aussie stamps from Stationery Secretary for Australian commercial stations. IRC's not necessary for government operated stations on MW and SW.

RAY CRAWFORD, Invercargill has reports out to Windy 4JK 4GY 9WK 1520 Niue 620 KPOL KKON WXLE KTAR CJVB South Korea 595 JDCD 1520 and JOZB 1510. Veries in from 4GY WOW 590 KPOL KKON Zahedan 777 Sweden 980 Berlin Britz 989.

BILL WOLLER, Opuake has them out to 6XM JOUB JOGB JOIB and WIZM (a really good one there Bill !) No QSL's.

ANDREW MITCHELL, Christchurch has logged KPOL KDAY KOMA Avon 1XX 1XA. QSL's in from A3Z 2NX 1XW 4XO. Welcome back.

GAVIN BENNETT has reported 4MK WVUV KNX VOA Rhodes 1259 with QSL's in from 3ZA VOA Philippines 1140 6TZ 6KG AIR Calcutta 1130.

BES DAVEY, Te Kuiti has them out to KORL and KGMB with QSL's in from VOFA 1580.

ANDREW WHITE, Christchurch has logged WLS and 2MG with QSL's in from OKDA WLS 3SH 2UW 1XI and Vladivostok 1250. Try XEROK, Apartado 266, Ciudad Juarez Chihuahua, Mexico.

ROBIN CHAMBERS, from earthquake country has reports off to Tangier 1232, Masu-rata Libya 1448, WYOK KOL Nancy 836 Toulouse 944 Kharkov 836 KPOI KKUI with QSL's in from Chantaburi 1128, Kuala Trengganu 765 and Nuie 620.

JONATHAN AITCHISON, Danedin has reports out to 3BO CHUB CBW with QSL's from 4MK 3HA and 3BO. Am writing.

JACK SEARLE, Haumoana has logged 3NE 1XX 1110 KPOI with QSL's from 1XX 1110 3NE and WXLE.

ELIZABETH HELLYER, Bulls has reports out to 2KM 2CY 2NA 2KO 3LO with QSL's in from 2CY 2KM and 2NA. I visited Warkworth satellite station last Christmas - always open to the public. Musick Point is an aeronautical utility station I think, named after Capatin of illfated first Panam flight from USA to New Zealand. Probably require appointment for a visit.

ARTHUR WILLIAMS, Timaru has logged only KNBR 680. Novel letterhead !

DXCURSION AUSTRALIA ONLY 6 SEATS LEFT!

MERV BRANKS, Invercargill has reported KOMO AFNT 1550 JOFC. Verified are 3TR 2GB and YVKZ (reported June 1973). Thanks for info,

PETER JACKSON, Dunedin has logged KUAM 31K KGBS with QSL's from 8HA KEEN WLW and 4BU.

PHILIP BROOKS, Wanganui has reports away to 2HD JOQR LXO 2NC KDAY. QSL's in from 2HD LXO 2NC.

STAN LARKING, Whakatane has reports off to KKON Paradise 1265 3NE Special XEOK KLOK KTWQ JOIK 4JK. Veries in from KKON Paradise 1265.

PAUL ORMANDY, Oamaru has QSL's from 2RE SM NX CH. Reports out to 1ZK 2NZ NC KM YA AY RG 2QN PK 3AW BA GL UZ CV MA 4AK GG BH GY QR VOA 1580 Nuie 620 ZK1ZC 600.

COLIN CAMPBELL, Rotorua has reported 3NE Special WVUV. QSL's from KABC and CFGB. Sorry to read about your mishap.

PHILIP GARDEN, Dunedin has reported CHQM CMKV KPOI with veries in from KUAM KOMA JOSE FEN 1580 V/Revol 1135.

DENE LYNNBERG, Titahi Bay, has nil in but a bunch out to Dresden 1043 Romania 1052 4GY CKDA KATZ KRYS (tape sent) WLQY WWOK 1260 WUNI. Good month Dene.

ARTHUR CUSHEN, Invercargill has verified AIR Cuddopah 900 with reports out to 3NE and JOKR 780.

SUTTON BURTEENSHAW, Invercargill has logged 5LN 6WN KTAR 3HA 5LC 8DR KPOK KMO JODR JOKB JOGB XEL with QSL's in from 6XM Nice 1554 Munich 1602 JOBB 830 JOAB JOGB 2AD 2KA VQO 6WN 1XX HLSA.

MIKE SMITH, Matamata has logged KIRO and KGMB. How's the Drake on MW?

BRYAN CLARK, Wellington. Logs: HJKC 850 KATZ 1600 4BK 2NZ HJGV 1190. QSL's: CMAN 550 4BK.

DAVID RIGGISH, Christchurch has logs as 1YK KWFT 2NS1. Veries in from 1YK 4RO VQO KWFT (plus three signed paintings by well known Texas artist). Looking forward to Aussie ?

BROADCAST TRAIL

EVENING

570	JOIK fair mixed 4JK 1135	SL
590	CMW fair with nx 0830	PG
600	CMKV fair 0845 (PG) 0715	SB
	ZK1ZC Island mx poor 0745	DR
	S/off mostly 0832, sometimes 0912	SB
620	KWFT exc cattle sales 1130	DR
	KGW good MOR mx 0800	DR
630	KHOW and CHED fair 1140	DR
640	KFI very good with talk 1120	DR
665	Unid Spanish weak 0705	RC
670	KBOI good with nx 1200	DR
700	Sutatenza strong 1000-1010	RC
710	KIRO gd with Fiji 0720	DR
740	Tahiti s/off 0700	SB
	KRMG local wx 0950	SB
750	JOIB english nx good 1000	BW
	WSB nx exc 0700	DR
755	Portugal excellent test 0655 s/on 0700	RC
760	KGU exc with sports 0730	DR
770	JOUB has EE news 1000 exc noted 0825//870 and 1600	BW
		SB
782 and 785	Havana strong SS 0705	RC
830	KIKI exc over 1YX with rock 0730	RC
850	HIAU ? marches and chimes from 1000	BW
870	JOGB EE nx 1000 Exc	BW
	KAIM 800	BW
910	KDEO ID heard 0740	BC
	Aeropuerto, Venez weak 0626	BC
	KJJJ good 0740	BC DR
	JOGB EE nx weak 1000	BW
940	KFRE over 2ZA 0840	SB
950	KJR 0820	SB
990	KKIS nx fair 0632 (SL) off 0700 Canadian off 0715 (PJ) CBW on 1200	JA
1030	KTWO fair long fades 0930	SL
1035	CSB2 good 0620 4/10	RC
1070	KNX mix NZ 0730	SB
1170	KOHO with KVOO looped 0745	BC
1190	Cordillera over KEX 0728-0830 21/10	BC
1225	Cuban fair/good 0602	RC
1232	Tangiers AA 0545-0617 4/10	RC
1250	Vladivostok good 1015	PG
1260	WWOK fair 0735 (BC) 0655	RC
	CFRN 0830/XEL 0815 21/ 10	SB
1270	CHWK 0815	SB
1265	Paradise opens weak 0900	SL
1300	KOL local nx 1000 (SB) 0700	RC
1330	KPOK 0910	SB
1360	KMO 0930 (SB) KGB 0645 (RC)	RC
1410	WIZM under/over NZ 0700	SB
1430	XEOX good all night	SL

DXCURSION AUSTRALIA '75

BOOK NOW!

DX FORECAST

1470 GJVB 0830 SB
 1490 CHYM 0850 14/10 SB
 WROL 0859 thru CHYM SB
 KDBM f/c 1st Mon 0800 KR
 CFWB 0840//CFOP 1440 SB
 1530 KGBT s/on 1030 SB
 1540 ZNS1 exc mons with KPOL off DR
 1578 CSB5 good 0625 29/9 and 30/9 RC
 1594 CSB4 poor 30/9 due 1XI RC
 1600 KUBA good ID 0615 RC

NOVEMBER

0645 - 0800 United States, Mexico
 0830 onwards Asians good. Cubans.
 1300 - 1600 Asians strong
 1400 - 1500 Pacific Coast USA
 1530 - 1630 Hawaiians, Alaskans
 1600 - 1730 Europe, Middle East.

MORNING

737 Israel good AA 1805 RC
 755 Yemen AA good 1805 RC
 856 Nancy mixed Kharkov 1720 18/10 RC
 899 Milan fair with het 1810 RC
 944 Asmara exc on loop 1650 8/10 RC
 Toulouse good 1745-1755 18/10 RC
 1020 KGBS VG 1300 PJ
 1052 Rumania good pops 1755 18/10 RC
 1130 CKWX 1345 SB
 1140 KRAK 1340 SB
 1225 Bulgaria exc 1800 RC
 1241 French net mxd Russia 1810 18/10 RC
 1448 Libya here, also 1454 1755 RC
 1457 Rumania exc 1720 8/10 RC
 1520 JOFC 1500 ID before JODJ MB
 1578 Italian net briefly good 1805 RC
 1602 Munich strong 1910 RC

DECEMBER

0730 - 0830 United States
 0800 - 0900 Central America
 0800 - 0845 Canary Is sometimes.
 0800 onwards Asians, Filipinos @ 1000
 0830 Pacific Is peak
 1430 Pacific states USA peak
 1500 - 1600 Asians often very good
 1530 - 1600 Hawaiians

Robin Chambers.

BEST OF THE MONTH

SENIOR: YVKZ Caracas Venezuela
 1050kHz 10kw

MERV BRANKS.

JUNIOR: EQUAL WLA Cincinnati, USA
 700kHz 50kw

PETER JACKSON.

FEN Iwakuni, Japan

1580kHz 1kw

PHILIP GARDEN.

Contributors: Robin Chambers Merv
 Branks Sutton Burtenshaw Peter Jackson
 David Ricquish Stan Larking Bill
 Woller Philip Garden Bryan Clark Jonath
 -an Aitchison.

FORTHCOMING DX SPECIAL TESTS.

Monday 18 November 0900 GMT onwards
 KQXI Arvada, Colorado 1550kHz 40kw

Tuesday 3 December 1045 GMT onwards
 KRME Hondo, Texas 1460kHz 500 watts
 organised by NNRC. Per NRC.

ROAD CONDITION RADIO is a nighttime network of radio announcements warn- ing drivers of weather conditions, detours etc, sponsored by Internat- ional Harvester. The network of 20 stations includes WMAQ 670, WBAP 820, KOA 850, WHO 1040, KEYR 550, KBOW 550, KLAC 570, WSM 650, WWL 870, KSL 1160, KRAK 1140, KGA 1510 and WWVA 1170. Dave Gleason NRC.

HOW STRICT IS THE FCC? Well, WFER Louisiana was fined \$200 for using it's daytime power at night; KANA Montana fined \$2000 for using full day power as pre-sunrise power; and WGBR North Carolina \$2500 for using day antenna pattern after sunset and before sunrise!

CAN - AM REPORT

There are currently (9/74) 4388 MW stations licenced in the USA. Another 19 are testing and 58 have been approved but are yet to broadcast - total of 4467. NRC.

CANADIAN NEWS. A new 10kw day & night station in EE approved for 1190 from Charlottetown, Prince Edward Island. CKKW Kitchener Ontario 1090 on air. CBOF Ontario 1250 seeks 50kw day/night CBO Ontario seeks move from 910 to 920 and power of 50kw day and night. CFTJ has moved from 1110 to 1320kHz. 5kw day/night station U2 approved for 1570 from Taber, Alberta. Call CKTA?



In the centre of things
 WINNIPEG/50,000 WATTS/MANITOBA

SRI LANKA. There are tentative plans for Trans World Radio to build a broadcast band station with 2 transmitters of 250kw located near Trincomalee, and beamed to India and South Asia. Victor Goonetilleke, UADX.

NAURU. The Nauru Broadcasting Service operates on 1320kHz with 100 watts, with its own programming 1900-2100, 0015-0130 and 0515-1105 GMT. For the remainder of the 24 hour schedule, the station relays Radio Australia and the BBC. The station call must be detailed in any reception reports. Bob Girdo SCDXC.

SOUTH KOREA. Radio Korea noted to have moved to 595kHz from 600kHz on 8/9 with the Overseas Service in English at 1530 and Korean at 1600 GMT. K.Ushigome JSWC

NEW ZEALAND. 4YQ Queenstown is to operate on 1120kHz and the latest information is that the 130ft tower has been completed and technical installation continues in the transmitter building. Arthur Cushen.

Continuing our insight into the NZ radio scene as evidenced from a recent survey in Christchurch, Radio Avon has a slight edge on 3ZB most of the day, while 3ZM has a very small audience, obviously due to Avon's dominance of the under 35 audience. In Dunedin, with the exception of the 2 to 5pm and 7pm to midnight periods, Radio Otago has a much smaller audience than 4ZB. Even during these periods the audience share is about equal. On Saturdays 4ZB is dominant throughout the whole day until 7pm. Their audience is generally double that of Otago.

ISRAEL. The 737kHz transmitter has English at 1830-1845 GMT. Gregg Calkin

AUSTRALIA. The new ABC station approved for the under-25 audience in Sydney will use 1540kHz on a 24 hour basis with 10kw day/1kw night. Chris Martin. From the Australian Broadcasting Control Board comes the following update on the Aussie scene:- Planned ABC National Stations with completion dates.

2WA Wilcannia NSW	1570kHz	100w Omnidirectional	due July 1975
3MT Cmeo, Victoria	720	2kw Directional	due June 1975
4WF Weipa, Queensland	1040	500w Omnidirectional	due June 1975
7FG Fingal, Tasmania	1570	100w Omnidirectional	due August 1975
8GO Gove, Nthn Terr.	990	500w Omnidirectional	due December 1974

Also 6KW Kununurra/Wyndham, West Australia 760kHz 2kw due December 1975 will determine the necessity to retain 6WH Wyndham 1020 100w. 6KW currently 100w too. Five further national stations have been approved - Moruya, NSW 800kHz and Tomerong, NSW 560kHz both 1kw directional - also outlets near Pemberton WA, Mt Tom Price WA and Karratha in the Dampier area.

A major change will be made in the operating conditions of 6GF. 2TR Taree is now scheduled to move from 720 to 760kHz, not to 1000kHz. Expected April 1975. 8TC Tennant Creek will increase power to 1kw during the year. 2AN Armidale will change from 760 to 720kHz. So much for ABC changes. Now to the commercial scene with a new station for Adelaide - 2kw on 1390kHz. 5AD Port Augusta will be resited 24 miles south at Membrai Creek and move from 1450 to 1240kHz. Merv Branks

HAWAII. Alan Roycroft, in verifying KKON 790 writes- "This station is on the side of a mountain at an altitude of 2000 ft. Ground radials lie on top of the ground because there is no soil to bury them in. Consequently not many DX reports are received and, living in Honolulu, you can often see the station and not hear it!" Stan Larking.

JAPAN. JOPB Shizuoka 2 is now on 640kHz. JOGK Kumamoto 1 is now 760kHz. Both these are 10kw. JOPG Kushiro 1 is on 580 ex 640 with 10kw. JOHK Sendai 890 is now using 20kw. Lars Ryden via NRC.

MALAYSIA. The 1475kHz station is located at Sandakan and has a power of 600kw! Two new transmitters of 20kw are being installed at Mersing by Sparta Electronics. Frequencies are 1055 and 1310kHz. Lars Ryden, Wes Boyd NRC.

PHILIPPINES. Answering Tony Magon's query of last month: A new company, the Barangay Broadcasting Company (BBC), Bohol Avenue, Cubao, Q.C., has taken over the property of now-defunct ABS-CBN chain and operates 3 stations in Quezon City: DWX 620 5kw, DUNA 1160 10kw and DWWO 1340 15kw. Lars Ryden NRC

18 League members attended the 26th Annual General Meeting in Dunedin on 26th October and proceedings opened with appreciation to Otago branch for their efforts and apologies to North Otago for any inconvenience caused by the late change in venue.

Eric McIntosh was re-elected President and Sutton Burtenshaw - Vice President. The latter chaired the meeting due to the President being unwell. The Annual Report spoke of continued progress during the year, with increased membership, a record number of branches operating and more members contributing to the DX Times. Stationery sales were up on the previous year and League finances are in a healthy condition. The raising of \$226.30 in donations towards replacement typewriters and new equipment was a sterling effort during the year. All members were reminded that the success of the Times depended on their support by way of contributions. Those residing outside the area of established branches were reminded that favourable consideration will be given to formation of new branches provided that a minimum of 5 members are willing to actively participate in the proposed branch.

Arthur Cushen, League Public Relations Officer reported a total of 278 enquiries regarding the hobby were received during the year. Each of these received a personal reply and details of the League. The DX Times Editor's Report noted that the Broadcast section had received better support numerically than the shortwave section in the past 12 months. In the coming year, Magcom will seek ways of improving the standards of shortwave DXing. Peter Grenfell's DX Archives Report showed good progress in the preservation of relics from the early days of radio and DXing, with the QSL collection of the late Frank Wilson high-lighting the year's contributions. He appealed to everyone not to throw anything in the fire or rubbish bin until the question had been asked - "will this be of value to someone or some organisation in years to come?" (Write to Peter c/- Box 112, Oamaru.)

Southland 'scooped the pool' in the interbranch competitions for the first time since 1964. Results: Albert Stanton EC Trophy - Southland 3399 points, Wellington - 2975, Otago - 2805; Hope MacGregor SW Trophy - Southland 2815, Wellington 2753, Otago 2407; Columbus Trophy (aggregate) - Southland 263, Wellington 311, Otago 582. Both individual Best of Year awards went to Bryan Clark, Wellington with HJOG Colombia 1300kHz 1kw and Reunion 2446kHz 4kw. Adcom announced the following changes in the rules governing the interbranch competitions: - All loggings must be made in the geographical area of the branch, but those made at a National Convention are also eligible. Secondly, any station already verified may be relogged and the resulting verification entered in future competitions. Thirdly, the Columbus Trophy requires each competing branch to enter only 12 verifications on broadcast and 12 on shortwave, with no member entering more than 4 verifications in each category. The same verification cannot be entered more than 4 times in any one competition. Past President Merv Branks felt that smaller branches should have no difficulty in mustering an entry for the Columbus Trophy in the future. Revised rules will be sent to all branches.

Remits were discussed and passed as follows - Voting by 5 to 3, it was decided to abolish the \$3.00 student subscription and to introduce a \$1.00 joining fee. Thus the annual subscription is now a standard \$4.00, with new members paying \$5.00 at the beginning of their first year. Constitutional additions are - Members in Branches must be financial to the League, and, A copy of the League Balance Sheet together with a copy of the Auditor's Report and the National President's Report shall, not less than seven days before the meeting, be sent to all Branches or persons entitled to receive such notices of meeting of the League.

Other topics discussed included - a suggestion by Canterbury Branch that the League's business year and AGM date be changed as the current meeting in September/October usually clashed with examinations. A proposal for a 'ham' column was opposed. The new report form layout, as published in the July Times, was approved with a few minor amendments.

TV & FM DXing.

During our Summer months long range television is a fairly common occurrence, and from this Summer, FM sound broadcasting joins the scene, with it's imminent introduction in Australia. So, for the next few months this section will be available for your reports and news of the very high frequencies....

FM BROADCASTING ACROSS THE TASMAN. The Australian Government has approved the immediate introduction of FM broadcasting on the VHF band, so that each state capital should have 2 or 3 FM outlets by mid-1976. In a welcome reversal of their earlier decision to use the UHF band, a planned 'clean-out' of the recognised VHF FM spectrum to accommodate the stations, has been set up. As soon as is practicable (before Christmas 1974) a limited introductory service is planned to operate in Sydney and Melbourne in the 92-94MHz range, with regular services within 2 or 2½ years. Over a period of 21 months all Channel 5 TV stations will be reallocated other frequencies to clear the 101-108MHz range. These two frequency ranges will give adequate space for all requirements for at least 7 years. Initially, stations would have an 800kHz separation, later reducing to 400kHz, depending on expected improvements in transmitters, aerials and receiver performance. This move would mean adequate channels up to about 1985. The third phase would include shifting Ch.4 TV stations and aeronautical DME services to provide adequate extra channels up to 1995. Finally the full 88-108MHz range would be 'cleared' by moving TV channel 3 below 88MHz. As a rough guide, phase 1 gives 26 FM channels, phase 2 - 42 channels and, finally, after stage 4, a possible maximum of 50 would be available. (Comment: Here in NZ we would need a similar cleanout although none of our TV channels encroach. Principal offenders are taxi and other vehicle communications. But then our FM is a long time off...)

MAILBAG. Robert Burrowes of Feilding has QSL'd AKTV2 ch.2 and WNTV1 via ch.2 Wharite.

John Slater, Waiheke Island has verified reception of AKTV2 via ch.2 Whatarua and ch.1 Te Aroha. He also has a letter out to ABCN Orange NSW ch.1 regarding reception last summer.

Bryan Clark, Wellington is building an FM aerial to chase the Aussies this season. To date the TV Log has 7 Aussies verified and 3 NZers - making 10 QSLs in 10 years of TV DXing!

TRANS-TASMAN CHANNEL CONVERSION FOR TV.

Australia	New Zealand
Channel 0	equivalent to Channel 1
1	" " " 2
2	" " " 3
3	has no equivalent in NZ
4	" " " "
5	" " " "
5A	" " " "
6	equivalent to Channel 4
7	" " " 5
8	" " " 6
9	" " " 7
10	" " " 9
11	has no equivalent in NZ

(There is no equivalent in Australia for New Zealand's channel 8.)

Info supplied to John Slater by AKTV2 Regional Engineer, who commented that high anticyclones over the Tasman Sea favour Trans-Tasman TV DX, during our Summer months, with reception up to 2000 miles on record for this area.

WANTED

Would one of our Australian members please advise the frequencies of the FM stations due to be operational in Sydney and Melbourne in the next month or two. Write to Box 2956, Wellington

1975

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ARTHUR CUSHEN
212 Barn Street
INVERCARGILL



Shortwave Mailbag

9

Pride of place this month goes to Barry Williams with a verification from Beira. Mozambique 3275 khz. AFAN McMurdo is now verifying promptly, and the Latin Americans are rewarding quite a few.

Brian Molloy asks how country points are assessed when relay transmitters are used - these are always based on the transmitter location. Rod Sainty reports that he has purchased a Sony 22 transistor and intends to accomplish some good DX from Waiheke Island. Looking back, he has a QSL from PCJ Holland received in 1947. More Best of the Month entries please !

STEVEN GREENYER, Invercargill has QSL's from Barquisimeto 4990 Sur Colombiana 5010 AFAN 6012 BBC 11955. BBC 11955 is Cyprus at 0430.

ROD SAINTY, Auckland has one from Israel 9545.

DERYK DUFFY, Auckland has 78 reports out and QSL's in from VOPhil 9580 RBI 9755 Cairo 9805 Turkey 11880 Austria 6155 15410 17850 21675. Your latin letters are the nearest thing to QSL's you'll ever get !

BRYAN CLARK, Wellington has had a busy month with 17 out and QSL's in from Vatican 11700 Brasilia 11780 Sierra Leone 5980 Ujung Padang 4985.

DALLAS MCKENZIE, Christchurch has QSL's in from HGJB 15300 NHK 17855 15195 11705 9670 21570 ORTF 6015 Saudi Arabia 9610 Brussels 11810.

ANDREW MITCHELL, Christchurch has veries from NHK 17880 TWR-Bon 11850 R Ned 11730 VLM4.

PAUL ORMANDY, Oamaru has QSL's from BBC Tebrau 11750 RNZ 9540 Moscow 9700 Portugal 6025 IBA 7395.

JOHN DURHAM, Meremere has a goodly list from Japan 9585 Budapest 6110 ORF 6155 Monaco 11855 11760 CBC 9480 5960 5970 Cuba 11930 HGJB 6085 Brasilia 11780 Atlantida 4790 Ned Lop 15130 RA Lyn 6005 DW Koln 7130 DW S 6085 RAI 5990 RA Dar 6195 Warsaw 6135 Central Districts 3290 plus BBC 2 and VOA 2.

MARK NICHOLLS, Taupo has them back from Madrid 9530 AFRTS 11805 Japan 17880 RA 5995 17820 15320 15160 15140

LANCE ANDREWES, Dunedin has QSL's from SBC 9725 Cuba 11910.

BRIAN MOLLOY, Auckland has veries from FEBC 11920 Israel 7395 9009 Moscow 11790 VOA Monrovia 21610

BRIAN MOLLOY, Continued AFRTS Delano 21500 Japan 9505 Portugal 11935 Ned Hilv 15305 Havana 11760 Pyongyang 15630 RCI 5925.

JACK FARROW, Lower Hutt has them from Papua 4890 VOA 5995 Ned 6165 Prague 9540 AFRTS 9755.

DES DAVEY, Te Kuiti has nil out but veries back from DW 21540 RN Bon 9715 Budapest 9833 RAI 5990 AFRTS 9700 PEN 3910.

NIGEL ROBINS, Wainuiomata has QSL's from Luz y Vida plus pennant 4825 Atlantida 4789 plus sta ps.

BARRY WILLIAMS, Auckland has 'em back from Beira 3275, Brasilia 15245 Abidjan 11920.

RAY CRAWFORD, Invercargill has them from VOA Monrovia 6180 DUH2 6170 SBC 9725 Austria 11870 NHK 15270.

ARTHUR GUSHEN, Invercargill has verified Sweden 11955 HGJB 5970 6075 RBI 6115 VOA/BBC 7235 Nordsee 6210 AFAN 6012 Poland 5995 Brasilia 11780

HARRY WEATHERLEY, Melbourne has QSL's from SBC 3985 Union 6115 Rome 9710 FEBC 11920.

SUTTON BURTENSHAW, Invercargill has no QSL's but report to AFAN 6012. Understand this first SW log in 15 years !

LINDSAY ROBINSON, Invercargill has QSL's from YVPA 4940 Brussels 9655 VTVN 7175 VOA/BBC 7325 VOA kavala 9695 Central Districts 3290

JONATHAN AITCHISON, Dunedin has QSL's Atlantida 4790 Kiev 6040 Cuba 15230 Gran Colombia 4910 plus penn. SBC 3985 Western Dist 3305 Budapest 11910 RSA 17780.

MURRAY ROBSON, Christchurch has QSL's from RN Bon 15220 RN Lopik 15130 Athens 9630 Moscow 5015 Kavala 7150 VOA Tangier 15205.

DENE LYNNEBERG, Titahi Bay has QSL's in from Central Districts 3290 R Central 9575 Kuching 5005 6050 AFAN 6012 Quito 4923 DW Malta 9625 DW Julich 3970 test VL5UV 1630 RM Vinnitsa 11735 Thailand 9655 RA Lyn 6005 SABC 4790.

ANDREW WHITE, Christchurch has veries from ORTF 6015 YVKM 5030.

PHILIP GARDEN, Dunedin has veries from AFAN 6012 and FEN 3910 6155.

CECIL SYMMES, wellington has QSL's in from VOA Greenville 6190 11850 11830 Hungary 9833 RA 9570 17820 15230 Prague 9450 RBI 9560 RAI 9710 Voice of Phil 9580 Tirana 11990 Bucharest 11775 RN 15130 Tokyo 15235.

JACK SEARLE, Haumoana, has QSL's from RA Shepp 11760 15290 11850 Japan 11705 Atlantida 4788 RTB 9655 Sweden 6065 Pakistan 9463 after 4 years ! SBC 15140 VOA tinang 15210 RAI 11810 DW Koln 7285 Bucharest 7225 Havana 11840 TWR Monte Carlo 7105 11855 RNE Noblejas 9515

STAN LARKING, Whakatane has 26 out with QSL's in from VOA kavala 7170 RN Lopik 15130 DW Julich 17875 17825 Kigali 15410 Vatican 9625 Havana 9525 Juventud 4900 RAE Buenos Aires 6060 Atlantida 4789 Yaracuy 4940 Bolivar 4770.

JOHN MAINLAND, Wellington has QSL's from Union Peru 6115 DW Malta 6065 TWR Monaco 11780 Brasilia 11780 Stockholm 15390 RA Dar 9770 15185 BGC/Delano 11880 RRI Yogyakarta 7110 Vienna 15155..

MIKE SMITH, Matamata has QSL's from VLI6 6090 RNE 11925 Rumbos 4970.

ERIC MCINTOSH, Invercargill has veries from Teheran 9022 Cuba 11930 AFAN 6012 VOA Kavala 9695 DW Julich 21560.

PETER GREENER, Auckland has QSL's from RAE 9690 11710 Paris 7135 FEN Japan 3910 WINE 15185 IBRA 9670 plus pennant HCJB 6080 Tahiti 15170 RBI 9500 Swden 6065 VOA 5955 Iran 9022 plus pennant RAI 5990 Nigeria 15185 AFRIS 6095 9700 Budapest 11910 Voice of Vietnam 11760 9525, RNE 11925 plus pennant Vatican 11845 DW 7210



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en Español

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SHORTWAVE BANDWATCH



Of interest this month is the appearance of Sanaa, Yemen on 6050 and 9585kHz. Radio Ghana is noted on 6130kHz with a service to West Africa. Radio Bangladesh is being heard on 21685 and 17745kHz. The Kota Kinabalu transmitter of Radio Malaysia has been observed with Arabic programming on 15275kHz. Some openings to Brazil have occurred during afternoons on 31, 25 and 19 metres. Many frequency changes were made by international broadcasters on 3 Nov. Peak reception from most areas should now be during the hours of darkness, tending towards the higher frequencies. (+ indicates overseas contributor)

ALL TIMES ARE GMT (13 hours behind NZ Daylight Time) FREQUENCIES IN KHZ.

FREQ	TIME	COUNTRY	PROGRAMME & RECEPTION DETAILS	INITS
1750	1038	AUSTRALIA	VL2UV University of NSW fair. Good by 1050.	<u>PGR</u>
2307	1208	INDONESIA	RRI Jakarta fair with news then a musical prgm.	<u>SG</u>
2495	1330	INDONESIA	RRI Bandung with pops and ident 1400.	<u>RC</u>
3210+	1300	THAILAND	Thai Education Svce id & nx,fair. EE lessons 1245.UADY	
3275	1750	MOZAMBIQUE	La Voz Mozambique, Beira hrd 7/9 fair till fade under CW QRM 1830. Int sig & local nx 1800 in native dialect. None of the Lourenco Marques outlets on 90 metres audible.BW	
3322	0930	PAPUA NEW GUINEA	Radio Bougainville good with EE pops.	PO
3375	0533	ECUADOR	Radio Melodia, Quito good overall signal with mx prgm in SS with idents for 'Radio Melodia' and affiliated 'Radio Nacional Espejo'. Listed as inactive on 3370. Not hrd since.	<u>DL</u>
3385	1705	SRI LANKA	hrd fair one morning //4902 till f/out 1800. Also noted Sri Lanka on 4870 & 4968 this day. (New moon service?)	<u>BW</u>
3385+	0915	FRENCH GUINEA	ORTF Cayenne s/on in FF. Id & mx. Jones, NASWA.	
3925	0935	PAPUA NEW GUINEA	Port Moresby poor with 'Songs of the Islands' CS	
3952	0545	GREAT BRITAIN	BBC London poor-fair s/on in EE.	<u>FG</u>
3985	0600	SWITZERLAND	SBC Berne European Svce in GG, Italian & FF. Good.	<u>CC</u>
4066	1100	INDONESIA	Merauke with popular music programme.	<u>AC</u>
4770	0625	LIBERIA	ELWA Monrovia fair copy with EE religious prgm.	<u>JS</u>
4780	1140	HONDURAS	Radio Juticalpa fair with mx & many advts.	<u>SL</u>
4795	1759	MAURITIUS	Forestside on the wander again! BBC Nx 1800 followed by FF prgm. Fair 3/11. Blocked by teletype since.	<u>BC</u>
4832	0935	GOSTA RICA	Radio Capital noted with all night prgming.	<u>SG</u>
4855	0830	BRAZIL	Radiodiff de Taubate fair in PP 10/10.	<u>BC</u>
4890	0745	PAPUA NEW GUINEA	Port Moresby good in EE at changeover of transmitters from VLK4 to VLT4.CC. 1045 good with pop mx.	<u>CS</u>
4904	0507	CHAD	Ndjamana good in FF with teletype QRM. JS Very good with FF advts. Only Radio Colossal was stronger on all 60 metres!	<u>BC</u>
4895	0608	PERU	Radio Chanchamayo fair to sign off 0610.	<u>JS</u>
4907	1028	KHMER REPUBLIC	Phnom Penh fair-good 26/10.	<u>MS</u>
4915	0552	GHANA	Accra poor with EE Nx 0600. MR 0559 poor. PGr. 0600 fair.	<u>JA</u>
4920	0527	HONDURAS	HREL3 Radio Progreso well over Brisbane with frequent idents. VLM4 dominant by 0555, 3/11.	<u>BC</u>
4945	1020	COLOMBIA	Radio Colosal fair with Nx talk in SS.	<u>CS</u>
4955	0930	COLOMBIA	Radio Nacional de Bogota excellent in SS.	<u>PO</u>
5005	1930	MALAYSIA	Radio Malaysia Kuching s/off 8/9 after election results. Excellent, strongest station on 60 metres.	<u>BW</u>
5010	0700	COLOMBIA	Radio Surcolombiana popular mx. AC. 0706 vg in SS.	<u>PO</u>
5030	0544	DOMINICAN REP.	La Voz del Papagayo, La Romana fair. Freq ids.	<u>DL</u>
5033+	0500	CABINDA (Near Angola)	A Voz de Cabinda s/on with anthem. ShawNASWA	
5040+	1431	BURMA	Rangoon with dance music an EE announcements.	<u>HW</u>
5047	0558	TOGO	Lome fair in lang similar to FF. Many idents.	<u>MR</u>
5273+	0940	PARAGUAY	Radio Nac. de Paraguay political talk & Mx. Lazarus ASWLC	
5952	0626	COLOMBIA	Radio Super de Medellin. Many ids & timechecks. DL Id is "En el aire, Radio Super, desde la hermosa ciudad de....."	

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITS
		...	Medellin, lleva Super	- Radio argullosamente Colombiana".	NR
5970	0950	DOMINICAN REP.	Radio TV Dominicana	vg in SS.Full id 1000,then nx.DL. 1004 fair with frequent idents in a long nx bulletin.	SG
5980	1147	SABAH	Kota Kinabalu	EE stocks & shares report at fair level.	NR
5980	0700	USA	KGEI "Golden Voice of Friendship"	in EE to 0900.AC 0715	HW+
				0800 good level in EE to Asia. Gospel prgms.	CC
6000	0415	HUNGARY	Budapest	vg in EE //9833.NR. Nx good.SL.Fair in EE to Nth America. JM. Nx,comment & music, fair.	CS
6010	0531	PORTUGAL	Deutsche Welle	via Sines s/on in Czech or Slovak.	JD
6012	0900	ANTARCTICA	AFAN McMurdo	good signals 2E/10 after nearly 60 hours trying,hi! RC Solid pop mx & C&W till f/out 1010.Fair.	LR
6015	0520	FRANCE	ORTF Paris	with FF prgm. JSL received in 3 weeks!	DM
6025	1149	MALAYSIA	Radio Malaysia	Kuala Lumpur Chinese prgm,fair.	NR
6035	0500	POLAND	Warsaw	with relay of Home Service 2nd Prgm.Very good.	NR
6060	0618	ITALY	RAI Caltanissetta	fair-good with Home Service in Italian	NR
6060+	0858	ARGENTINE	LRA34	opens with national anthem.SS nx at 0900.	HW
6065	2000	MALTA	Deutsche Welle	relay good at s/on in Arabic.	PG
6065	0813	COLOMBIA	Radio Super	fair with many idents in mx prgm.	SG
6070	0820	INDONESIA	RRI Jayapura	good in Indonesian.	PG
6075	0457	GREECE	Athens int.sig.	Greek from 0500, poor.	JM
6130	0830	ECUADOR	HCJB Quito	clear signals with gospel service.	RS
6130	0632	GHANA	"External Service of Radio Ghana",	Accra audible in EE at fair level after HCJB off.EC 0640 poor,EE talk and African music in service to West Africa.	JM
6145	1000	UNITED STATES	United Nations	via Dixon(250kw) s/on in EE.	PG
6145	0556	NIGERIA	NBC Calabar	with mx.EE nx 0600.Local id 0610.Poor.	JM
6155	0420	UNITED STATES	WYFR	fair in RR with gospel prgm till s/off 0445	JM
6175	1000	MALAYSIA	Voice of Malaysia	fair in Indonesian.	PO. /JM
6180	0500	GREAT BRITAIN	BBC	with World Service News,fair.Also 9825.	JF
6195	2000	AUSTRALIA	RA Darwin	fair at s/on of Asian Svce in EE.	JE
7010	1300	PAKISTAN	Islamabad	good with news in EE.	JD
7100	0626	MONACO	Trans World Radio	good with religious prgm in EE.	JF
7105	1845	SPAIN	RNE Madrid	with ident in SS & Mx,good.CS.1945 strong.	RS
7110	0442	GREECE	VOA Rhodes(50kw)	very good level in AA.	NR
7115	1042	THAILAND	Radio Thailand	with Thai mx & anncts, fair level.	NR
7120+	1430	SOMALIA	Hargeisa	s/on in Somali.Mx & many ids till QRM from BBC at 1700.Location per id,not listed Mogadishu.Pickering	SC DXC
7130	2151	WEST GERMANY	Deutsche Welle	in EE. Poor due QRM.	LA
7165	1058	RYUKYU Is.	VOA Okinawa	s/on in EE. News at 1100,very good.	NR
7170	1920	GREECE	VOA Kavala	fair with Magazine prgm.Nx headlines(500kw)	CS
7175	0525	ITALY	RAI Caltanissetta	relays 2nd prgm.5kw to Europe.Padula	ADYN
7260	1800	EAST GERMANY	RBI	strong in EE.RS.0500 ending Home Service in GG at very good level - 'Die Stimme der DDR'.	NR
7295	1055	MALAYSIA	Radio Malaysia	Penang good with pop mx prgm in EE.	NR
7689	0600	CLANDESTINE(Rumania?)	Radio Espana Independiente	vg in SS with several idents till s/off 0655.	JS
9009	0500	ISRAEL	Jerusalem	good with nx in EE. JF 2000 EE,excellent.	JE
9490	0445	ALBANIA	Tirana	fair in EE with Weekly Review.	CS
9495	0500	ISRAEL	Jerusalem IBA	with EE and FF nx. Good but QRN.	CS
9505	0305	DOMINICAN REP.	Radio TV Dominicana	pop mx prgm in SS.	NR
9515	1200	MALAYSIA	Kuala Lumpur	with Malay prgm-"Warta berita dari R.M"	NR
9545	0146	BRAZIL	Radio Universo	fair level with PP pops mixed Honia a.	NR
9550	0454	BULGARIA	Radio Sofia	pan pipe mx & Greek prgm at fair level.	NR
9550	0340	NORWAY	Oslo	fair in Norwegian.Blocked by Sofia at 0400.	SL
9550	0300	FINLAND	Helsinki	poor in EE to Nth America ex 9585.JM. 0315 "Finn DX" prgm good but QRM Chile.NR.0600 Exc s/on in Finnish	SL
9570	0630	ECUADOR	HCJB Voice of the Andes	poor in EE.	JA
9585	0345	YEMEN	Sanaa AA service.	Ident 0358,nx 0430 22/10.JM. 0425 vg in AA with music prgm.Full id 0432 then nx.EC 0500 AA prgm.	AC
				Another new freq 6050 observed in AA at 1800 GMT. AC	

<u>FREQ</u>	<u>TIME</u>	<u>COUNTRY</u>	<u>STATION</u>	<u>PROGRAMME & RECEPTION DETAILS</u>	<u>13</u>	<u>INITS</u>
9615	0155	MOROCCO	RTV	Morocaine fair-good with AA prgm.		NR
9615	2210	VATICAN STATE	Vatican Radio	s/on good with English.		PG
9630	0515	SPAIN	Radio Nacional de Espana	exceptionally strong in SS.		CS
9645	0828	BRAZIL	Radio Bandeirantes	very poor at this time.		MS
9650	0500	KUWAIT	with news in AA.	Moderate QRM from Canada 9655.		JD
9670	1129	JAPAN	NHK Radio Japan	with General Overseas Service.		DM
9675	0540	FRANCE	ORTF Paris	good with nx in EE to Africa.		CS
9675	0230	LEBANON	Beirut	fair in EE. JS. EE to Nth Am. Clear by 0250.		CC
9690	0302	ARGENTINA	RAE	fair reception // 11710.		PGr
9695	0200	GREECE	VOA Kavala	with Breakfast Show.		AC
9705+	0600	NIGER	Niamey	in FF Sunday, mixed Algiers. Fair. Pickering SCDC.		NR
9750	0432	TAHITI	Papeete	at good level in Tahitian.		NR
9750m	2006	IRAQ	Baghdad	good in EE. Announced 9745 but measured here.		JS
9770	2030	SAUDI ARABIA	Riyadh	poor in AA to s/off 2120. JM. 2100. AC 2103 ident-"Ida'at il Mamlakah t'il Arabiya al Saudiyah..Riyahd".		NR
9815	2000	ISRAEL	IBA Jerusalem	excellent opening in English.		JS
9850	1945	EGYPT	Cairo	with local music, good and clear.		RS
9912	1946	INDIA	All India Radio	good in EE // 9525.		SL
11705	0300	CUBA	Radio Havana	signs on in SS. (Sweden here in EE 0230. NR)		AC
11720	0334	EAST GERMANY	RBI	in Swahili //9500, good. NR. 0445 EE to Africa.		JM
11720	0945	CHINA	Radio Peking	vg with documentary in EE. CS. 1020 very gd.		RS
11740	0015	UNITED STATES	OAS Radio	via Bethany poor with SS service.		JM
11770	0300	MEXICO	Radio Mexico XERMx	very good with SS pop prgm.		NR
11775	0118	SPAIN	RNE Madrid	poor in SS due strong heterodyne.		LA
11780	1717	SAUDI ARABIA	Riyadh	poor in AA. JM. 11790 vg in AA at 0603.		NR
11795	1830	MONACO	TWR Monte Carlo	in AA following Armenian. EE anct.		CC
11800	0530	ETHIOPIA	ETLF	EE to West Africa. Fair replacing 11910, 3/11.		JM
11805	0303	BRAZIL	Radio Globo	with "futebol". Ident & Commercials 0311.		BC
11810	0010	BELGIUM	ORU5 Brussels	in Dutch (Flemish?)		DM
11810	1100	CHILE	La Voz de Chile	poor after RA JJ Service s/off. Comment & ids in RR. GG at 1120. New frequency. Also 6195 logged with Italian 0940, FF 1000, EE 1020. Fair with QRM BEC Tebrau. BC		BC
11815	0100	NETH ANTILLES	TWR Bonaire	good with gospel prgm in EE. CC. 1230RS		RS
11815	0230	WEST GERMANY	Radio Free Europe	strong with Mx. Ident in EE.		NR
11850	1150	INDIA	AIR Delhi	with Wx for Expeditions in EE. //9705 good.		DM
11850	0805	NORWAY	Radio Norway	Oslo in English, Sundays only.		SG
11865+	2200	MONGOLIA	Ulan Bator	in English. Nakanishi JSWC.		NR
11875	2130	UNITED STATES	WYFR Family Radio	good with EE gospel prgm.		SG
11900	0900	NEW ZEALAND	External Services Division	of NZBC tested here 3/10, 8/10, 9/10. Good but transmitter problems. DL. Test to Aust. BC		BC
11905	0140	ITALY	RAI Rome	in Italian. DM. 0235 Music and ident in Italian. CC		CC
11910	0415	HUNGARY	Budapest	strong in EE to Nth America. Perhaps 250kw? CC		NR
11965	0407	GUINEA	Radio Conakry	fair-good in vernaculars & FF. Local mx.		NR
15110	0600	MEXICO	XERR Radio Tricolor	in SS with phoned requests. Id every 30 mins as-"Desde la capital de la Republica Mexicana, trans- mite XERH, Radio Tricolor, con 20 mil watts de potencia, cub- riendo todo el país. Un espacio del grupo oro, la organización radiofonica de mayor imagen en Mexico". Daily prgm called "Complacencias de la medianoche" till 0800. NR. 0650 fair from early afternoon. SG. Regular 0530-0758 s/off. Id jingle often. HW+		HW+
15110	1010	HOLLAND	Hilversum	here ex 15130 exc //11825. SL 15130 replaced by 9640. AC (Which is current?) 15130 fair in EE to Asia.		CS
15120	0830	VATICAN STATE		hair signals in Italian on Sundays only.		SL
15125	2200	TAIWAN	Voice of Free China	excellent in Japanese.		NR
15130	0730	ISRAEL	Jerusalem	with Home Service in Hebrew. Fair //12050.		JM
15130	1420	SPAIN	RNE Madrid	poor in SS. Recent new freq. QRM from 1430.		JM
15155	0318	BRAZIL	Radio Tupi	with "Musica Popular Brasileira" in PP.		NR
15135	0258	BRAZIL	Radio Panamericana	re-activated? fair with ids, s/off 0305		NR
15155	1510	AUSTRIA	Vienna	with GG musical prgm till s/off 1655. Poor. JM/NR		NR
15170	1900	TAHITI	ORTF Papeete	with English prgm till 1910, good. CC At 1945 has news in Spanish!		PGr
15175	0800	NORWAY	Oslo	fair till f/out 0816. PGr. 0825 SS segment after EE. NR		NR

FREQ	TIME	COUNTRY	STATION	PROGRAMME & RECEPTION DETAILS	INITIALS
15200	1830	AUSTRIA	Vienna	fair signals with "Austria Calling".	SL
15205	0630	BELGIUM	Brussels	s/on in Dutch to Africa. Recent new freq.	JM
15225	2245	TUNISIA	Tunis	in AA at fair level with idents as "Ida'at il Jumhuriyah al Tunisiya".	NR
15250	0645	ROUMANIA	Bucharest	in EE to Aust., NZ & Pacific. Good.	CC
15270	2346	JAPAN	NHK Radio Japan	fair in EE. <u>JF</u> Also 15105 at 2305 fair. 15235 poor in EE 0945. <u>CS</u> 15195 in English at 0815.	JF DM
15275	1400	SWEDEN	Stockholm	EE to Asia poor due <u>QRM</u> DW. New freq. also at	
15275	1230	POLAND	Warsaw	in EE to Africa //11810. Fair. JM. /1230.	JM
15275	1600	SABAH	Voice of Malaysia via Kota Kinabalu	fair level in AA. S/off 1632. <u>DL</u> Poor with news and music in Arabic.	JM
15320	2300	NETH ANTILLES	Radio Nederland	good with news in Spanish.	JD
15320	1139	EAST GERMANY	RBI in Hindi to Asia.	EE 1200 fair. <u>JM</u> 1226 fair but frequency jammed. //17700 and 21540. (17700 good <u>JD</u>)	SL
15365	0425	CANARY IS.	RNE en Canarias.	Mx and talk in SS. Poor due noise.	CS
15415	0049	BRAZIL	Radio Clube Riberao Preto	good with PP pop mx prgm.	NR
15425	0645	EAST GERMANY	Radio Berlin International	fair in EE to Asia.	JM
17705	1516	VATICAN	Vatican Radio	good in EE to India after Malayalam.	DL
17775	1004	INDIA	AIR Delhi	with news & mx in EE, good. <u>CS</u> 1010 strong, clear.	
17780	0610	SOUTH AFRICA	Radio RSA	tuning signal. <u>Nx</u> 0615 in EE. Poor. <u>BC</u> /RS 0615 good in EE. JA. 0715 s/on fair in FF.	PG
17792+	2300	INDONESIA	RRI Jayapura	//15345 to 0100. Popular mx. Padula <u>ADN</u> .	
17830	0538	PAKISTAN	Karachi	with EE <u>nx</u> . <u>AM</u> . 17720 good in EE 0930.	CS
17840	1200	ROUMANIA	Bucharest	good at s/on in EE followed by news.	JD
17840	0900	SWITZERLAND	Berne	excellent in EE with "Dateline".	SL
17855	0800	JAPAN	NHK with EE.	<u>DM</u> . 0210 strong with EE <u>nx</u> . <u>RS</u> . 17880 SS 0230.	JF
21470	1010	GREAT BRITAIN	BBC World Service	with Election Results.	CS
21560	1058	GREAT BRITAIN	BBC European Svce	with "World of Pop" in FF.	BC
21610	2315	USA	VOA Dixon	good with Breakfast Show. <u>CS</u> . 2342 <u>JF</u> s/off 0100.	CC
21655	0800	NORWAY	Oslo	fair in EE Sundays. 21670 10kw weak in parallel.	BC
21685	0545	BANGLADESH	Dacca	with Overseas Service in EE. <u>Nx</u> , <u>cmt</u> and <u>mx</u> prgm. Good. //17745 also hrd fair. First observed 3/11.	BC
21700	1030	CZECHOSLOVAKIA	Radio Prague	fair with EE <u>Nx</u> and <u>Mx</u> prgms.	CS
21725	0709	AUSTRALIA	RA-Darwin	new freq 0600-1030 fair-good. <u>BC</u> EE prgm.	DL
21745	0900	USSR	Peace & Progress	exc in EE. New freq //21635, 21600.	BC RS
25710	0900	GREAT BRITAIN	BBC London	hrd one day only in English.	DM

CONTRIBUTORS. Thank you to...

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MS Mike Smith	LA Lance Andrewes	BC Bryan Clark	DL Dene Lynneberg	
PG Phil Garden	CC Colin Campbell	AC Arthur Cushen	JM John Mainland	
PGr Peter Greener	SL Stan Larking	MR Murray Robson	BW Barry Williams	
RC Ray Crawford.	Union of Asian DXers. Nth American SW Association.			
American SW Listeners Club. Australian DX News. Japan SW Club. Southern				

BEST OF

Under 9mHz:

Sierra Leone 5980 10kw
Bryan Clark.

Over 9mHz:

Radio RSA 17780 250kw
Jonathan Aitchison.

THE MONTH

SHORTWAVE STATION OF THE MONTH

SEE PAGE 2.



ARTHUR CUSHEN'S SHORTWAVE REVIEW

15

On November 3 not only did we have a time change with local time being 13 hours ahead of GMT, but also many stations made their seasonal frequency change. New high powered transmitters in Yemen, Swaziland, and the U.S.A. are reported this month, while Sierra Leone has increased its power. All times are GMT - add 13 hours for New Zealand Summer Time.

ANTARCTICA: American Forces Antarctic Network has verified by letter a report for 6012. The power is 1kw and the station operates 24 hours a day with live programmes between 1800-1300 GMT, with the rest of the programming being transcribed. According to the verification letter from William R. Carter, AFAN Station Manager, the AFAN studio is located in downtown McMurdo, with transmitters located about three miles south on Transmitter Hill, overlooking Scott Base. The station endeavours to provide all of the isolated stations in Antarctica with entertainment, and this is the reason for experimental broadcasts on 6012. The address is: AFAN, U.S. Navy, Operation Deep Freeze, c/- Christchurch Airport.

ANTIGUA: The Marconi company has been granted the tender for the four 250kw transmitters to be installed for use by the BBC and Deutsche Welle, and installation has commenced.

AUSTRALIA: Radio Australia has retimed its service to Europe and the United Kingdom, and it is now 0815-0915 on 9570 and 11765.

AUSTRIA: Vienna has the following amended frequencies effective 3 November. 1900-2200 9710; 1200-1300 11945; 2100-2200 7105; 1900-2100 11945.

CANADA: Radio Canada's new timing to the South Pacific is 0900-1000 on 5970 and 9625.

COLOMBIA: Radio Super, Medellin is being heard all night and is best at 0730.

COOK ISLANDS: Rarotonga 5045 has extended its schedule and now closes at 0900 opening at 1630.

CUBA: Havana opens at 0300 in Spanish on 11705, blocking Radio Sweden.

ECUADOR: HCJB on 6180 opens at 1100 at good strength.

MALTA: CBC is using the DW transmitters for services to Africa and Europe. Africa: 0530-0730 on 9625 6110 and 1570 medium wave. The transmission from 1800 uses the same frequencies.

SAUDI ARABIA: Riyadh has been heard on 9770 closing at 2120. The transmission is 1900-2120 and is also noted on 5992 6080 7110 7220 and 11950.

SIERRA LEONE: The Sierra Leone Broadcasting Service operates on two shortwave frequencies. 5980 from 0745-1015 and 1230-1740. On 3316 from 0555-0730 and 1745 to 2330. Power is 250kw. Verifications are signed by M.P. Roberts, Engineer in Charge, S.L.B.S., New England, Freetown.

SWAZILAND: TWR is testing its 30kw transmitters to the following schedule:
To south Africa:

7135khz	1545-1555			
6175	1605-1615	1725-1735		
4790	1625-1635	1705-1715	1825-1835	1925-1935
3910/3940	1645-1655	1805-1815	1905-1915	2005-2015

To Zambia and Malawi etc.

6175	0300-0310	0400-0410		
7135	0320-0330	0420-0430	0520-0530	0620-0630
				0720-0730
9615	0340-0350	0440-0450	0540-0550	0640-0650
11730	0500-0510	0600-0610	0700-0710	0740-0750

USA: KGBI is now using 250kw to Asia. English on 5980 0700-0900.

VATICAN: New frequency of 9625 heard at 0630 and 0830 daily. At 0630 they use 6190 7250 9660 11740 11790 15120. At 0830 the same frequencies plus 17840.

..sign off..

AUSTRALIAN MAIL COSTS recently saw a substantial increase. Letters to New Zealand now cost 11 cents by sea for the first 20 grams, or 15 cents airmail for the first 10 g. Members logging Aussie commercial broadcasters please note! SCDXC.

SOUTH VIETNAM LIBERATION RADIO has English broadcasts on 10010 & 7470 kHz at 1100, 1230, 1430 & 2230 GMT. At 2030 14990 & 12115kHz are used. Address is c/o Bureau d'Information du CRP de la RSVN, 39 Avenue Georges Mandel, Paris 16e, France.

Paul Ormandy.

THE AFRICAN POWER GAME, CONTINUED.

The Thomson-CSF Company has contracted to provide a transmitter centre at Ekou near Yaounde in the Cameroun, with 3 MW units of 20kw, 3 SW units of 100kw and 1 of 20kw. The 100kw transmitters will provide an external service, to be operational within 30 months. SCDXers. Swazi Music Radio has begun testing it's 100kw transmitter on 4980, 3930, 3223 and 6155kHz. SCDXers. In less than 3 years, Gabon will be operating 4 500kw SW transmitters to the "four corners of the world", 24 hours a day. This announcement was made as President Omar Bongo laid the foundation stone at Moyabi, a village halfway between Franceville and Moanda. Reuters via B.Clark.

market square

WANTED TO BUY: Good quality communications receiver covering 0.5-30MHz, with bandspread, BFO or product detector, RF and AF gain, S-meter, antenna trimmer, filters and fine tuning. Full details to Garry Butler, 21 Rugby Street, Wellington 2.

FOR SALE: Nivico FA6000 6 band transistor portable. \$105 o.n.o. Write to Arthur Williams, 188 North Street, Timaru.

WANTED: Information appreciated on a Stewart Warner R303A converter 2 tube unit to convert MW receiver to cover SW. Details of tubes used. Constructional data on spiral loops at least 75cm square. Details of collapsible model available. Write A.Williams, 188 North St, Timaru.

New Zealand Radio DX League

ADMINISTRATIVE OFFICE.

P.O.Box 1313, Invercargill.

All subscriptions, enquiries re membership, competition awards, policy matters and stationery requirements, should be addressed to Invercargill.

EDITORIAL OFFICE.

P.O.Box 2956, Wellington.

Only queries regarding content and distribution of the Times should be addressed to Wellington.

Closing date for contributions - First Wednesday of the month.

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

ANNUAL SUBSCRIPTION: \$4.00. Joining Fee surcharge of \$1 for new members.

IRAG. Current schedule of Radio Baghdad is - Russian 1900-2000 on 7180, English 1930-2020, German 2020-2110, French at 2110-2200, all on 971.5kHz. Turkish 2000-2100 on 3960, 6030, 1210kHz. Persian 0800-1000 and 1700-1900 on 6095, 6030, 3960 & 1210kHz. Urdu 1400-1500 on 15400. Swahili 1400-1500 on 9635, Hebrew 1630-1730 on 6155. Internal SW programmes - Home Svce 0225-2330 on 17770, 15400, 9635, 7180, 6155 and 6095. The "Sawt ul Jamaheer" uses 7225 at 0225-2330. Kurdish 0225-0900 and 1230-2200 on 3240 & 6030kHz. Toroman at 0900-1230 on 3240 & 6030. Syriac 1530-1700 on 3960 & 6030kHz. Stan Larking.

RADIO CANADA RELAYS. From 3 November all of RCI's transmissions for Europe and Africa will be fed directly to Daventry in England via trans-Atlantic cable, and then beamed to the target areas from the relay facilities at Daventry. Additionally, new relay facilities will pick up the Daventry broadcasts for further relay to Europe and Africa. Tentative schedule for these areas is 0530-0730 GMT on 11720, 9685 & 6130 from Daventry, and 7250 & 6100 from Malta. 1800-1857 on 15325 Sackville and 9525, 6110 from Malta. 2102-2159 to Europe on 7225 & 6100 from Malta. RCSWC.

