



NEW ZEALAND DX TIMES

ISSN
0110-3636
Vol.33 No.3

Registered at P.O.H.Q. Wellington as a magazine November 1980

LEAGUE A.G.M. The President's Report provided the basis for a wide-ranging discussion of topics involving the administration of the League and its Branches. The meeting noted the debt owed by members to the committee and paid special tribute to those involved in the production of the 'DX Times'. It also expressed the thanks of the League to Charlie Chester who is relinquishing the office of Secretary due to ill-health. The crippling customs and sales tax on radio receivers remains a matter of concern and will be the subject of further representations to Government in the coming year. Publicity for the League and hobby continues to be good despite the decision of RNZ to axe the 'DX World' programme on the National network and membership levels are well maintained. During the year affiliation was finalised with the European DX Council, the Association of North American Radio Clubs and the Southern Cross DX Club. Other overseas links are under discussion.

The following competition results for the year were announced:

- Best of Year - Broadcast: Ray Crawford - HJNB R.Reloj, Colombia - 1300 kHz, 1000 watts.
- Shortwave: Leigh Morris - R.Apintie, Surinam - 4795 kHz, 50 watts.
- Junior DXer - Leigh Morris
- Merv Branks Cup - Arthur Cushen - 136 Stations
- Albert Stanton Cup -
 - Broadcast 1. Southland - 3157 points
 - 2. Auckland - 2410 points
 - 3. Canterbury - 2227 points
- Hope McGregor Memorial -
 - Shortwave 1. Southland - 3155 points
 - 2. Wellington - 3006 points
 - 3. Auckland - 3002 points
- Columbus Trophy -
 - 1. Southland
 - 2. Auckland
 - 3. Canterbury

The rules relating to the Columbus Trophy were amended to exclude reports of New Zealand stations due to the increasing issue of low-powered short-term licences to stations located in areas where reception is easy.

While the accounts showed an improvement in the financial situation, the increase in subscriptions foreshadowed in the last issue was approved and the adjusted method of collection decided on so that from 1981/82 onwards all subscriptions will become payable on the same date - namely 1 September. For 1980/81 only a proportional subscription will be payable and the names of members whose subscriptions are due will be published in the 'DX Times'. No other notification will be given a members failing to pay by the end of the following month will have their names deleted from the 'Times' distribution list. No back issues will be available for those members who fail to pay by due date and subsequently renew. The proportional rates to be paid are set out in the table at the end of these notes.

(Continued on Page 2)

DEADLINE: Noon, Mon. 1 December: Ladders, Loggings, Veries, B.O.M.

The following were elected as Officers for 1980/81:

Patron	J.Fox
President	A.T.Cushen
Vice-President	Arthur Williams
Secretary	Irene Simpson
Chief Editor	C.Symmes
Treasurer	H.Greenyer

SUBSCRIPTIONS - 1980/81

Month Due	New Zealand	Australia & South Pacific	North America & Asia	Europe, Africa, South America & Middle East
Sept. Oct. Nov. 1980	\$12.50	\$17.50	\$21.00	\$22.50
Dec. 1980, Jan. Feb. 1981	\$9.50	\$13.50	\$16.00	\$17.00
Mar. Apl. May 1981	\$6.50	\$9.00	\$10.50	\$11.50
Jun. Jul. Aug. 1981	\$3.00	\$4.50	\$5.00	\$6.00
Joining fees	\$4.00	\$5.00	\$6.00	\$6.00

NOTE: Receipts will not be issued unless specifically requested.

SUBS. NOV. 1980

The following members are due to renew their subscriptions in November 1980. For New Zealand members the amount is \$12.50. For overseas members as indicated in the table above:

Aburn P.J. Alston, H. Bluett B.M. Chisnal T. Cullen O.D. Douglas C.E.
 Eastmure R. Ellery D. Gibson G.R. Hogg O.B. Killip R.B. Lucas W.F. McIntosh D.
 Milne J.A. Oliver B.M. O'Neill Br.P.F. Parsons A.D. Payne W.R.L. Rawdon P.
 Reid J.J. Robinson K. Russell Mrs M.J.K. Scott R. Smith O.M. Smith W.B.H. Tapp A.W.
 Taylor Rev.A. Warburton, B. Warwick, D. Williams A.R. Williams G.D. Wysocki J.

SUBS. DEC. 1980

The following are due to renew in December 1981. For New Zealand members the amount is \$9.50 and for overseas

members the amount shown in the table above:

Alphors P. Berger G. Briggs W.A. Bruce W.N. Byelich D.S. Carroll B.T. Costello
 C.G. Dixon G.M. Donachie J.C. Fraser D. Garbett T.W. Hamlin P.K. Harris A.J.
 Jolly W.H. Jones R.W. Kimpton R. Kumar V. Lybery C. McNabb D. Maindonald P.
 Marshall R. Milligan G. Mitchell D.E. Morris W.J. Munro W. Neale J.R. Osborne S.
 Pearson W.J. Ramsay P. Ricketts L.F. Rosoman W.J. Rowe G.J. Vader F.M.
 Waldron E.L. Ward D. Willan L.R. (OVERSEAS MEMBERS NAMES UNDERLINED)

market square FOR SALE: YAESU FRG 7000 as new - professionally modified selectivity & 12-13.8 volt DC operation (or AC). Has been checked & aligned (receipts available) \$775 ono with extras including YH-55 matching phones, 6 way AC power junction box etc. REALISTIC 12-656 latest model long-range portable (FET & 3 RF stages) \$55 ono as new. Reason for selling - going overseas. Leigh Morris, 14 Kettle Avenue, Palmerston North - Tel. 79-587

printing - Sorry that the quality of the printing last month left a lot to be desired. The printer has been advised of comments received and we can only hope there will be no recurrence. All copies we viewed were the same and we had no replacements available.



BROADCAST DX POR EL PERSONAL NECESARIO ③

Well this month sees all the Radio New Zealand Commercial stations go 24 hour operation, it will be interesting to see the effect of this on early morning DX. Some readers have mentioned the possibility of finding out when the stations close for maintenance, the break in transmission possibly making the channel clear for DX. Adcom will be taking this up with Radio New Zealand, but don't be to hopeful about it, you're Editors expect silent periods will be few and far between.

Desert Radio has been on the air once again and will be on from 24 November to 29 November from 0600 to 1900 hours NZ time with 250 watts on 1233 kHz. News that 1ZU Taumaranui is to move to a new site at Waimeha and there install new equipment with upgraded power, according to a letter received by Eric McIntosh from the stations supervising technician.

Radio Sunshine mentioned briefly last month, was operating on 1305 kHz with the call of 4XW from 17 to 27 October to raise funds for the St Kilda Surf Life Saving Club. The station was commercial in operation and used Radio Ribbets Transmitter. The station experienced problems with transmitter operations but finally made it on the air. Thanks to Dexter Powley for info.

Southland Independent Radio are experiencing problems finding a transmitter site the original site was ruled out because it was in an aircraft flight path and some other sites have suffered a similar fate. So it is possible they may be delayed in coming on the air.

MAILBAG.

BOB DUNSTONE, Invercargill, first up this month with veries from 2XA and 2CT 1602, loggings are Huancavilica 830, Panama 840 and Cuba 940. good.

KEN GRAHAM, Mount Manganui, has logged KNIX, KDAY, KTRH, KOB, KCBS, KOMA, KVOO, CKFH, KEX, KFOX, KGU, KPUA, KNDI, KCGN, KOMA, one verie from KVOO. ta.

JIM GORMAN, Papakura. has reports only to 1XG, Vanuatu and KHVH. good.

STUART PORSYTH, Darfield, has them in from 5KA, 3BA, 2PK, 3AK, 3MP, 2XA and out to 2UH, 2CA, 2NX, 4CD, 5AA and 2XF see you soon.

PAUL SCHNELL, Palmerston North, logged 2ZG, and verified 2ZG, and Fiji 558.

ANDREW BOOTH, Darfield, has reported 2NX, 2RG, and 5PI, and has a good list of veries from 1XW, 2GN, 60, 00, UH, 3B0, 3BA, GL, LO, XA, 4MB, ZW, 5PA, 7FG, 7HT, Fiji 711, and Birobidizhan 999 kHz. ta.

LYALL MATHIESON, Morrinsville, has QSLs in from 1XC, 1XW, YW, ZH, YA, YC, ZB, ZM, XI, XA, XP, ZD, ZO, ZA, YZ, ZC, and late ones from Sam, Waves and Radio B, no logs.

IAN CATTERMOLE, Blenheim, reports 1XG, veries 5CK KRAK, KKON, KDEO, 6PM, 7FG, BED76, YJBI, JOCB, JOAD, JOFK, Singapore 792, 990, and Fiji 711. Good.

STEVEN GREENYER, Invercargill, has logged Huancavelica 830, and Fielding.

ERIC MCINTOSH, Invercargill. has veries only from 1ZU and Cuba 600. thanks.

MARK NICHOLLS, Auckland, has only one report out to 1XG and veries from 1YB A3Z and Dargaville, should be in Qt for the snow eh!

ARTHUR CUSHEN, Invercargill, has reports out to 7FG, 1XG, Feilding, Fiji 558, and Sunshine, veries are Mata 1557, JOPG, 7FG, 7NT, 2EA 1386, and Dubai 1481.

ALAN GILMOUR, GREYMOUTH, has one verie from Cook Islands 600.

PETER JONES, Hamilton, has logs of Dubai, KSSK, KPNW, WVUV, 4XA, 2KM, 4ZW, QSLs are 2PK, 2GZ and 4BC.

BRYAN CLARK, Auckland, has one QSL from 2AP and reported are Sunshine, KRE, Globo 1220, Nac Brasilia 980, El Mundo 1070, the last three logged in Rarotonga.

RAY CRAWFORD, Invercargill, with the usual large list has reported 2CA, 4BK, 3AW, 7LA, 1XG, 4XQ, 2ZG, 2ZA, 2AD, 2BE, 2UH, JOAR, Fiji 558, Sunshine, KHEY KDEO, 7FG, 5PI, China 1557, JOAB, Libertad 840, Huancavilica 830, Reloj Cuba 940, and Rhema 1503. Veries are 5SE, 7BU, 3HA, 3KZ, 5AU, 3LO, 2EA, 3BA, 4ZW, 2XA, Fiji 927, 7ZR, Oriente 770, Excelsior 910, Mitre 790, very good last three.

BRIAN WEBB, Upper Hutt, reports out to 1XG, 2CN, 2NC, 3AK, 3XG, 8AL, and veries in from 2CN, 2NC, 2NZ, 2SM, 2TM, 3AK, 3BO and 3CV. thanks.

DXERS WORLD TOUR PART IV Continuing our condensation of an 11 page report by Pete Taylor on his trip through Africa and China in late 1979. CHINA

The Central People's Broadcasting Station broadcasts time signals consisting of pips at 2 second intervals in the key of 5G+G in most cases. An exception was the Shanghai local station on 792 with 5 F sharp electronic pips at 1 second intervals concluding with a B note to mark the hour.

A jammer on 1561a in Beijing proved quite potent, blocking 1510-1600kHz. Presumably it is for H LDA. In Guangzhou (Canton) there are jammers on 675,783 and 864 (all Hong Kong CC prgms) which conveniently cut off for the 6am local news, then go back on. A local on 735 conveniently blocks Macao. It carries jamming after normal programming concludes. Some Russians and the predictable Taiwan frequencies are effectively jammed, plus, when it is deemed offensive, H LSR 1170.

Language lessons in English, Japanese and French were frequently observed: 693 Jiangsu (Kiangsu) at 1407 in EE, same city on 702 in EE 1340, 954 Hainan (Fujian Front) with EE 1131, 972 Honan in EE 1259, 990 Shanghai local has EE at 1303, 999 Guangzhou local EE 1340, 1026 Guizhou in EE //927 1340, 1077 unid location audible w/EE language lessons 1030-1100, 1179 Hubei relaying Wuhan 774 with EE 1330-1400, 1233 Changsha EE at 1300, 1296 Shanghai carries language lessons all day long and is usually dominant in Hong Kong, 1314 Jiangsu Xuzhou(?) //702 in EE 1413, 1476 Beijing Peking) in EE, FF and JJ lessons daily, 1530 Hangzhou Zhejiang EE 1330-1400.

Looking at TAIWAN, 9kHz frequency plan was in use on 621, 1314, 1539 and possibly 909, 1422 but all other stations seemed to still be on 10kHz frequencies. 621 The Voice of Asia Taipei was noted from Hong Kong with EE news 1031 but did not have a 'super power' sound. Others heard daytimes from HKG were Taichung 650, Tainan 710, Taichung 720, Minhsiung 750, Taichung 770, Tainan VOFC/BCC 890, Taichung 909, Chung Hsing 970, Taichung (Chun Chung) 1290, Fu Hsing 1310, Kaohsiung (Cheng Kung) 1400, Taipei (Kung Chung) on 1440, BCC2 Kaohsiung strong days. ICRT (successor to AFNT) from Taipei on 1550 was noted with nx 1013 but QRM from Rushan 1548. The 1570 relay at Taichung had 'community notice board' at 0900. Both receptions from Hong Kong, but the two stations were heard as far north as Shanghai, with 1550 stronger.

So to HONG KONG itself. Locals are as per WRTVH but BFBS was still on 1250 rather than 1251. Guangdong 648 & 1062 are semi-locals. Macao 735 is poor due co-channel QRM from Guangdong, 900 is squeezed between Guangdong 897 and 901, while 1200 has never been heard. Kaohsiung 1450 is the loudest Taiwanese days.

To be concluded..... BC

④ BROADCAST TRAIL

575	TIRN	Costa Rica	fair	0445	<u>BCr</u>
650	KORL	new format	10's as	K65 "	
690	KHEY	The Mighty	690	very good	
			at 0800	8/10	<u>TY</u>
780	KCRL	ending SS	program	0659	
		In EE	from	0700	<u>BCc</u>
830	R. Huancavilca,	Guayaquil	good		
		at 0720	19/10.	ex 605 ?	<u>TY</u>
840	R. Nacional,	Panama	ex k. Libertad		
		fair to good	over	WHAS 0840	19/D
860	XEUN	tentative	with	classical	mx
		at 1110			<u>JA</u>
880	KRVN	very good	1115		<u>JA</u>
930	CJCA	and KHJ	mixed	1124	<u>JA</u>
940	KFRE	first to fade	in daily		
		around	0345-0400		<u>BCr</u>
		KFRE with	Agri. NX	1229	<u>DF</u>
940	Jornal do Brasil	ex over	Todelar		<u>BCr</u>
		at 0458.			
990	CBW	good over	KHVH	1214	<u>JA</u>
1020	KCBQ	'the AM-1020	KCBQ'	strong	
		over	KTNQ	1217	<u>JA</u>
1030	KCTA	NBC NX,	local	NX ID's	as
		KC News.	0103		
	KTWO	local news	0103		<u>DF</u>
1040	WHO	well over	KPOI	1135	<u>JA</u>
1098	WSZO	Marshall Is.	over	3ZB	<u>BCr</u>
1130	CKWX	country	mx	0752	<u>BCr</u>
1150	CKIQ	advert and	ID	1310	<u>JA</u>
1180	VOA	Marathon	SS	s/on	1128
1210	KGYN	C&W	fair	1155	<u>JA</u>
1220	XEB	advert's	0525		<u>BCc</u>
	R. Globo	ex in	PP	nightly	0432
1250	R. Capital	0751			<u>BCr</u>
1280	KJOY	atop the	mixture	1254	<u>JA</u>
1370	Mexican	mixing	KEEN	1240	<u>JA</u>
1380	WAOK	Atlanta,	Georgia	0850	<u>DF</u>
1386	2EA	Sydney in	Greek	0906	
		5kw	here	now	ex 801
					<u>DF</u>
1400	KRE	very good	0627		<u>BCc</u>
1433	Unid Latin	with	kanchera	music	
		Sounds	Mexican	05-06	<u>BCr</u>
940	R. Reloj,	Cuban	minute	man	
		fair over	KFRE	0650	19/10
					<u>TY</u>
1060	XNMB	Futura	1D	& Anthem	0500
1070	LR1,	El Mundo	mixed	KNX	0759
					<u>BCr</u>

Credits: BCr Bryan Clark, Rarotonga.
BCc Bryan Clark, Coromandel East Coast.
DF Duncan Fraser. JA John Allchin.
TY Ray Crawford & Bob Dunstone.

BEST OF THE MONTH

SENIOR: Ray Crawford, Invercargill with LR5 Radio Excelsior, Buenos Aires, Argentina. 910kHz. 5kw. 150 points.

FCC OPENS DOOR TO NEW AM STATIONS

⑤

The Federal Communications Commission has voted to drop the special class of "clear channel" radio stations, making way for up to 125 new AM stations, many of which will be tagged with minority ownership. The commission action, culminating a proposal set in motion in 1978, is expected to touch off a wave of 2000 or more applications for the new stations, as well as possible last-ditch legal action to block the move.

Space for the new stations was created by limiting the nighttime interference protection provided to America's most powerful AM stations. The ruling would limit the wide area of broadcast coverage by the clear channel stations to 750 miles in any direction.

There are now 25 Class 1-A clear channel stations in the USA. Established in the days when large areas of the nation did not receive local radio service, the Class 1-A stations are the only ones allowed to broadcast with the maximum 50 000 watts of power at night time in all directions.

The FCC said it had determined that the signals of such stations could be picked up reliably - more than 50% of the time-- up to 750 miles from the station. It then amended its rules to protect that service area from interference. New stations that would be sufficiently distant from existing clear channel stations or that could use directional antennas to broadcast at night without intruding on that protected area, should be allowed to operate, the commission said. While generally ignored in public debate - which focused in part on the fears of "Grand Ole Opry" fans who were afraid they would be unable to tune in Nashville station WSM - the main spur behind the commission's action was a pending change in international rules.

Under that change, if a radio station is not operating or at least authorised to operate by the end of 1982, it will not be entitled to protection from interference by stations in other countries. Thus if the USA does not move now to make better use of these frequencies, they could be lost forever to Canada. WSM, which has broadcast the "Grand Ole Opry" to 34 states and Canada since 1925, is considering taking legal action to prevent the commission's action.

The FCC said it would stress two goals in picking from competing applicants for new stations: increasing the number of minority owned stations and granting service to areas without local nighttime stations by allowing new ones or giving daytime-only stations the right to extend their hours.

NRG

BROADCAST DX... DXers WORLD TOUR PART 3 correcting typos in the article on page 7 of October DX Times. Syria frequency is 666 not 566. Peking local frequency is 1026 not 1036. Hangzhou local is on 810 not 830. Guangzhou- delete 1201.

DENE LYNNEBERG, Wellington, reports logs of 3KZ, 4XA, 3YW, 2XF, 3DB, 2EA. Veries in from 3iW, 2XF, 3DB, 3KZ, 2EH, KRVN, KUDE, HJLJ 1500, YSMR R.Tiempo 1380.

JOHN ALLCHIN, Auckland, only one in from KTAC 850.

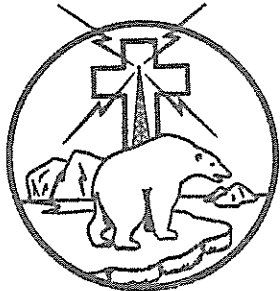
Station 7HT advises that they are now using a Collins 5kw transmitter ex the 2kw one. This started in August 1980. 7HT technician is Peter Cox.

tnx Andrew Booth.

WIVIAN van DYK, Auckland, at present in the UK has report of a large list of stations reported. BBC stations on 1089, 909, 1188, 200, 720, 648, 882, 1485, 1116, 774, 1584, 1503, 999, 1035, Private stations logged include Trent 999, London 1152, Plymouth Sound 1152, Victory 1170, R. 210 1431, Capital 1548, Hallam 1548, University 999, Germany 155, France 164, Saarlouis 182, Germany 263, Holland 1008, France 1377, Luxembourg 1440. Some US logs expected next month.

VERIE NEWS; KTAC 850 confirmed with letter from TIM FOZER, Assistant CE. Also sent car stickers.

KAAP-1400 letter verie from WILLIAM F. WALLACE, GM, also enclosed sticker, coverage map and station profile. KNIX-1580 letter from JIM WEST along with folders, maps stickers and promised QSL card when printed. TNX John Allchin.



KICY 850kHz

STATION NEWS

CHINA: The Shandong People's Broadcasting station in Jinan operates on 594, 918 and 1548, 2055-0030, 0240-0630 and 0845-1530.

The Heilongjiang PBS in Harbin reported that the Daqing PBS went into operation on 1080 on 25/4/80.

TAIWAN: The BCC, Voice of Free China broadcasts to the Mainland of China in standard Chinese on 750, 900 and 1100 and 1200 from 2045-0100; 900 and 1200 from 0100-0345; 750, 900, 1100 and 1200 from 0345-0700; 750, 900 and 1100 from 0700-1000, 1045-1600; 750, 900, 1100 and 1200 from 1600-1900. (No mention of the transmission on 600 that is heard here best of all the frequencies used) There is 10 minutes foreign and domestic news on the hour, 5 minutes news summaries on the half hour except 1430, 1530 and 1630.

IRAN: Regional stations Abadan 1080 and Bandar-e Lengeh carry the Voice of the Islamic Republic of Iran domestic service in Persian and external service in Arabic only. No locally produced programs heard at present. Ahvaz on 1386 and 1125 carry local programs in Persian, relays from Tehran of the National domestic service and 1386 only the external Arabic service.

YUGOSLAVIA: Skopje on 810 with 1000kW is now 24 hours.

VENEZUELA: Radio Nacional on 630, 1050 and 6170 shortwave, not noted recently and is believed to have closed due to lack of funds.

BBC-MS

TIGER RADIO WTMP - 1150 On Your Dial

STATION NEWS

SAUDI ARABIA: New stations were to start operation on January 8. 648kHz 0300-1300 and on 1512 from 1300-2300 carrying the Domestic service. The Qur'an program on 648 from 1300-2100 and on 1512 from 0300-0500.

BBC-MS

ST. LUCIA: Radio Caribbean International on 840 facilities were badly damaged in Hurricane David and the station is reported off the air and likely to remain so for months rather than weeks as previously reported.

MWN

U S S R: External services from Dushanbe are reported on 1143kHz in Dari from 0200-0300, 1230-1300. 1400-1430 and 1730-1800. In Persian 1530-1600 and 1800-1830.

BBC-MS

From the Australian Broadcasting Tribunal Annual Report for 1978-79 and just released in December 1979 comes the information that of 124 commercial stations on air, 19 made a loss. This is the same figure as the year before. There were six in metropolitan areas and 13 country stations.

The Emerald Broadcasting Company have not proceeded with its commercial station at Emerald, Queensland, although a licence was granted on 22 December 1977.

There were 53 stations operating 24 hours and this number has been increased over recent months.

tnx David Riquish

SRI LANKA: New station went into operation on 594 known as Ruhunu Sevaya. TWR Puttalam on 882 ex 890 Bengali 1600-1630, Hindi 1630-1730.

BBC-MS

Alok Das Gupta

AFGHANISTAN: Domestic Service observed on 657 // 648, 864, 909, 1278.

BBC-MS

CHINA: Foreign Service of Radio Peking; 719 0930-1530 JJ // 1044, 819 2130-2200 JJ, 918 0930-1530 JJ, 1018 1100-1500 KK, 1188 1130-1200 Thai, 1206 1500-1600 Bengali, 1600-1800 Hindi, 1314 1200-1300 Mongolian, 1296 1130-1200 & 1230-1300 Vietnamese, 1200-1230 Cambodian, 1330-1430 Thai, 1430-1530 Laotian, 1320 1130-1230 Tagalog, 1300-1400 Vietnamese, 1430-1500 Tagalog.

DX-Time via Radio Australia.

SAUDI ARABIA: 648 Jeddah now in full operation. 0400-2200, ditto 1512. 1521 Luba Domestic service 1500-2400.

NRC

SOUTH YEMEN: 400kW txer inaugurated 23/11. This must be 1188.

NRC

FROM THE BRANCHES

AUCKLAND: The highlight of the October meeting attended by 20 members, was a talk by John Allchin and Mark Nicholls

on medium wave DXing. This included a demonstration of the use of the loop and recording North American stations. Regretably both Mark and John are leaving Auckland in the near future which will be a loss to the Branch. COMPETITIONS: SW over 9 - Jim Gorman Norway 25730, Under 9 - Douglas Doull Andorra 6220 Novice SW - Shirley Jamieson Austria 12015. MW - John Allchin KTAC 850 10kW. NEXT MEETING: 30 November, NZART Clubrooms, 3000 Gt. North Rd. New Lynn. Enquiries - Jim Gorman Tel. 2985534.

NORTH OTAGO: At the AGM in September the following officers were elected: President - Graham Tee, Vice-Pres. - Peter Grenfell, Sec/Treas. Richard Kitto, Asst. Secy. Ito Tsukigawa, Dial News - Paul Ramsay, P.R.O. - Ted Sutton. Though there was a small attendance at the October meeting activities for the year were discussed and plans made to visit both the local radio station - Waitaki 4 ZW and the local Post Office transmitting station and toll room. It is hoped these will help boost membership. The Branch hosted the League AGM and was pleased to welcome Keith Barton of the Southern Cross DX Club.

SOUTHLAND: Sixteen members attended the October meeting to hear a report on the League AGM from Arthur Cushen and to discuss future meeting. The November Meeting will be a 7.30 pm on Tues. 18 November at Steven Greenyer's, 17 Totara St. and the Christmas meeting at Paul Aronsen's on Sat. 13 December. Keith Barton, Southern Cross DX Club gave a talk on his work and showed slides of Conventions he has attended in Australia and New Zealand. COMPETITIONS: B.O.M. Ray Crawford LRS R. Excelsior Argentina 910 5kW. Rest of World Arthur Cushen Malta 1557 600kW. SW under 9 - E. McIntosh Andorra 6220, Over 9 - S. Larsen Sofia Bulgaria 11950.

WELLINGTON: Six members attended the October meeting at Bob Connor's. There was some discussion on receivers becoming available and a report on the AGM of the League was received. COMPETITIONS: SW under 9 David McNabb R. Mediterranean 5960. NEXT MEETING: Weather permitting, the next meeting will be an Open Day from 10 am to 4 pm at the Western Suburbs Citizens' Advice Bureau, 31 Parkvale Rd. Karori. A separate notice will be sent to every known League member in the Greater Wellington area and it is hoped there will be a reasonable turn-out. One of the main purposes of the exercise is to stimulate interest in the Branch.

chips

Frank Crow, Los Angeles, has commented on an item under this heading which appeared in the August 'Times'. - This concept is not a new thing in radio receivers. Collins has had on the market for some years a military/industrial type SW receiver in which the decade

switches did the job the keyboard does in the Sony and the newer Panasonic. Heath Coy. (makers of Heathkits) introduced a keyboard tuned FM-Stereo tuner for the 88-108 FM B'cast band in the late 1960s. The microprocessor chip for that one has been available to experimenters from RCA at a low price since about 1974. The transistor was invented at Bell Telephone Laboratories while he was a student studying electrical engineering at which time all they knew were tubes and box chassis. Now the better engineering schools offer a course in the 4th year in which the student designs on of these micro-circuits on the computer and then manufactures the 'chip' as part of the lab. in the course. He goes on to say that only 32 years have passed since the invention of the transistor and that what Sony has done is to use this newer ability to 'tailor make' an integrated circuit to design requirements of a single engineer, and as such has applied the world of LSI - Large Scale Integration - to SW receiver design.

As for obsolescence, he cannot see that except in the sense that the old has been superseded chronologically by the new, thus offering the buyer one more choice than he had before. Thirty years after the invention of the transistor it still overloads on strong signals, particularly here in the Wilshire district

(Continued on Page 8)

of Los Angeles where he lives less than 5 miles from the antennas of two 50000 watt transmitters that are often heard in NZ - KDAY and KABC. A tube type pre-selector is required to eliminate the cross-modulation from these two power-houses so that he can use his fancy transistor receiver with the ICs and the digital LED display etc. His 5-tube Zenith Transoceanic from about 1952 does not suffer from this problem.

Frank also comments that as for servicing and/or modifications, the serviceman and the experimenter simply have to do their homework to keep from being left behind - or they will be left behind. He himself has made the transition from tube to transistor and now is learning the digital methods and he says he would have very little sympathy with the serviceman or serious experimenter who got left out because he failed to do so. He concludes that he is not discouraged that the manufacturer of his receiver missed the first time. For the money he did a good job. Frank has studied the circuit/package combo carefully with the idea of creating his own to do the things he wants which no one else will find profitable to build. When he does so he will pay more attention to the desired signal getting through while adding things such as micro-processor tuning to the design. He concludes that he doesn't like the operretenkonzert from the QRF mixed up with some jazzed up DJ from one of the local powerhouses.

Thanks Frank - have taken some small liberties with your text - would be interested to hear the results of your experiments in time - and by the way was it Mr. Duck or Mr. Mouse who eventually won the election? FD.

BBCMS

An event which has previously gone un-noted in this publication was the FORTIETH ANNIVERSARY, in 1979 of the BBC Monitoring Service. The BBCMS is a place where broadcasts from Europe, the Middle East, Africa and world wide are monitored daily by teams of skilled liquists and the contents reported and used as a basis of news reports everywhere. It also replaces the former BBC Receiving Station at Tatsfield and serves as the engineering base where technical measurements are made of all BBC audible transmissions and other technical monitoring is done.

Included among the departments is the 'World Schedules Section which has the function of keeping up-to-date all the schedules likely to be needed and the reporting of technical developments world-wide. It is this section which produces the weekly periodical 'World Broadcasting Information' which is available on a subscription basis to individuals and DX Clubs.

Belatedly - the NZ DX Times wishes the BBCMS many happy returns.



is invaluable both to the dedicated Dyer and to the keen SWL. The following items have been taken from the WRTH-NL - Aug.1980. DX News from WRTH will continue to be aired on World Music Radio, Andorra, each Sunday and there will also be contributions included in RN'Juke Box. Some DX Pgme. News - Austrian SW Panorama - English on Sun 0900, 1235 & 1805. A monthly report on African DX news from Radio RSA, 1st Sat at 2135, repeated Sun 0235, Tues 1115, Thurs in 1300-1400 transmission. English DX pgme of AWR Europe now carried on Andorra 15030 in parallel Sines 9670.

Elsewhere in this issue we will be carrying an Order Form for 'WRTH 1981'. To those of our members who are not familiar with this publication we cannot recommend it too highly - it

FOR SALE: Medium Wave Loop - to DX Times specifications - \$15 (Cost of materials) Worcester Electronics SM-2 de Luxe Magnet Ferrite Loop - \$155 (Cost of import 1980) Reason for sale - moved too close to NZED HT Lines. Write - Box 11-601, Manners St. Wellington 1.

Vertical text on the right side of the page, including a large '18 BT' stamp and mirrored text from the reverse side of the paper. The text is oriented vertically and appears to be bleed-through from the back of the page.

WORLD RADIO AND TELEVISION HANDBOOK 1981

A COMPLETE DIRECTORY OF INTERNATIONAL RADIO AND TELEVISION STATIONS

Details from the WRH Newsletter... Revised Contents... 35th Edition.

"The Handbook is being typeset and printed in the USA. The entire text is being re-set for the first time in 5 years. The opportunity is being taken to revise the format and layout of some sections.

As the 'Listen to the World' feature is so popular, the following Articles are included in the 1981 edition of WRH.

- Test reports on portable SW receivers by Larry Magne (a follow-up to last year's highly acclaimed survey of Table Model Receivers).
- In-depth survey of the Handicapped Aid Programme worldwide, including articles by handicapped listener, Arthur Cushen, as our contribution to the International Year of the Disabled.
- 'DX-ing in the Third World' by Victor Goonetilleke, UADX.
- 'DX-ing in China' by Michael Willis. "

Copies by AIR FREIGHT expected late February. Handbook covers nearly 600 pages and the offer for AIRMAIL copies of the Handbook closes on FEBRUARY 28, 1981. Price includes postage and packing in special postal container.

New Zealand

\$18

SEAMAIL copies expected by container shipment in late April (retail price \$20.00) Supplied only to booksellers, but some stock could be available.

AUSTRALIAN AND SOUTH PACIFIC CUSTOMERS. Your copies will be airmailed from Denmark direct to your home at the price of \$17 Australian currency. Payment should be made to Invercargill by Australian Money Order or Australian Bank Notes. Note. Price quoted is Australian currency. This offer closes on January 15, 1981.

THE WORLD IN MY EARS... Arthur Cushen's autobiography and introduction to the shortwave listening hobby. 204 pages, case bound, hard cover, over 100 illustrations, praised world wide and now sold in over 50 countries... Price \$14.95 New Zealand... \$15.95 Australian currency on request to 212 Earn Street, Invercargill.

is in for his
vik 12175,
AWA Andorra
Ryan.

reports little
in Capital

has an
on RIAS
Peking 15120
O, Singapore
Mediterranean,
L Torbes with
9765.

has one verie
980, best wishes
pe to hear

North has 4
back from
ashkent 15460
an 5960, Thanks

thinks the post-
with 120
back from KTW
ra 6215,
n 6050.

is first out
from ORF 15440
7775, Prague
020, Kuwait
26020, WYFR
7135, RRG165
the trans-
items Graeme
Madagascar

luma of John Alchin, I find myself on the working
the first time. I'll be pleased to receive notes and
s but would give a special welcome to the more
interest this month will be from the low powered
SI Berlin with the claimed second report only from
high frequency of RN Madagascar. Now to open my

Mailbag

Brian Webb Upper Hutt has been very
active with 16 reports out and veries
back from Kuwait 15345, IBRA 21675,
Tirana 9750, BBC W/S 3955, Geneva
7210, AWA Andorra 6220, REE 11925,
KTWR 15135, 15230, 17770, Prague
9605, DW 6075 9590 11785 15405
21600, Peking 9880 11695 15230,
Sweden 9695 11705, RN Madagascar
11730, RN Lopik 11720, RNZ 11675,
Moscow 11630, 11715, AWR Sines 9745.

Jin Gorman Auckland Has QSL's in
from RM Frunze 15435, RAI 21560,
15350, HCJB 17790 15200, NHK 11940,
Norway 25730, REE 9765, Fujian Front
5170, Lebanon 6550.

Leigh Morris Palmerston North has a
few very nice veries back from
Iceland 12175, Andorra 6225,
SBC-Singapore 15200, Nigeria 4990,
Turkish Police Radio 6340.

John Durham Hamilton has QSL's back
from TGMUA 5980, Kaduna 4770, RSA
3230, ERT 9650, RBI 7260, Dubai
17775, Vanuatu 7260, Warsaw 9525
15125, TWR Monaco 9495, REE 15125,
Gonakry 9650, Sao Paulo 6165, Capital
Radio 4980, S.Music Radio 4980.

Jack Searle Haumoana has veries back
from Kiev 11880, AIR 15110, Sierra
Leone 5980, RM Frunze 15535. Kiev
11770 Thanks Jack.

Arthur De Maine has two veries
back from Dubai 21700, Peking
11455. I think we'll have to have a
night at Red Beach.

from BILL HUDDLESTON of Auckland.

Welcome, Bill, and thanks for filling
this gap in the Editorial ranks.

WORLD RADIO AND TELEVISION HANDBOOK 1981

A COMPLETE DIRECTORY OF INTERNATIONAL RADIO AND TELEVISION STATIONS

Details from the WRH Newsletter... Revised Contents... 35th Edition.

"The Handbook is being typeset and printed in the USA. The entire text is being re-set for the first time in 5 years. The opportunity is being taken to revise the format and layout of some sections.

As the 'Listen to the World' feature is so popular, the following Articles are included in the 1981 edition of WRH.

- Test reports on portable SW receivers by Larry Magne (a follow-up to last year's highly acclaimed survey of Table Model Receivers).
- In-depth survey of the Handicapped Aid Programme worldwide, including articles by handicapped listener, Arthur Cushen, as our contribution to the International Year of the Disabled.

Shortwave Mailbag

from BILL HUDDLESTON of Auckland. ⁹
Welcome, Bill, and thanks for filling this gap in the Editorial ranks.

After the well edited columns of John Allchin, I find myself on the working side of the magazine for the first time. I'll be pleased to receive notes and comments from any member's but would give a special welcome to the more recent DXer's. Items of interest this month will be from the low powered Turkish Police Radio, RASI Berlin with the claimed second report only from New Zealand, and the new high frequency of RN Madagascar. Now to open my first Mailbag.

Graeme Pearce Masterton is first out of the bag with veries from ORF 15440 15560 9770, RCTV Lubai 17775, Prague 21705, Solomon Islands 5020, Kuwait 21545, HCJB 17825 17765 26020, WYFR 15185, Budapest 9835, DW 7135, RN6165 9590 25650. try to give the transmitters of the last two items Graeme as I expect one would be Madagascar relay.

Peter Jones Hamilton thinks the post-girl has missed him out, with 120 reports out, and veries back from KTWR 17770, Peking 6995, Andorra 6215, Bandeirantes 6185, Ibadan 6050.

Paul Schnell Palmerston North has 4 reports away and veries back from REE 11880, Kiev 15405, Tashkent 15460 RAI 21560, R Mediterranean 5960, Thanks

John Allchin Auckland has one verie back from Sierra Leone 5980, best wishes with your exams John, hope to hear from you again soon.

Cecil Symmes Wellington has an interesting one back from RIAS Berlin 6005, along with Peking 15120 RN Madagascar 21480 25650, Singapore 11940, Israel 11640, R. Mediterranean, ORU 15175 26050, Ecos del Torbes with Pennant frequency ? REE 9765.

Paul Rawdon Eastbourne reports little action with one veri from Capital Radio 3950.

Bryan Clark Auckland is in for his 206th country with Reykavik 12175, along with Ibadan 6050, AWA Andorra 6220, WYFR 21615 thaks Bryan.

Brian Webb Upper Hutt has been very active with 16 reports out and veries back from Kuwait 15345, IBRA 21675, Tirana 9750, BBC W/3 3955, Geneva 7210, AWA Andorra 6220, REE 11925, KTWR 15135, 15230, 17770, Prague 9605, DW 6075 9590 11785 15405 21600, Peking 9880 11695 15230, Sweden 9695 11705, RN Madagascar 11730, RN Lopik 11720, RNZ 11675, Moscow 11630, 11715, AWR Sines 9745.

Jim Gorman Auckland Has QSL's in from RM Frunze 15435, RAI 21560, 15350, HCJB 17790 15200, NHK 11940, Norway 25730, REE 9765, Fujian Front 5170, Lebanon 6550.

Leigh Morris Palmerston North has a few very nice veries back from Iceland 12175, Andorra 6225, SBC-Singapore 15200, Nigeria 4990, Turkish Police Radio 6340.

John Durham Hamilton has QSL's back from TGMUA 5980, Kaduna 4770, RSA 3230, ERT 9650, RBI 7260, Dubai 17775, Vanuatu 7260, Warsaw 9525 15125, TWR Monaco 9495, REE 15125, Gonakry 9650, Sao Paulo 6165, Capital Radio 4980, S.Music Radio 4980.

Jack Searle Haumoana has veries back from Kiev 11880, AIR 15110, Sierra Leone 5980, RM Frunze 15535, Kiev 11770 Thanks Jack.

Arthur De Maine has two veries back from Dubai 21700, Peking 11455. I think we'll have to have a night at Red Beach.

Shortwave Mailbag

Maxwell Burke Christchurch has a long list of veries from RAI 15330, Albania 6200, 7300, Israel 21710, RBI 7260, SRI 15305, R Polonia 11815, TWR Monaco 9495, Peace & Progress 17775, Hungary 17710, Moscow 21490, AFRTS 11805 15430 6030 21570, HCJB 6130 11900, KBS 9570, KTWR 11840, Milne Bay 3360, Pt Moresby 3925
Thanks Maxwell keep up the good work.

Dene Lynneberg Wellington has QSL's back from KTWR 11840, KBS 7275, CPBS 5860 5880 6750 12200, Fuzhou PLA 7850, Warsaw 6095, RM Tula 12000 12030, Budapest 17785, R.Bras 15280, HCER 5. 3985, Guyana 5950, Luz y Vida 4831, Turkish Police Radio 6340.

David Munn Hamilton has a short list of veries logged at the Convention, VORE 9560, Mendoza 6180, La Vos De Guatemala 6180 + 50 years pennant, very nice.

Arthur Cushen Invercargill has verified KTWR 17770, Pakistan 21755, NHK Sines 15130, Belgium (BRT) 21740, Dubai 21485, R.Limon (Casino) 5954, Paris 21515, Israel 15582 21710, R.Nac Boa Vista 4835, Radio 5 RSA 3250, R.Andorra 6220, R.F.Popular 3985, Veritas 15215 11775.

Ian Cattermole Blenheim has verified RN 6020, Moscow 21690 9785 15210, Dubai 17775 217000, Kiev 17820 11790 9800, Warsaw 9525, WYFR 17845, Tallinn 6085, Vienna 15200 VOFC 7130, 11860, BBC 7120, KTWR 17705, Vatican 17840 IBA 15584 21710, Tropical 4935, Splendid 9740, El Mundo 15290 11755, Rivadavia 5882, Turkish Police 6340 after 13 month, but woth waiting for Ian.



Oy YLEISRADIO Ab
The Finnish Broadcasting Company Ltd.
HELSINKI FINLAND

BEST OF THE MONTH

Under 9 MHz

Turkish Police Radio
6340 Khz. 350watts 122 Points

Leigh Morris Palmerston North

Over 9 Mhz

RN Madagascar relay
25650 Khz 300KW 107 Points

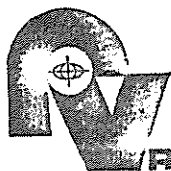
Cecil Symmes Wellington.

Bill Jolly Kawerau says he's doing more listening than logging, with 2 reports out, saving postage Bill.

John Mainland Wellington has QSL's back from YVTC 3225, TWR Monaco 7250, Windhoek 3270, Madagascar 3288, Havana via USSR 11705.

Lindsay Robinson Invercargill has one out this month, and veries in from R. Nac. Espejo 4680, Nacional Buenos diros 6060, Jerusalem 15582.

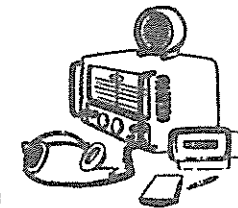
Alan Gilmoner has 4 reports out with verifications back Lisbon 15125 11925 9575, Bucharest 5990, LRA 32 9690, Budapest 17710 Warsaw 7270, 6135 11815 9525, Dubai 21700 17775, BRT 15175, Kol Israel 11637 21710, YLE Helsinki 15400, RN. Madagascar 25650 Norway 9610 RAI 7275, ERT 9650, 9515, ORF 21640, a nice list there Alan very well set out.



RADIOVATICANA
00120 città du vatican

SHORTWAVE BANDWATCH

with BARRY WILLIAMS of Auckland



This month most activity seems to be on the higher frequencies, particularly 13 and 11 metres were some interesting loggings have been made. Several contributors have commented that they heard no sign of the Radio Condor special. Neither did we. A logging of interest this month is "The Voice of Clipperton" heard on 21749.5 khz by Bryan Clark. With this issue we say farewell to a regular contributor over recent months. Duncan Fraser is being transferred to England for 3 years. We thank you Duncan for your past contributions and perhaps you may let us know what is happening on the DX scene in Britain. You should still be able to get amongst the Latins over there.

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

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
1720	0901	AUSTRALIA	V12UV	// with 1750 khz but with a better signal	JS
2450	1035	PAFUA NEW GUINEA	Western Highlands	Poor with Stat.ID	Pidgin US
2468	1050	PAFUA NEW GUINEA	Northern Districts	Fair in Pidgin	CS
3240	1710	IRAQ	Bagdad	Poor in Arabic. Martial music	Iran mentioned CS
3245	1215	PAFUA NEW GUINEA	R.Gulf	Fair with pop music	Pidgin MB
3275	1050	PAFUA NEW GUINEA	Southern Highlands	English Stat.ID 1100	CS
3360	1745	CHINA	Peking	Fair Chinese. Stat.ID and commentary	CS
3360	1045	PAFUA NEW GUINEA	Milne Bay	English, Popular music	MB
3925	1250	PAFUA NEW GUINEA	Port Moresby	Eng. Disk Jockey	Fair sig. US
3985	1755	SWITZERLAND	SRI	Fair in German	ID CS

4120	1400	KOREA NORTH	"Voice of the Korean Revolution"	30 minute program in English. Propaganda. Heard most nights.	MB
------	------	-------------	----------------------------------	--	----

4785	1920	TANZANIA	Dar es Salaam	Fair with Afro music	CS
4810	0705	UNIDENTIFIED		Spasmodic intrumental music. Sometimes very loud. Sounded like equipent test. Heard 1/11	DM
4815	0604	BRAZIL	Radio Nac. de Tabatinga	Good sig in Portuguese. Listed as inactive in WRHB.	DM FC
4950	1455	MALAYSIA	Sarawak	News in English 1500.	FC
4965	0507	NAMIBIA	SWABC	Africaans news heard under Santa Fe. BC Cook Is. Frequency in mornings now blocked by teletype. (I maintain it is jammed - Ed.)	BC
4980	1715	AZAD KASHMIR	Azad Kashmir Radio	Good over Chinese. News relayed from Islamabad 1745. Local anthem at s/off 1807.	BC
4980	1845	SWAZILAND	Music Radio	English Gospel. heard till after 2000	AC
5015	1110	USSR	Vladivostok	Home service, Russian.	FC
5055	0358	SWAZILAND	TWR	Manzini, s/on as Costa Rica s/off. BC in Cooks	

5950	0600	NICARAGUA	Voz de Nicaragua	regularly good with closing annes in Spanish. First heard after 0500. Address given as Apartado 244, Managua. Have heard listeners letters read out. New international Service.	DM CS OC DF BC
------	------	-----------	------------------	---	----------------

5980	1140	TAIWAN	"Voice of Asia"	Good in English. Pop.music	DF
6005	0615	GERMAN FED.REP.	RIAS Berlin	Poor news in German.	CS
6055	0920	JAPAN	NSB	Poor with English lessons.	CS
6060	0845	ARGENTINA	R.Nacional	Very good Spanish	DF JS CS
6080	0930	CHILE	R.Patagonia	s/on with music and ID in Spanish and Eng. Now s/on 1030 as Chile on Summer time since Oct.11th.	DL AC TK
6090	0600	LUXEMBOURG	R.Luxembourg	Sunday in Eng. Religious, AWR?	JS

12

TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
6100	1000	CHILE	R.Calana , good at s/on ."Calling all Workers" theme	TK
6110	1800	PHILIPPINES	, VOA . Poor . News in Special English .	CS
6120	0850	ARGENTINA	R.El Mundo , Fair Spanish . Time signal 0900	CS
6135	1000	CHILE	R.Universidad de Concepcion , strong s/on .EE announces 1002 asking for reports .	TK
6135	1030	KOREA SOUTH	, Seoul , English lessons 1030 - 1100 .	TK
6150	1000	CHILE	R.Nacional on top .	TK
6155	1000	JAPAN	FEN , Fair with English news ; Fair 0800	CS OC
6165	0935	KOREA SOUTH	, R.Korea , Fair with Spanish transmission	CS
6180	1035	CYPRUS	BBC relay , Fair in English .	CS
6190	0549	VATICAN	Vatican R. Opens English . VG level .	JS
6250	0502	EQUATORIAL GUINEA	, Malabo , excellent with opening anthem then into chanting . Held till after 0530 .	BC Cook Is.
6383	1222	MONGOLIA	Ulan Bator , Good ,English s/on . 9/10 exceptional conditions .	JS
7150	0455	USSR	R.Moscow , English World Service . // 7240 khz .	CS
7270	0652	POLAND	R.Polonia , English . Request Session Rock .	CS
7275	1040	KOREA SOUTH	, Poor in English .	CS
7345	0258	CZECHOSLOVAKIA	, Prague , IS then opens 0300 to WC NA .	FC
9022	2000	IRAN	R.Iran , English with fair reception .	ME
9495	0625	MONACO	TWR , English , Religious , Fair signal	CS
9520	0230	PAPUA NEW GUINEA	Port Moresby , News and music	ATC
9530	0735	USA	VOA , Tuning signal then s/on with special broadcast for Nigerian Broadcasting System with reports on the Nigerian President's visit to the US in Hausa ,French & English . Good	DF
9540	1200	UZBEKISTAN	R.Tashkent , Fair with news .	JG
9550	0458	USSR	R.Moscow World Service , English . Good signal	CS
9560	0913	BONAIRE	TWR " R.Trans Mundial " .Good Religious , Port.	JG
9545	1100	SOLOMON IS.	English news ,moved from 5020 khz .	AC
9570	0410	Rumania	R.Bucharest , Eng.commentary . Fair due to het.	DF
9570	1000	KOREA SOUTH	, R.Korea , Good in English .	JS
9575	0525	GREECE	, Salonika regional , VG with Greek music .	ME
9585	0157	SOUTH AFRICA	,RSA , IS opens transmission 0200 to NA // 11900	FC
9590	0220	NORWAY	, Oslo , Fair in English .	CS
9590	0003	CANADA	,BBC relay , World Service .	AC
9645	1058	COSTA RICA	, Faro del Caribe , Anthem ,opens transmission 1100	FC
9670	2029	PORTUGAL	R.Trans Europe , IBRA Radio Eng.ID only , fair	PP
9685	1905	USSR	,R.Moscow World Service , Poor with English news .	CS
9700	0830	USA	, AFRTS , News and Sports good on USB .	JG
9705	0500	USA	, WYFR , Religious talk and music .	JG
9710	0425	ITALY	,RAI , Fair with English news .	CS
9720	1240	SRI LANKA	ALBC , English , religious & pop music , Fair	ME
9765	0506	PORTUGAL	, Lisbon , Good with news in English .	JG
9800	0502	USSR	, R.Moscow , news then 'People and Events '	JG
9805	2215	EGYPT	,R.Cairo , fair , information and music .	ME
9815	2018	ISRAEL	,IBA , Religious ?	PP
9835	2025	HUNGARY	Budapest , Good at s/off . 2000 Good English	GP
11610	2015	ISRAEL	IBA , " Calling All Listeners " Good signal .	PP
11620	2015	INDIA	AIR , English , Fair , news 2100	CS
11630	2130	USSR	R.Moscow , Good with music and commentary	ME
11637	0200	ISRAEL	IBA , Fair with English news ; 0020 Good English ,	CS
11745	0100	BONAIRE	TWR , English to Far East closing 0135	AC
11750	1800	MONACO	TWR , Gospel in Russian over BBC , Off 1825 .	AC
11750	0430	BULGARIA	R.Sofia , Regular in English , fair ; QRM BBC .	JS
11760	2115	GREECE	VOA , Good English , German election results	ME
11765	0440	GERMAN	FED.REP. DW , English to Africa , News , poor	CS
11770	1000	USSR	R.Moscow , News ,English . propaganda	JG
11790	0450	USA	VOA Bethany , Poor with Sports news , English	CS

13

FREQ	TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
11835	1100	SRI LANKA	BMI ,	Poor copy with RCI Digest .	OC
11875	1000	JAPAN	NHK ,	News and music .	ATC
11880	1040	ARGENTINA	, R.Splendid ,	Good music , Weather 1100	DF
11885	1130	TURKEY	, V.of Turkey ,	English , Easy copy .	JS
11900	1027	ECUADOR	, HCJB ,	English ." Sounds of Joy "	CS
11905	1935	GERMAN	FED.REP. DW ,	Fair English , News and commentary .	CS
11920	2135	CUBA	R.Habana ,	Fair with s/off in English .	CS
11930	0628	LIBERIA	ELWA ,	Opens in English then Arabic .	AC
11940	0700	ROMANIA	R.Bucharest ,	Musical requests .	GP
11945	1220	SPAIN	REE ,	Spanish to Americas , IDs etc .	CS
12010	0410	USSR	R.Moscow ,	DX program in English	ME
12015	2115	AUSTRIA	ORF ,	Fair reception in English .	ME
12050	0708	USSR	R.Moscow with 'Mailbag' program .		JG
12095	2300	Gt.BRITAIN	BBC ,	Fair with BBC news English .	CS
15070	0815	Gt.BRITAIN	BBC ,	Requests Sunday .	JG
15105	0500	ISRAEL	IBA ,	Good with English news and newspaper headlines	AD
15110	2100	INDIA	AIR ,	Good with news in English .	AD
15120	1020	CHINA	R.Peking ,	Musical program , English , fair .	CS
15120	0600	NIGERIA	VONigeria ,	English news . VG some evenings .	AD
15135	1740	GERMAN	FED.REP. DW ,	African Svce. English , Fair signal	CS
15135	0800	NORWAY	Oslo , R.Norway	fair with Eng. news and tourist talk.	PP
15150	1930	GERMAN	FED.REP. DW ,	English . African Svce. News and comment	PP
15175	0032	BELGIUM	Brussels ,	Fair , English Economic review .	CS
15180	2133	ECUADOR	HCJB ,	Fair English , Religious	JG
15235	1000	JAPAN	R.Japan ,	News in English .	ATC
15285	1000	INDIA	AIR ,	Good strength to NZ .	AC
15285	1245	BANGLADESH	,Dacca ,	Fair English . Pop music and information	ME
15295	0129	ECUADOR	HCJB ,	End of Portuguese to Brazil . 0130 Spanish .	FC
15305	0145	SWITZERLAND	SRI ,	Very good in English	ME
15315	0113	BONAIRE	RN ,	Dutch service to SA .	FC
15325	0320	UGANDA	Kampala ,	Good with English news .	CS
15420	2350	CYPRUS	BBC relay ,	World Service , poor under QRM	DF
15500	2157	COLOMBIA	R.Nacional ,	Strong with SS/FF lessons .SS/EE 2215	JS
15560	1805	AUSTRIA	ORF ,	Very good Monday morning with 'Shortwave Panorama'	GP
15584	0500	ISRAEL	IBA ,	Strong in English with news and weather .	AD
17685	2010	ISRAEL	IBA ,	Fair with English Science program .	PP
17775	1330	USSR	R.Peace & Progress ,	English , fair copy .	ME
17785	1030	HUNGARY	R.Budapest ,	VG English , news	ATC
17785	1915	USA	VOA Grenville ,	English news and comment , fair	CS
17785	0000	PHILIPPINES	R.Veritas ,	s/om in unidentified language . Good signal but heavy echo . English 0030 to SEAsia	DF
17795	1100	SWITZERLAND	SRI ,	Fair in English with news and commentary	JG
17795	1000	JAPAN	R.Japan ,	News English	ATC
17805	0935	USSR	,R.Moscow ,	Classical music Good signal .	ATC
17830	0830	AUSTRIA	ORF ,	Very strong with English news and views	JG
17845	0840	USSR	R.Moscow World Service ,	Poor in English , Folk music	CS
17850	1744	FRANCE	RTG ,	Fair in English , 'Spotlight on Africa '	CS
17855	1815	SWITZERLAND	SRI ,	World news after s/on .	GP
20345	0830	Gt.BRITAIN	BBC World Service ,	Fair with special USB test heard on 8/10 . // 20455 khz in DSB mode . Duncan comments DSB signal excellent ,USB signal noticeably weaker and quality slightly inferior .	DF BC
21460	0115	USA	VOA Delano ,	Good with ' Breakfast Show '	CS
21465	1755	USA	WYFR ,	, closing transmission to Europe .	AC
21485	0315	PAKISTAN	R.Pakistan ,	with program African music .ex 21590 ?	BC

TIME	COUNTRY	STATION	PROGRAM AND RECEPTION DETAILS	INITS
21515	1700	FRANCE	RFI, "Paris Calling Africa" mixed with Madrid to 1730	AC
21525	1705	BELGIUM	Brussels, English to Africa also on 6010 khz.	AC BC
21525	1030	HUNGARY	Budapest, Good with news and political comment.	JG
21530	2100	SOUTH AFRICA	RSA, ex 21535 khz. English. 1756 to Europe	AC BC
21540	0125	PHILIPPINES	VOA, Fair in English	CS
21545	0515	KUWAIT	R.Kuwait, Fair in English. Popular music.	MB
21550	0940	GT.BRITAIN	BBC, Sports news, fair in English.	CS
21600	1740	GERMAN FED.REP.	DW, African Service	GP
21630	1900	AUSTRALIA	RA, Fair in English, variety program	BC
21635	2000	ALGERIA	R.Algeria, Good signal with half hour Eng. Program	OC
21650	0700	MADAGASCAR	R.Nederlands, Testing. s/on English 20/10	OC
21690	1120	SWEDEN	R.Sweden, Very good with 'Swedish Calling DXers'	OC
21705	0830	Czechoslovakia	R.Prague, Good signal with English program. 0729 good in English.	AC JG
21720	2100	CZECHOSLOVAKIA	R.Prague, Czech. Service.	GP
21730	1200	NORWAY	R.Norway, VG with English news and features.	PP
21740	0525	USSR	R.Moscow, Fair with 'Mailbag' English.	MB

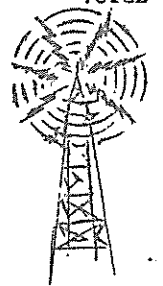
21749.5 0035 USA ? Voice of Clipperton. Hobby pirate logged 19/10. Carrier only but audio at times after 0112 till s/off 0132. Brian would appreciate an address. Can anyone oblige. B.Clark PO Box 3011, Auckland. BC

25615	2315	USA	AFRTS, Back on this freq. again. VG, 0015 Ex.	PP DF
25650	1030	GT.BRITAIN	BBC, Excellent with World Service.	CSPP DF
25730	1200	NORWAY	R.Norway, VG with English news and commentary.	PP
25650	0700	MADAGASCAR	RN, Testing. s/on with Eng. to SEAsia.	AD OC
25790	1100	SOUTH AFRICA	R.RSA, Fair with news. 1855 fair in Dutch to s/off. Fair.	ATC CS
28040	2259	USA	VOA, Good English to Africa. 2003 good signal.	PP CS

14th. March, 1980

VOICE OF REVOLUTIONARY ETHIOPIA

Our thanks to the following members who sent in contributions this month.



TK	Tony King	JS	Jack Searle	AD	Arthur DeMaine
PP	Peter Palmer	CS	Cecil Symmes	AC	Arthur Cushen
ATC	A.T. Callis		of Mt. Hagen		Papua New Guinea
MB	Maxwell Burke	OC	Owen Cullen	CP	Graeme Pearce
BC	BRYAN Clark	BC	Cook Is.	Bryan Clark	in Raratonga
JG	Jim Gorman	FC	Frank Crow		Los Angeles Cal.
DL	Dene Lynneberg	DM	Davis Munn		
DF	Duncan Fraser	good luck	Duncan	and thanks.

Peter Palmer of Dunedin writes in giving his style of SWling. Peter uses a Toshiba BCL RP 2000F which was purchased in Hong Kong for the equivalent of £ 35. 525 khz to 30 megs. in 4 bands.

It has a 1 Mhz crystal locked bandspread for major SW bands. Peter is looking at the possibility of purchasing a Sony 2001. English transmissions from European broadcaster is Peters main interest. Peter, I feel to get those stations on 90 metres you will need a better receiver and antenna, and you will also have to do a lot more consistant listening to get that odd morning when things come through. Very nice to hear from you Peter and good listening.

I would like to say farewell and thankyou to John Allichin. 3 years ago John and I took over the SW pages of the Times, and since then John has done an excellent job of getting Mailbag out and when necessary helping with Bandwatch. Thanks John and good luck in Aussie, Peter



SWAZILAND

ARTHUR CUSHEN'S SHORTWAVE REVIEW

Latin American signals are being received around 0800-1100GMT on the low frequency bands and Chilian stations are observed opening an hour earlier due to daylight time in that country. The changes on November 2 include the use of some new frequencies while the move to daylight time will encourage listening around dawn though listening in the late evenings means an hour longer at the receiver. This is part of the script broadcast on New Zealand Calling External Service of Radio New Zealand on Monday, November 3, at 0430GMT on 15485 and 17860kHz and repeated at 0745GMT on 11945. All frequencies in kHz. Times in GMT, 13 hours behind New Zealand daylight time.

AUSTRIA: Vienna from November 2 broadcasts to this area 0400-0600 17745, 0600-0900 15410, 0700-0900 21500, 0900-1100 21585, 0600-0900 21640, 1100-1200 21725 and in English 0430-0500 and 0830-0900GMT.

ARGENTINA: Radio Rivadavia, Buenos Aires, 5882kHz heard opening at 1000GMT.

BONAIRE: Trans World Radio on 11745kHz to the Far East in English 0050-0135GMT.

CANADA: Radio Canada International to North America has dropped 9560kHz from 0330 and at 0400 the English broadcasts is on 5960kHz, 9535 and 11845kHz.

CHILE: Radio Patagonia, Coyhaigue - a new station on 6080kHz heard opening at 0929 with chimes and full identification. Relays mediumwave CD 970 - first noted by Steven Greenyer. Chile now on daylight time. Minería on 9750 and Nacional 9550 opening 0900GMT.

CHINA: Radio Peking has dropped 9460 from November 2 and replaced by 9860. Other frequencies are 11600, 11720, 15120 and 17630.

ECUADOR: Radiofonica Popular, Riobamba, on 3985kHz confirms reception with a folding card and advises that in January they will move to 5015. CRE Radio Tropicana is now using this new slogan on 4655kHz and heard at 1100GMT.

FRANCE: Paris calling Africa in English 1700-1800GMT noted on many frequencies including 21515kHz, but mixed with Spain up to 1730GMT.

GUAM: KTWR DX Listener's Log now has a report from QTH Africa on the last broadcast of each month. The schedule is: Thursday 0100 17770kHz; Friday 0915 11840kHz; Friday 1445 15365kHz.

INDIA: All India Radio's new DX Corner is broadcast on the 1st and 3rd Monday of each month. Best reception in the South Pacific 1040GMT on 15205kHz, 15285, 17875 and at 2125GMT on 11620, 11755 and 15110kHz.

LIBERIA: ELWA 11930 opens at 0625 with English announcement and at 0630 a programme follows in Arabic.

NEW ZEALAND: The External Service of Radio New Zealand has altered its schedule as New Zealand is on daylight time, 13 hours ahead of GMT. 6105kHz operates 0930-1115GMT; 11675 1700-2030; 11945 0530-1115; 15485 1700-0730; and 17860 2045-0530GMT.

SPAIN: Madrid is using the new channel of 9585 which has replaced 9600 from 0730 onwards. Also using 11730 in Spanish to Australia.

SOLOMON ISLANDS: The Solomon Islands Broadcasting Corporation now using 9545kHz replacing 5020kHz and heard with English news at 1100 followed at 1110 by late night requests, the station closing at 1130GMT.

SOUTH AFRICA: RSA noted on 21530kHz in English at 2100GMT - this frequency replacing 21535kHz. Also broadcasts 15155 and 17780kHz.

SWEDEN: SSB transmissions on 21550kHz 0630-0800 suffer interference from Saudi Arabia and a new frequency is being suggested.

TAIWAN: Voice of Asia 5980kHz has news in English at 1100GMT and commentary at 1110GMT.

..sign off..

with JOHN MAINLAND

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

U.S.A., VOA has recently introduced a daily sce in Dari—a language spoken in parts of Afghanistan. It is on the air from 1630-1700 on 21575 (GR-250kw), 11840 (KAV-250), 9585 (KAV-250) & 7255 (KAV-250). The sce is believed to have started on 7th Sept and is followed by VOA's evening Farsi sce 1700-2000, same fqs. **BBC MS** and VOA freq sked **AFGHANISTAN** Since 7th Sept R. Afghanistan's external sce to South Asia is broadcast on 6230 instead of 4775kHz. Urdu is broadcast 1330-1530 and EE 1530-1600. **BBC MS**

HOLLAND Jonathan Marks has taken over as host of Radio Nederland's DX Jukebox. Jonathan had previously worked with Austrian Radio's SW sce. Frits Greveling has returned to radio in southern Africa. **SCDX 12/8**

WEST GERMANY Due to the four new 250 kW txs at Holstkirchen the Central Asian sce of Radio Liberty is heard 1200-1600 on 17895 with good reception. **M.Reiff via SCDX**

MEXICO If you have had trouble hearing Radio Mexico's weekly "Mexican hour" in EE GMT Fri at 0030, one of their five fqs might be a little clearer during October, 17765, while AFRTS (USA) is on 25615. **G.Hauser RN DX 18/9**

COLOMBIA Many DXers have been hearing Radiodifusora de Colombia on another weird out-of-band fq 6250-6255v to s/off 0500 GMT. **RN DX 18/9**

PARAGUAY Radio Nacional has repaired its 100kW tx on 9735 and maybe testing it now. **Tony Jones via RN DX 18/9**

ANTARCTICA LRA 36 sent a QSL certificate to a listener in Kansas, saying their sked on 6030 had expanded to 1130-0230 GMT. **RN DX 18/9**

LAOS A recent survey of Laotian sw fqs shows the following usage: Vientiane (domestic service) 6130; Vientiane (external service) 7145; Regional stations: Houa Phan 6168, 4656; Xieng Khouang 6347, 5602; Luang Prabang 6998; Pakse 6600; Savannakhet 7385 kHz. The regional station in Oudomsai was not located during this survey which was monitored overseas. **BBC MS**

16 ALL INDIA RADIO (GOS) wef 7th Sept: 2245-0115 7215, 9605, 11765, 15110, 9530, 11830, 15280; 1000-1100 15350, 17387, 21695, 17875, 15205, 15285; 1330-1500 11810, 15335; 1745-2230 11620, 15165; 2000-2230 9912; 1800-2000 11830, 15185; 1945-2045 9755, 11865; 2045-2230 15110, 11755. **AIR via C.Symmes**
VOICE OF ISRAEL EE wef 14th Sept: 0500-0515 15584, 15200, 15105, 11637; 1200-1230 25640, 21675, 17612, 11620; 2000-2030 17710, 17685, 11610, 9815, 9009; 2230-2300 17710, 15584, 11637, 9815. **BBC MS 18/9**
LIBYAN RADIO AA: 1030-1800 17930; 1030-1600 17680; 1800-2200 15455; 1500-2200 15430; 1030-1500 15415; 1630-2200 15270; 2200-0300 15235; 2200-0300 11825. **BBC MS 18/9**
VIETNAM The regional station in Gia Lai-Cong Tum has been observed on 4737 since 12th Sept., 1015-1215 GMT. **BBC MS 18/9**
MALAYSIA According to the IFRB list for May-Sept 1980, Radio Malaysia has registered a European service 1730-2030 17725kHz. **Uwe Gruner, West Germany in SCDX 2/9**

AUSTRALIA Radio Australia is to have a new headquarters in the Melbourne residential suburb of East Burwood, announcing this the Minister for Post and Telecommunications Mr. Staley, said "the new headquarters would take two years to build and cost about US\$7 million. He said the Radio Australia building was the first step in moves to consolidate the Melbourne operations of the ABC on one site". Repairs to the undersea cable which supplies electricity to Radio Australia's txs near Darwin have been completed. The cable passes under Darwin harbour and was badly damaged by a ship dragging its anchor during a cyclone in '74. **RA Nx 26/9**



RADIO AUSTRALIA



Jill Williams
0900-1100 GMT