

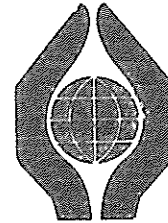


NEW ZEALAND DX TIMES

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HCJB

It is not often that we in New Zealand have the opportunity to meet and welcome outstanding figures in the world of broadcasting. Indeed a leading New Zealand DXer has said that in 18 years he can recollect such visitors on only three previous occasions - now Roger Stubbe of HCJB joins the distinguished few. Roger and his wife Joyce are to spend some weeks in Australia to be followed by five weeks in this country. We extend to them a most warm welcome to the 'Land of the Long White Cloud' and hope that they will carry away with them many happy memories of their stay and not least of the DXers whom they will meet at the 1980 Convention in Auckland and on their travels in New Zealand.

Electronics have always played a large part in Roger Stubbe's life. He obtained an amateur radio licence at the age of 16 which he still maintains. In 1960 he was awarded a B.Sc. in Electrical Engineering from Iowa State University and after some time with the Collins Radio Co. and the E.F. Johnson Co., another electronics firm, joined HCJB in January 1965. In his years with the Voice of the Andes, Roger has worked at transmitter installation and maintenance and power generation. He has been Director of the transmitter site, Director of Engineering, Director of HCJB - F.M., Director of Spanish Programmes and interim Director of Communications.

Both Roger and Joyce were brought up on farms, he in Minnesota and she in Iowa, and both their families were involved in religious and church activities. They met at a Christian Youth Camp in 1956 and married some three years later. However it was not for some years and until after the birth of their second daughter, a mongoloid, that Roger and Joyce became involved in missionary work. At that very difficult time they received tremendous support from their Pastor and the local community which turned a casual relationship with an evangelical church into something very vital and important leading Roger, after consultation with his wife, to apply to HCJB, a radio station to which he had listened in earlier years.

Joyce has participated fully with her husband in the work of the mission where they and their children have served ever since.

A major HCJB engineering project with which Roger Stubbe has been involved recently has been the erection of a new steerable antenna to be used with the new 500 kW transmitter. However, as listeners to BBC World RadionClub will know, Roger has said that the date of commissioning will not be announced as HCJB wants to judge the effectiveness of the new set-up from listeners' uninfluenced reports.

Haere mai, Roger and Joyce, Haere mai!

CS

NEW ZEALAND RADIO DX LEAGUE

PRESIDENT: A.T. Cushen, M.B.E., Hon. Sec. C.S. Chester,

Administration Committee: P.O. Box 1313, INVERCARGILL,
(Membership, Competitions, Policy, Subs.) (9500.)

Editorial: P.O. Box 2956, WELLINGTON 6000. Enquiries regarding content & distribution of the 'Times' only. CLOSING TIME: Noon on 1st Monday Monthly.

Stationery: P.O. Box 450, DAMARU 8900.

Archives: Paul Ramsay, 67 Wharfe Street, DAMARU 8901.

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HEADLINE: NOON - 3/3/1980 - LUGGINGS: SERIES: B.O.M.: CONTINENTS (feature)

FROM THE BRANCHES

2 AUCKLAND advises that because of a very hot Sunday and beautiful weather their January meeting was kept short with only brief discussions. New members Tim Gash, Ted Savage and Peter Price and ex-Aucklanders, Frank Vader were welcomed. Competitions: MW - Mark Nicholls KOPA Arizona 1440 5 kW. SW under 9 - Jim Gorman Austria 21735 100kW. Over 9 Jim Gorman ELWA Liberia 4770 10 kW. (Something haywire there - typed as reported - Ed) Next Meeting Sun. 24 Feb. NZART Clubrooms, 3000 Gt. North Road, New Lynn.

SOUTHLAND is getting a bit ahead of itself. It tells that at its 'April' meeting there were 8 present and 7 apologies. Due to many members being on holiday, business was brief. April meeting is to be Mon. 28 so that Roger Stubbe of HCJB can attend. Next meeting Paul Aronson, Wallacetown, Tues. 26 February. Competitions: Broadcast, B.O.M. Ray Crawford and Eric MacIntosh CMBN Cuba 1180 1 kW Merit: Ray Crawford BBC Masirah 702 750 kW. SW over 9 A.Cushen HCJB, Ecuador 26000 100w. Under 9 Ray Crawford Andorra 6215 3 kW.

WAIKATO-BAY OF PLENTY have their next meeting on 9 Feb. The March meeting, in conjunction with the Rotorua Radio Club on 29th at 0145 GMT (Whakatane 0730 GMT) Hamilton/Waikato members to meet NZART members on Sun. 30 Mar at 0230 GMT. Roger Stubbe (HCJB) will be present on these occasions. Further details from Colin Campbell Rotorua 81161, David Munn Hamilton 492-667, Whakatane A.Haultain 8779.

WELLINGTON tells us that 7 members met at John Mainland's to discuss holiday DXing and the construction of antennas. Competitions: Under 9 Senior Cecil Symmes R.Relej Costa Rica 6006. Over 9 Junior Brian Strong RBI 11890 300 kW Under 9 Junior Brian Strong Nigeria 7255 100 kW. Next Meeting Fri. 29 Feb at Ron Cundy's, 21 Quetta Street, Ngaio - 792-058.

ITINERARY roger stubbe north island

The following details have been received of Roger and Joyce Stubbe's Itinerary in the North Island. It is hoped to publish South Island Information in March.

Date	Place, Time & Details	Contact
Sat. 29.3.80	Rotorua - afternoon with NZART & DXL	Phil King - 88099
	Whakatane - evening with NZART & DXL	A.Haultain - 8779
Sun. 30.3.80	Hamilton - afternoon - NZART & DXL	David Munn - 492667
Sat. 5.4.80	Auckland - NZ DX League Convention Afternoon & Evening	
Thur.10.4.80	Wanganui - Evening - NZART	S.Withers - 25-806
Mon. 14.4.80	Palmerston North - Evening - NZART & DXL	J.Stuart - 35-732
Tues.15.4.80	Wellington - Evening - NZART & DXL	Bill Chisholm - 899513
Wed. 16.4.80	Raumati South - Evening - NZART	D.Young - 86664

CHANGE AT RNZ

R.G. (Geoff) Haggett, who recently retired as Overseas Programme Manager, Radio New Zealand, can take much of the credit of keeping the country's short-wave voice on the air in the years since it was

re-activated in 1976.

His involvement with broadcasting dates back to the war years when he was in India and later Ceylon (now Sri Lanka). He returned to NZ in 1947 and after a spell as an announcer with 2 YA and 2 YC took charge of the Mobile Recording Unit. He next became involved, through the United Nations, in setting up the North Borneo (now Sabah) Broadcasting Service and followed this in 1960 with ZCD (now A3Z) Tonga.

Geoff was always interested in the DX/SWL fraternity and ensured that the 250 or so monthly reception reports to RNZ's SW Service were responded to. In late 1979, Fred Barnes, back from a stint with the Asia-Pacific Institute for Broadcasting Development, took over from Geoff.

To Geoff and his wife our best wishes in their retirement and to Fred - Welcome - and please talk to the DXers and SWLs before making any violent changes. BC/Ed.

BROADCAST DX³ POR EL PERSONAL NECESARIO

Short term warrant news. Radio Contact, the student station at Waikato University will be on the air again this year. The station will start on March 3 to 15 but not on Sun 9. Hours will be 2pm to midnight (NZ local time) each day and a special 7 to 9am 'breakfast show' in the first week. Call sign will be 1XC and frequency 1440. Radio Contact will be broadcasting from 'Oranga' on the University campus and the postal address is P.O. Box 13-020, Hamilton. Please send return postage with your reports.

Radio Contact is a very young station, this being their sixth broadcast. The station was formed some five years ago as a capping stunt when it was then called 'Nyllewell', the Vice-Chancellors name spelt backwards. Problems converting the old ex-Canadian Navy transmitter to operate on the allotted frequency prevented broadcasting at that time. The station is funded by the students association and is manned by a voluntary student staff. The broadcast is to provide an information service over the University 'Orientation Week', which is when students start their studies for the year.

Tnx GEOFFREY R. POOCH, Station Manager, & A. CUSHEN.

The Auckland University Students Association will be running Radio BOSOM on 1404 with 100 watts from Sunday 17 February to Saturday 15 March. From the notice provided by the Broadcasting Tribunal it would appear the station will be 24 hours. A.CUSHEN.

Hearings have begun in Gore and Invercargill for the proposed private stations and the RNZ mini station at Gore. RNZ want to set up a station similar to that of Apple Radio in the Hawkes Bay and the two private stations want a station in Invercargill and Gore with a relay in Te Anau.

Massey University has applied for a short term warrant in the period 25 February to 7 March. No further details are known. Keep an eye out for this one. tnx DAVID HUGHES.

Now into the Mailbag;

LEIGH MORRIS, Palmerston North, has logged WHO, WHAM, KPAY, KARZ, KGYN, 1XC and VOA Marathon. Replies in from A3Z, KSTP, KPAY.

BRYAN CLARK, Auckland, has reports out to Waves 1404, 2XR 1602, Taupo 1224. Veries in from KISA, KIVM, KPOI and Waves. Ta.

RAY CRAWFORD, Invercargill, has reports to KNIX, JOWF. Veries are more substantial with 2EA 1485, 4KQ, 6B8, 6GF, 1XL 1224 CBS Taiwan 750, 1200, BED 81 1470, KKAP, KVAN, WHAS, CBU, WKY, BBC Masirah 702, Cuba 1430, CMCD 1180, La voz del Comercio 1240. Nice list there.

PAUL EDWARDS, Wellington, has veries in from KUAN, KRMG, KLAC, CJVI, WLS, KHJ, CHUM, KBCQ, A3Z, WWWE, KFQD, WSM, KARN, KFJZ, KHLO, KHET, KMJJ, CBU, KYW, CJCA, KXLY, CFPF, WSAI, Can you still hold a paint brush, one needed KXEN, WIBW, KYTE with a T-shirt, KDIA, KWTO, KOFI, KQWB, KFYV and WABC. Fine list.

BILL JOLLY, Kawerau, has reports out to Sam 1170, 1XK, 1XP, 1XA, Fiji 711 and veries in from 1XX, 1ZA, 2YA, 1XW and 1ZM. Ta.

IAN CATTERMOLE, Blenheim, has reports to 2GN and 2XX Picton and veries in from 1XL, 1XX, KSDO and KLOE.

PAUL RAMSAY, Oamaru, has reports out to 3ZE 4XO, 2XR and Pacific. Veries in from 3ZE, 4XO and Pacific with a PPC. Paul also advises that Radio Waitaki has been granted the call 4ZW. A frequency has not been confirmed but it is thought to be 1395. Ta.

MARK NICHOLLS, Auckland, has reported Waves, Sam 1170, and has veries back from KOPA a NZ 1st, KVOO, KOA, KOMO, WWL, KAIM, CKLG, CJVI and 2XW.

BRIAN WEBB, Upper Hutt, has reports to 1XK, 1XX Galatea, 1YW, 1YZ, 1ZC, 1ZE, 2XW, 2XX, 2YW, 2YX, 2ZE, 3ZE, 4IP, 4QR, 4XD, KHVH and Fiji 711 Veries in from 1ZE, 1ZU, 2XW, 2XX, 2ZE, 3ZE and 4XD.

HANK WILKINSON, California, USA, has reports to HJAR 1000, 2ZA, 1ZD and 2NC. Veries in from 2KP and TIPG 1224. Similar conditions exist here as well.

CHRIS MARTIN, Sydney, Australia, has logs of 2WEB 576, KKAL 1280 and ICRT 1550. Veries in from CHQT, CJCA, KFAR, KRVN, KBZY and KXRX. Can you still hold a paint brush, one needed here, hi!

DENE LYNNBERG, Titahi Bay, has reports out to 2XR and 1XK with veries in from CMCD 1270, Lisboa 1594, DYFX 1350 and 1305 and FR5 Martinique 1310 for country 100. Congrats. Martinique verie lists power as 2 x 20kW and not 50kW as in 79 WRTVH. CMCD verie signed by Eloy Concepcion and power listed as 1kW and not 10 as in 79 WRTVH. (CMCD is call for 1180 Dene)

Mark Nicholls advises that Hauraki has printed new cards for 1476 kHz.

Late LADDER entry from Ray Crawford gives Broadcast as 1423-1468-45-161 Shortwave 1540-1609-69-168.

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MAILBAG CONTINUED.

DAVID RICQUISH, Christchurch, has one log of 1XK, and QSLs from KRDU, CFNB, CFCY, WKDA, WRKO, WEZE, Barbados 900 for country 49. Thankd for info.

ARTHUR CUSHEN, Invercargill. has a report to 2JJ, and verified are VOA 1575, 5SY, 3TR, CJVB, 2XX, 1XK, 3LO, ICRT 1550, 2DU. Ta.

ROBIN CHAMBERS, Opunake. has reports to 2ZE, 2XX, KNIX, KARZ, KHEI, and veries from 2XX and KYTE. things very quiet.

VIVIAN VAN DYK, Auckland, has only one QSL from Rhema, and reports out to Rhema, Waves, Taupo 1224, Avon and Sam, a good list of NZers there.

MARK MURRELL, Nelson. has received the following back, 1ZB, 2ZW, and 2ZA. Radio Pacific say they are printing cards, so we can only wait.

PAUL RAWDON, Eastbourne. has one out to KNIX as do some others, good signal down here. Paul.

MIKE SMITH, Auckland, has QSLs in from 2GB, 2KM, and 4XO. thanks.

PETER JONES, Hamilton, has logs of 1ZD, 2XP, 1XX, 1ZB, 1ZC, 2ZB, 2GB, 1ZD, and QSLs in from 4XO, 2XY, 1ZD, 2XP, 1XX, 1ZB, 1ZC & 2ZB, ta very much.

PAUL RAMSEY, Oamaru, has two out, 4XO, and Ashburton testing, one verie in from Ashburton.

VERIE SIGNERS.

CHINA. 1206, Mr Ma Ruiliu, English section, Radio Peking.

THAILAND. R.Thailand 891 & 1035 Mr Ramyong Sakornpan, Chief, External Services.

DWWA 1206 Quezon, Philippines. Mr Johnny Alabazo, Radio Engineering Department.

2GF, 1206. Grafton, Mr Chris Joscelyne, Manager.

TIPG, Heridia Costa Rica, Apartado 76, Senor Emilio Piedro Jimenez, Gerente Proprietario.

WALLIS et FUTUNA. Wallis operates on 1188 and Futuna on 1090.

Address is PR3 Pointe Matalaa, Mata Utu, Wallis et Futuna.

SGDXers.

BROADCAST TRAIL.

- 960 KARZ good at times 0758-0940, Nx 0800, wx 0838, 21/1. KABL up over KARZ 0802, "CABLE" ID.
- 1110 KHEI "Maui's good music station" good 0745-0827.
- 1150 XEJP SS good 0845.
- 1440 XEAI SS good 0810.
- 1503 2XX Picton good // 2ZE 1539, 1148-1222.
- 1580 KNIX good over KDAY 0935-1004.
- 1602 2XR strong and steady 0735-0750. all thanks to Robin Chambers.

BEST OF THE MONTH

Senior.

Ray Crawford, CMCD Isla de Pines. Cuba. 1180 kHz 1kw, 163 points.

Junior.

Mark Nicholls, KPOA, Scottsdale, Ariz. 1440 kHz, 5Kw, 111 points.

BARBADOS.

Caribbean Broadcasting Corpotation at Bridgetown uses 10Kw on 900 kHz. Verie signer is Director of Radio, Vic Fernandes. Local and BBC news is aired commercials are carried and some programmes are sponsored by multinationals such as Colgate Palmolive, or local firms like, Harrisons Electrical. Schedule for week 6-13 January 1980 gives the hours as.

- Mon-Fri, sign on National Anthem 0928 sign off 0400 GMT.
- Sat. Sign on 0400 GMT and then 24 hour programme through to 0400.
- Sun. Sign on 0400 with Late Date for two hours to sign off 0600. Then back at 0928 to 0400 sign off. add one day for NZ.

If the 0400-0600 extension is regular then this could be a good time to try. Otherwise, sign on 0928 with local sunrise seems best time for this one.

There is also a local FM outlet on 98.1 carrying an alternative programme .

via David Ricquish.

In the mid-1920's a prominent Shreveport industrialist, W.K. Henderson, managed to aquire call letter using the initials of his name (-WKH) and began a small station operated out of his home on the Mooringsport Road just outside Shreveport. There he strung his antenna between a windmill and an elevated water tank. Inside the home, today known as the Kennonwood Estate, programming was provided by a single mike and two phonograph turntables. Stedman Gunning, who joined KWKH as engineer in 1926, and who is still engineer today, stated that it was not unusual to receive 500-700 long distance telephone calls and up to 1200 telegrams a day from listeners all over the United States, Canada and Mexico, requesting numbers to be played over the station. In fact, incoming traffic was so heavy that Western Union had to install special phone and telegraph wires just for KWKH alone.

Stedman Gunning, one of the first American personalities to be called a DJ, was both DJ and station librarian, having at ready access a collection of over 14 000 single play shellac 78's. W.K. Henderson also spent time behind the mike as DJ. It was he who had the mike placed in his bedroom so he could lean over, switch on the station, and broadcast from his bed - really! He always addressed his coast-to-coast listeners with the phrase, "Hello, World! Doggone ya." It was this phrase that made him, as well as KWKH a worldwide phenomenon. It was he who originated the catch phrases "Monkey Ward" (for Montgomery Ward) and "Swears and Rareback" (for Sears and Roebuck). He also conducted many radio crusades, the most famous being the one against prohibition, when he would rattle ice in his glass close to the microphone, assuring the listeners that "it wasn't just water"

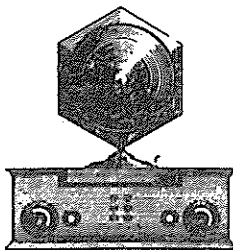
After several aquisitions and expansions, paower output was increased from the original 250 watts in 1926, to 1000 in 1928, and to 50 000 watts in 1938-39. The antenna also changed from the wire strung out the window in 1926 to an enormous six-tower array located north of the city on Highway 71 North. KWKH has flirted with several formats, but has always remained a somewhat country station, with ad sales directed toward the farmer and cattleman. KWKH is also the founding station of the famous "Louisiana Hayride", a local show that started back in the late 40's and continues today. Many big-name recording stars either began their careers on the Hayride or used it to promote them to higher planes of popularity. Some of those stars include Johnny Cash, George Jones, David Houston, Mickey Gilley, and the king, Elvis Presley. Elvis got his first nationwide coverage on the Hayride, and that's a fact that KWKH will not let fade into the background. The promoters of the Hayride are now predicting the coverage and audience of the programme every Saturday night is approaching that of WSM's "Grand Ole Opry".

ASIAN NEWS

CHINA: Peking's Domestic Service in minority languages have been observed as following schedule; Korean via Yanji on 1206 1000-1055. Mongolian via Hohhot 1458 0500-0555. Other skeds; The Anhui Peoples Broadcasting station, Hofei on 936 and 1490 broadcasts 2050-0100, 0250-0500 and 0730-1500. The Gingdao PBS - Shandong Province on 1377 broadcasts 2100-0030, 0255-0630, and 0855-1500. Henan PBS - Zhengzhou 1st pgm on 657 and 1332 from 2120-2400 and 0350-1515. 2nd pgm on 972 2150-0515, 0925-1500. Guangdong PBS- Guangzhou 1st pgm on 648 2045-2400 and 0250-1530. 2nd pgm on 1062 2100-0600 and 0900-1540. Sichuan PBS - Chengdu 1st pgm on 1116 from 2120-0030 and 0920-1500. 2nd pgm on 1089 2220-0530 and 0900-1300. Guangzhou PBS on 999 from 2100-1600. PLA Fujian Front Station 1st network observed on 666, 846, 1016 & 1266 from 1000-0500. 2nd network on 819, 954, 1008, 1377 & 1539 from 0400-2100. Peking external service to Taiwan 2000-0610 and to 0700 on sundays, and 0830-1900 on 594, 693, 750, 792, 909, 927, 1035, 1089, 1116, 1224, 1431 and 1512. reking 1st program observed on 540, 560, 621, 639, 660, 676, 756, 805, 837, 864, 873, 981, 999, 1017, 1035, 1069, 1161, 1287, 1302, 1320, 1341, 1350, 1359, and 1363, from 2000-1735. 2nd pgm on 630, 678, 720, 855 and 1044 from 2100-1600. Hebei PBS on 783 and 1278 broadcasts 0200-0600, 0840-1535 and 2115-2350. Radio Peking announced on 20/12/79 that, in accordance with the government's policy of modernization and to promote foreign trade as well as scientific and cultural exchange, the Central Peoples Broadcasting station would sponsor from January in its 1st and 2nd programs a broadcast in which commercials on various products and commodities would be presented. BBC-MS

TAIWAN: The International Community Radio and TV (ICRT) which replaced the American Forces Taiwan Network has been heard on 1550 with news at 1500. Address is C/~ Mr. Lem Butler, G.M., ICRT, No. 8 Chung Yung 2nd, Rd, Shan Tze Hou, Yang Ming Shan, Taipei 113, Taiwan.

A.CUSHEN.



with BRUCE LISTER.

Another recent release in communications receivers is the Kenwood R1000 and this elegantly styled receiver holds every promise of becoming a useful and popular set with DXers. This report has been compiled from information supplied by Ralph Sanserino, California, Leigh Morris, Palmerston North and Bryan Clark, Auckland. My thanks go to you all.

SPECIFICATIONS. Frequency range 200kHz - 30MHz. Mode AM SSB CW. Sensitivity (Signal + noise / noise of 10dB or better) 200kHz - 2MHz 5uV SSB, 50uV AM. 2MHz - 30MHz 0.5uV SSB 5uV AM. Image ratio better than -60dB. IF rejection better than -70dB. Selectivity AM Wide 12kHz @ -6dB & 25kHz @ -50dB. AM Narrow 6kHz @ -6dB & 18kHz @ -50dB. SSB/CW 2.7kHz @ -6dB & 5kHz @ -50dB. Frequency stability +/- 2kHz in the first hour thereafter +/- 300Hz in any 30 minute period. Antenna input impedance 200kHz - 2MHz 1000 ohms unbalanced, 2MHz - 30MHz 50 ohms unbalanced or 1000 ohms unbalanced, switchable from back panel. Audio output 1.5 watts into 8 ohm load at 10% distortion. Power supply 100 120 220 240 Volts 50/60Hz 20 Watts. Semiconductors 40 IC's 11FFT's 63 transistors 71 diodes and 1 display tube. Dimensions 300mm Wide 115mm High 218mm Deep weight 5.5kg. The NZ price is expected to be about \$580 in NZ. The NZ agents are Vicom (NZ) Ltd, P.O. Box 40477, Upper Hutt.

FEATURES. The Kenwood R1000 is a general coverage receiver tuning from 200kHz to 30MHz in 30 1MHz bands using phase lock loop techniques (PLL) with a digital readout to 1kHz and the analogue dial calibrated at 10kHz intervals. Simplicity of operation with the number and placement of controls being paid particular attention in the design has given a good looking set. A high impedance aerial input for MW is normal and the provision of switch selected high or low impedance inputs on SW will adequately cater for nearly all aerial choices likely to be chosen. From the aerial the signal is fed to an attenuator of 4 switched positions - 0, 20, 40 & 60dB - after which, the advertising becomes a little vague, but there seems to be no RF or preselector stages the signal going direct to the mixer, probably through either a low pass or wideband filter. After mixing the signal is fed to the IF stages where 3 bandwidths are provided to meet the selectivity needs of the different types of reception. Following IF amplification the signal is detected and a noise blanker is provided, which only operates on interference spikes (an IC manufacturer has released an integrated circuit that provides the necessary electronics and set makers are making good use of it). The audio signal is fed to a recorder outlet and via volume and tone controls to a 10cm speaker mounted in the top of the cabinet and a 1/2 inch phone jack on the front panel. Japanese produced advertising refers only to mains power supply although Australian advertising refers to mains and also 13.8 volt supplies (car battery) being provided. Other features not directly relating to the signal path are a digital clock using the same display as the frequency readout, a 4 position rotary switch showing frequency, time, switch on time and switch off time. Time indication is 12 hours with AM & PM beacons. A remote socket allows other equipment to be switched on and off by the timer. Another added touch is the provision of a switch to dim the panel lights and so match their intensity with the available light. Optional extras are a matching external speaker and headphones.

COMMENT. This is a receiver that is a great improvement on the older QR-666 and R300 models, but must inevitably be compared with other makes as well. This I think it will do favourably, there are one or two points however that must be looked at with care, one being the IF bandwidths. I am a believer that this type of set is not primarily designed for listening to the local national or concert programme and therefore the IF bandwidth of 12kHz is optimistic when station spacing is only 9kHz on MW and 5kHz on the SW bands. The narrow position is a good compromise for AM reception although a shape factor of 3:1 could be better. The ssb filter would be a good choice for DXing and with luck the same wiring change as on the Yaesu FRG-7000 will be effective. Basic sensitivity is less than that normally encountered these days but will be adequate for all aeriels except the very shortest bit of wire. Image and IF rejection performance will be good. The lack of a preselector follows current practice but if this is desirable only experience will tell. A final impression is the R1000 is a set that will perform well in its designed market slot.

Barring unforeseen happenings a test report will be available within the next month.

LEAGUE LADDERS

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Broadcast				Shortwave					
DIVISION	DEC	FEB	INC	CNT	DIVISION	DEC	FEB	INC	CNT
GOLD STAR (over 1250)					GOLD STAR (over 1250)				
Arthur Cushen	2393	2403	10	145	Arthur Cushen	4688	4754	66	240
Keith Robinson	2275	-	-	114	Bob Padula	4656	4685	29	-
Ray Crawford	1423	-	-	161	Dene Lynneberg	2317	2334	17	210
SILVER ACE (751-1000)					SILVER ACE (751-1000)				
Eric McIntosh	1050	1059	9	88	John Mainland	1529	1543	14	202
Robin Chambers	951	-	-	115	Ray Crawford	1540	-	-	167
Dene Lynneberg	815	820	5	100	John Durham	1521	-	-	180
Chris Martin	710	-	-	152	Bill Huddleston	1384	-	-	144
ACE (501-750)					ACE (501-750)				
David Ricquish	584	596	12	49	Ray Babbage	1342	1349	7	131
Bryan Clark	504	510	6	92	Bryan Clark	1286	1300	14	201
SENIOR (301-500)					SENIOR (301-500)				
Paul Aronsen	489	-	-	-	Gunter Jacob	1255	1266	11	124
Hank Wilkinson	462	-	-	76	GOLD ACE (1001-1250)				
Ray Babbage	447	449	2	45	Ian Cattermole	1179	1231	52	125
Ian Cattermole	410	417	7	24	Jack Searle	1058	1077	19	135
John Campbell	330	-	-	93	ACE (501-750)				
John Allchin	309	318	9	29	John Campbell	730	-	-	224
INTERMEDIATE (151-300)					INTERMEDIATE (151-300)				
Jim Benzoni	252	-	-	25	Paul Aronsen	684	-	-	-
Stuart Forsyth	188	202	14	17	Eric McIntosh	670	-	-	117
Paul Rawdon	187	-	-	27	Jim Benzoni	568	-	-	100
Jack Searle	182	182	-	20	Paul Rawdon	558	-	-	132
Leigh Morris	179	182	3	33	Peter Jones	540	582	42	90
Gunter Jacob	164	164	-	34	SENIOR (301-500)				
Paul Ramsay	154	160	6	5	Steven Greenyer	-	447	-	139
JUNIOR (50-150)					JUNIOR (50-150)				
Peter Jones	120	128	8	6	Bill Jolly	343	352	9	75
Mike Smith	115	118	3	10	Jack Farrow	317	320	3	53
Mark Nichols	71	84	13	5	INTERMEDIATE (151-300)				
Steven Greenyer	-	73	-	27	Leigh Morris	230	284	54	111
Alex Wellner	-	59	-	9	Mike Smith	223	238	15	66
					JUNIOR (51-150)				
					Chris Hatton				
					Philip Hamlin				
					David Hughes				
					Stuart Forsyth				
					John Allchin				
					Arthur De Maine				
					Michael Williams				
					Mark Nichols				
					Bill Mannix				

Welcome back to this column to Alex Wellner and Steven Greenyer.

I have you in order now but not doing that last time produced an incorrect result in the ladders. The Gold Ace in the SW section I awarded to Gunter Jacob, that is incorrect the winner is actually Ian Cattermole with an increase of 162. So with Ian been promoted the Silver Ace winner is Jack Searle with an increase of 60. My apologies to Gunter Jacob who now missed out..... Congratulations to Dene Lynneberg on attaining that magic 100 on Broadcast. BC is still some way behind you Dene.. No Bryan I have not seen that card. When I do I will arrange for a copy to be made at the Printing Office for?

Well the DR 28 has gone from the PSIS shop in this fair city. But dont worry there is one for sale in Hastings only 829 Dollars. Also a DR 22 in Hastings Cheap \$544.....

Stuart Forsyth I cannot go back to your June Entries. These are held by the Editor. Your December Entries were late. All contributors must remember that all notes are distributed straight after Closing date, therefore no late entries.. Time does not permit.

Gerhart Butow Broadcast 121 in Dec No Change 45 Countries. On SW 184 from 114 Countries. I hope that you have my letter written about 2/3 Weeks ago.... All the best and Good DX for 1980. Trust I will see some of you at Auckland in April. Match faces to Names.....

student stations

It is again the time of the year when the student orientation programmes get under way. My thanks to officers of the Broadcasting Tribunal and the NZPD for the following information: RADIO ACTIVE - Wellington (further details below. RADIO BOSOM - Auckland :1404 kHz from 17/2/80 - 15/3/80 (Both approved) RADIO CONTACT - Waikato and RADIO U - Christchurch(1440 kHz & 1230 kHz respectively) - both under consideration. Applications also received from Massey and Otago. I have been advised that frequencies allocated to student stations are more likely to be in the upper part of the broadcast band. ED.



Radio Active was formed in 1976 as part of student response to visits by nuclear warships. Following this, two groups - protesters and students - incorporated as Club and are now an accepted part of the student organisation. While the main transmission period is at the beginning of the academic year to help with orientation, the station has applied for two periods of 1 month each in 1980. The first period will be from 11/2 to 9/3/80 - Mon/Fri 0700 hrs - 2400 hrs (NZ Time) Sat & Sunday 1000 - 2400 hrs. Freq. 1584 kHz, 100 w, using a vertical antenna on the Student Union building. The station will be happy to QSL reports but state no log is kept of musical items. Names of announcers and special announcements etc should be given. Prefer NZ times to be given (What is all this GMT business?) Would appreciate RP or even better self-addressed reply card. An interesting project being examined is the possible establishment of a Community Radio Station similar to those in Canberra and the USA. ED.

2XA

for latin america dx-ers

We would express our thanks to Ian Cattermole of Blenheim who has offered as a prize for a Special DX Competition

- of a Spanish Dictionary (or alternative to the approximate value of \$30.00). The conditions of the competition are as follows:
- Limited to NZ members logging, reporting and QSLing Spanish speaking Latin-American Stations in the 49 and 80 mbs between 1/4/80 and 30/9/80. NOTE: Only one log/QSL per station eligible - e.g.R.Reloj, Costa Rica 4832 and 6006 kHz - one station only.
 - All loggings to be made at members QTH - loggings made on DXpeditions, or sites such as Quartz Hill, Wellington, or Tiwhai Point not eligible. Loggings to be reported to Bandwatch.
 - QSL cards, original logs and copies of reports to stations to be sent to the Editor, NZ DX Times, P.O.Box 2956, Wellington by 31 March 1981.
 - Winner - Member submitting greatest number of valid QSLs. The decision of the Judges is to be final and in the event of a tie the Judges will adjudicate.

WINB RED LION

Radio Station WINB began broadcasting on shortwave in October 1962, as a privately owned commercial shortwave station. At the beginning WINB was owned by Rev. John M. Norris, and is presently owned and operated by World International Broadcasters Inc. - a corporation of which Rev. Norris is the President and major stockholder. Throughout its 17 years on-air, WINB has been used mainly by religious broadcasters, who purchase time to broadcast programmes as a missionary outreach.

WINB is located 1½ miles east of Red Lion, Pennsylvania, USA, where the transmitter and studios are both located. The transmitter has an output power of 50 kilowatts, using a single triode tube in the final amplifier. Modulation is high level by a push-pull triode amplifier. The antenna system is located approximately 300 metres from the station and is fed by an open wire transmission line. The antenna itself consists of a 3-wire curtain rhombic at an approximate height of 37 metres. The faces of the rhombus are 90 metres long, and the antenna is terminated by a 4-wire stainless steel resistive disipation line.

Reception reports should be addressed to Radio Station WINB, P.O. Box 88, Red Lion, Pennsylvania 17356, USA.

BC

Shortwave Mailbag

with BRYAN CLARK, while JOHN ALLCHIN holidays in Southern Cross DX Club territory!

The usual mid-summer respite for many of us, but still some good returns for some. Who would have thought a few years ago that the Peoples Republic of China would one day be giving DXers full detail QSLs for regional stations - if you haven't tried yet, get a report or two away to Radio Peking before someone changes their mind. Besides a good number of such veries reported this month, the elusive Radio Sanaa has rewarded Leigh, Barry and John; Steven sports the usual exotic Latins, and the first veries for the 100 watt HCJB test transmissions on 11 metres are to hand. This outlet is now giving regular reception here in Auckland on 26020kHz and seems best between 0200 and 0400 GMT, though they do pop up at various other times too. Now to the mailbag.....

PAUL RAWDON Eastbourne has 1 out but 4 in - NHK 17755, Vatican 11830, AFRTS 25615, RN Bonaire 17605. Nothing doing on TV/FM here. Too hot! Ed.

CHRIS HATTAN Auckland is a welcome newcomer to our pages with QSLs from HCJB 11900,9745,11835, 21480, IBA 15105,11655, NHK 11815, TWR Monte Carlo 9495, RFI 25820, Norway 21655,15135, Greece 9515,21655, WYFR 21615, RAI 17795,15330, YLE 21465, RSA 15220, Kiev 15220, Sofia 7216,15310, Havana 11760, Port Moresby P2K3 3925, Luxembourg 6090, Pakistan 21630, Radio Bras 15280, Bucharest 9690, Sth Korea 7275, Belgium 17740 & 15190. Verie total now stands at 170 from 45 countries. Please give Barry a ring Chris - he has some ham QSLs for you!

RON SERVICE Ashburton has been concentrating his DX on 120 metres and sports a verie from Yunnan Peoples Broadcasting Station on 2460.

PAUL EDWARDS Wellington QSLs Owerri 4755, Iran 9022, Mexico 15385, Tanzania 6105, Sarawak 7160, Ivory Coast 7215, Benin 4870, New Ireland 2428.Hi.

BILL MANNIX, located at Clifden Ranger Station in Fiordland National Park has veries from RSA 21535, 17780, and Turkey 11955 w/pennant for cntry 38.

BILL JOLLY Kaverau has 10 away over last 2 months and replies from NHK Sines 17815, ORF 21630, RA Shepp 21525, RN Bonaire 17605, REE 6065, RA Shep 17755, RN Bonaire 17695, RM 17805, IBA 21500.

BRIAN WEBB Upper Hutt advises 22 reports out and replies from RA 15240,17870, AFRTS 21670, DZ16 17810, SRI 6135,17760, 17830. Reports not reqd in this format Brian, just a total will suffice. Thanks.

DAVID MUNN Hamilton advises 6 new countries QSL'd amongst the following: 4VEH 11835, HCJB 6070, BBC Ascension 15260, Radio Reloj 6006 ("Aqui Costa Rica" card), Owerri 4755, Radio Bras (full data postcard) on 15270, RFI 25900, Kenya 4934, RRI Jayapura 6070 in 15 months. Look forward to meeting you at Convention David. Perusing old copies of the DX Times I see your name as newcomer to Southland branch's February 1959 meeting! Ed.

FRANK VADER Auckland returns to our pages after a long absence. He's back with a vengeance, having 36 reports out and veries from RN 11755, RA 21680,17795, 21525, Chile 17800, IBA 7412.5, ORU 17740, AFRTS 21570, Lisbon 17840, Paris 15425, DW Caribbean 9690, Manus 3905, NHK 6030, 9585, RCI 15150, RSA 17780. Welcome back Frank!

JOHN MAINLAND Wellington has replies from ORF 17745, Riyadh 9580, Voice of Lebanon 6550, Sanaa 9780, Paris 25820 and FEBC 15305. Ta.

JACK SEARLE Haumoana, first of our many enrolments for Convention 80, has verified RA Shepp 15395, IBA 15100, 17645, VOA Phil 26000, Indonesia 15200, RM Moscow 7380. VOA QSLs seem a rarity nowadays Jack. Any secret to your success? Roll on Easter!

ALEX WELLNER Sydney NSW has 2 new countries QSL'd in 4VEH 11830 (you mean 11835? Ed) & Chile 15150 to make the country total 96. 6 reports away.

SR STEVEN GREENYER desde Invercargill con verificaciones siguientes: Turismo 6180, Ondas Panamericanas 3215, Tama 4770, Tropical 4935, Tigre 3255, Reloj 4832, TIFC 5055,6035, Noticias 9490, Guaruja 5975, Combeima 6025, Educacion 6185. ¡ Fantástico!

CONVENTION 1980

AUCKLAND, NZ
EASTER 1980

Registration deadline for the League's 16th National Convention is Tuesday 18 MARCH

and there is a limit to accommodation at the site - so enrol now to ensure your place! Just \$19 will cover all meals and accommodation from Friday afternoon 4 April till Monday morning 7 April, with a full & interesting range of activities in between. Besides special guest Roger Stubbe from HCJB Ecuador, we already have confirmed attendances by Theo Donnelly, News Director for CJVB Radio Vancouver Canada, James Niven from South Australia, League National President Arthur Cushen, plus members from Invercargill, Oamaru, Christchurch, Nelson, Wellington, Palmerston North, Hawkes Bay, Waiouru, Hamilton and, of course, Auckland. We are also hoping to welcome someone very prominent on the Hawaiian broadcasting scene.

Don't miss the action! Registration forms available from CONVENTION 80, P.O.Box 3011, AUCKLAND.

DENE LYNNEBERG Titahi Bay advises 4 reports out and verifies from Bayrak 6141, HCJB 21480, AFRTS-DL 21570, Austria 15560, RM Lvov 21530, RM 15540, RM 21555(my QSL for log at 0700 last Nov gives site as Vinnitsa.Ed), LV19 Malargue 6160 500w, Hubei PBS 3940, Xizang Tibet PBS 9490, Fujian PBS 2340, Yunnan PBS 2460, Zhejiang PBS 2475, Qinghai PBS 3950 & Heilongjiang PBS 4750. Spelling lesson, hi!

LES BOYD Wanganui has been rewarded with Moscow 9450, IBA 17645, RN 9770, 21630, TWR Monaco 9500, RA 15130,17890, Peking 11725, RSA 21535, Sth Korea sent pennant but no QSL (hear they have been putting QSL data onto pennant for some, Ed.), WYFR 21615,17845,11805, HCJB 21480,9745. Expect to see you in the April ladder listings Les!

MICHAEL PIJACUN Auckland has QSL'd AFRTS Beth 15430 & Delano 21570, RM Vinnitsa 11980, Peking 9860, Uganda 15325, NHK 21640, VLM4 4920, AWR Sines 15440, DW 15135. Thanks Michael. 10 away.

MARK MURRELL Nelson has verified Sweden 21690, P & P 17695, HCJB 11900 w/calendar, RN 9770, RM 9490, Madrid 9630, BBC 7150, HCJB 6130 w/piece of handwoven baby shawl. Unusual! What next?

ROBERT WEBBER Te Kuiti advises verifies in from NHK 21610, HCJB 9745, Peking 15125, Lisbon 11925 and Oslo 21730. Hot work this DXing Robert!

IAN CATTERMOLE Blenheim with the usual good list: NHK Sines 15130, BBC Antigua 11775, AIR 9535, 11620, RM 9690,9610,17710,17795,15515,15535, 11935,7310,7370, Brussels 15175, BBC Singapore 9740, Tanzania 4785, RN Bonaire 25650 (also rptd to be from Talata - both sites in use? Ed), ELWA 4770 (could have won a share in the BOM lan!), DW Malta 11795, SFB 6190, Wenzhou 2415, RFI 9510,9545, Vienna 21640, Chile 11890, Helsinki 21465, REE Madrid 15405.

BOB PADULA Australia lists verifies as WYFR 9605, ELWA 11930, Vienna 21640, RCI Sackville 21695, Madrid 15405, TWR Bonaire 9560, Lisbon 15180 and AFRTS-Delano 25615.

LEIGH MORRIS Palmerston North has the usual good selection with VORE Addis Ababa 9560,9615, ELWA 11830,11930, Malaysia 9665, Dar es Salaam 5050, Vatican 15120, SRI 3985 & Sanaa 4853. Latter still holding out on me Leigh. Apintie gd un! CU Easter.

BRYAN MARSH Auckland has a lone QSL from RSA 25790. A good one nonetheless Bryan!

JIM BENZONI Hamilton has 2 out and replies from Reloj 6006, HCJB 11835, Sogunle Nigeria 4990 and RN Lopik 17605. Waikato figuring prominently in SW pages these days Jim. See you again at Easter.

BEST OF THE MONTH

Under 9mHz

ELWA Monrovia Liberia 4770 10kw - David Hughes
Dar es Salaam Tanzania 5050 10kw - Leigh Morris
both 117 points. Well done Manawatu!

Over 9mHz

HCJB Ecuador Tests 26000kHz 100 watts to Arthur
Cushen and Bryan Clark - 138 points.

BARRY WILLIAMS Auckland, one of your hosts at the 1980 League Convention, has verified ELWA 11935, RM Moscow 7390, Kiev 7330, Kenga 11960, Minsk 15150, Sanaa 4853, Heilongjiang 4925. (Nunu means nono?)

DAVID HUGHES Palmerston North has an ELWA QSL for 4770 w/25th anniv. sticker, also BBC 18080, RM 9490, RM Vinnitsa 11980, Lvov 21530, Moscow 15360, Iraq 9745 instead of 11925. (If latter was reported that's what you should count I think David. I think they are notorious for putting the wrong frequency on their QSLs. Ed)

BRIAN STRONG Wellington has QSL'd Havana 17855, Budapest 9835, Nigeria 7255, Malaysia 7295, RBI 11890, NHK 9585. Still coming to Convention Brian?

ARTHUR CUSHEN Invercargill has this month's top postman by virtue of replies from ORF 21670, RSA 21695, Helsinki 9645, CE963 9630, PJB 9575, NHK 15235, IBA 11637, Harbin 4840, 4925, 5950, ORF 21585, RN Madagascar 21685, Tashkent 11785, 6025, HCJB 26000 15295, 15435 plus the following from RM: Moscow 5900 9580, 15140, 21450, 17840, 9450, 21600, Armavir 12010 21645, 21615, Vinnitsa 21555, 11980, Serpukhov 9795, Tula 21490, Leningrad 21600, Tula 17880, 17765, Lvov 11750, Kenga 11960, Frunze 21530, Ryazan 17765 and Moscow 15535, 11630, 7130, 15525, 15210. Well done!

CECIL SYMMES Wellington has QSL'd BBC-UK 21710 & RM 7380, 12010. Good luck on the big trek Cecil!

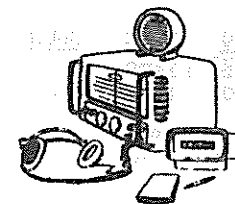
PETER JONES Hamilton is another lucky one with 4 new countries verified in January - Manus 3905, Bangladesh 15400, DW Montserrat 9545, Saudi Arabia 15060. Also RFI 15360, Kiev 17880 w/pennant, RNZ 11935 w/pennant, P&P 15460, DW 21620, Tashkent 6025, HCJB 11820 17885, 15285, RM 17805, RN Bonaire 15235, RA Shepp 21525, RA Lynd 15290, ORU 21475, 15175, 17730, ORF 5945, 9770, Lisbon 17880, Peking 17625, Oslo 9590 and Spain 7105. 41 stations logged in January. (Peter please note we do not need lists of logs in this format. They should be submitted as items for Bandwatch. Ed)

BRYAN CLARK Auckland has 5 reports away and QSLs from Paris 21515, Manchuria 4925, Vienna 21500, RM Tbilisi 21715, Armavir 21545, Vinnitsa 21555, HCJB 26000 test - for QSL number 1300.

SHORTWAVE BANDWATCH

with BARRY WILLIAMS of Auckland

Our thanks to Bryan Clark and Stuart Forsyth for doing the Shortwave Section last month while John and I were enjoying our holidays. The prize logging this month goes to Leigh Morris with the 50 watt Surinam station, R.Apintie 4794 khz. Along with Peter Jones, Leigh has also heard Iceland 12175 khz, a very rare catch. While from Australia Chris Martin advises that Transkei has been heard on 3950 khz. Of interest is Duncan Fraser's observations on 21480 khz. Just noticed that this month our contributions range from 2310 to 26020 khz almost the limits of the SW bands.



All times GMT (add 13 hours for NZ Daylight time) Frequencies in Khz.

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITIALS
2310	1310	CHINA	Yunnan	Good signal	RS
2340	1203	CHINA	Fuzhou	excellent signal relaying R.Peking.	RS
2376	1205	PAPUA NEW GUINEA	R.Chimbu	Good signal	RS
2410	1207	PAPUA NEW GUINEA	R.Eastern Highlands	Fair signal	RS
2415	1213	CHINA	Zhejiang	Fair signal	RS
2450	1217	PAPUA NEW GUINEA	Western Highlands	Fair signal	RS
2460	1225	CHINA	Yunnan	Good signal	RS
2468	1229	PAPUA NEW GUINEA	R.Northern Districts	Excellent copy.	RS
2475	1232	CHINA	Kangzou	with a poor signal	RS
2600	1645	CHINA	Fuzhou (PLA)	with a strong signal.	RS
2745	1646	KOREA NORTH	Sinuiju	Fair strength	RS
2850	1245	KOREA NORTH	Pyeongyang	Time signal and news at 1300	Fair sig. RS
3000	1700	CHINA	Fuzhou (PLA)	good signal // 2600 khz.	RS
3392	1500	INDONESIA	Tanjung Karang	with Indonesian Music. News relayed from Djakarta at 1500.	AC
3915	1815	SINGAPORE	BBC	Poor with English news.	CS
3945	0832	NEW HEBRIDIES	Vila	Fair in English with Shipping news.	CS
3950	1900	TRANSKEI	Capital Radio	Peaking with Eng. news. Commercials, Music in a mellow Rock format.	CM
3965	0730	FRANCE	Allouis	4 KW, In clear most nights.	DM
4035	1741	CHINA / TIBET		Lhasa with Peking relay. Fair with music till s/off 1753	BC
4794	0830	SURINAM	R.Apintie	fair with ID and Gospel prog. in Hindi. 0930 music and Anno.in Dutch. ID " Dit is R.Apintie "	LM
4820	1745	USSR	Khanty Mansiysk	HS fair in RR. // 4850 khz.	CS
4832	0650	COSTA RICA	R.Reloj	fair with SS music and time annos.	CS DF
4843	0659	CONGO	Pointe Noire	No positive ID. Poor in FF and vernacs. S/on with interval signal.	DM
4845	1800	MAURITANIA	Nouakchott	Good in French. Also heard but with poor signal with QRM & QRN	DM CS
4850	0900	SURINAM	Paramaribo	Multilingual ID including Eng. Dutch DJ and Pops.	LM
4875	0645	COLOMBIA	R.Super	Medellin, V.good with usual IA music	DF
4904.5	1645	CHAD	N'Djamena	Fair with Vernaculars	DM
4915	0617	GHANA	R.Ghana	Vernacs. Occasional brief drum music. "R.Ghana" mentioned occasionally.	DF
4920	1725	INDIA	Madras	Good signal. Eng. news at 1730.	JS
4934	1800	KENYA	Nairobi	Very good with English news	DM
4945	0645	COLOMBIA	R.Clossal	Spanish music. Time annoc. Good sig.	DF
4968	1330	SRI LANKA	Colombo	Gospel prog. followed by SIBC an time annoc. Hrd. to s/off in Eng. 1745. Full ID and Nat. Anthemn.	AC BW

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITIALS
4985	1630	MALAYSIA	Penang	Very good at sign off . 1400 World news	AC DM
4990	1804	NIGERIA	Lagos	Excellent in English . Heard with soccer Nigeria v Senegal at 1730 . 1800 news , good	CC
5010	1623	SINGAPORE	Radio Singapore	Good English s;off 1630 .	DM
5020	0630	SOLOMON IS.	Eng. news . Good strength but only fair copy	DF	
5050	0630	FEHU R.Loreto	Iquitos . VG with SS music and annos.	DF	
5050	1832	TANZANIA	Dar es Salaam	Good in Swahili	DM
5052	1600	SINGAPORE R.	Singapore	Eng. Poor signal but good copy .	FB
5950	0758	GUYANA	Georgetown	ID in English . Time pip on the hour then Indian music . GBS heard during 3rd West Indies/Aust. test . Poor copy . Heard till 0830 when Chinese station open trans.	BW DF
5955	0659	HOLLAND RN		ID in EE to Europe at s/on . Good signal .	DF
5965	1020	BOLIVIA R.Nacional	(tent.) Full R.Nacional ID at this time otherwise usual Latin music . QRM , fair copy .	AW	
5975	0601	GT.BRITAIN BBC	Eng. World news . Poor due to Arabic QRM	CS	
6030	0700	GERMANY FED. REP.	Suddeutscher .Local and World news in GG . VOA off at time .	LM	
6085	0700	GERMANY FED. REP.	Bayerischer Rundfunk , Mews in German .	LM	
6090	1800	NIGERIA	Kaduna , Poor with English news .	LM	
6100	1834	YUGOSLAVIA	Belgrade , English news , Fair .	CS	
6130	1630	GHANA	Accra , Fair with English .	LM	
6180	1910	CYPRUS BBC	Eng. news and commentary , Very poor .	CS	
6190	0720	GERMANY FED. REP.	Sender Kreis , Berlin , Local type music	LM	
6215	1850	ANDORRA R.	Andorra , Music and annos. in French . 1900 AWR Gospel program in German . 1930 in EE . ID and Gospel . Relig. music and annos. in French . Sat. & Sun. only	LM PR	
6383	1220	MONGOLIA	Ulan Bator , ID ,News in EE . Good strength , FTTY QRM 12068 good in // .	LM	
6550	1818	LEBANON V.of	Lebanon , Fair in Eng. Heard 1st Feb.	CS	
7120	1500	LYBIA	Tripoli (via Malta) Eng. news & Commentary ,QRM Kuwait	LM	
7155	0620	JORDAN	Amman , Fair , Arabic music & annos.	LM	
7155	1800	VATICAN R.	Vatican , IS & ID then Lituanian . 1815 Jamming .	CC	
7165	2145	GERMANY FED. REP.	? RFE , EE Svce. 2145-2200 ,Fridays only during normal Czech Service .	BP	
7215	2045	TURKEY	Ankara , Home Service on new frequency .	BP	
9009	2015	ISRAEL IBA	Well heard in English . // 9425 ,9815 khz .	FB	
9022	2045	IRAN	Teheran , Voice of Iran , Fair in Farsi	AW	
9520	0800	Spain	SFR , Very Poor in Spanish	MM	
9550	2120	TURKEY	Ankara , New freq. English . QRM from USSR .	BP	
9560	2000	BULGARIA	Sofia Arabic transmission mixed with Moscow	AC	
9560	0700	SWITZERLAND	SRI Dateline in EE . Good signal .	LB	
9575	1000	KOREA SOUTH R.	Korea , English . Listeners Letter , Good sig.	LB	
9615	1013	PHILIPPINES	DUHA , Philippines BC.Svce . Fair - good some days	LM	
9630	0615	Spain	SFR , News , Very good reception .	MM	
9670	2030	PORTUGAL R.	Trans Europe , with IBRA Radio program in Norwegian on Fridays . Strong signal .	CC	
9700	1940	GREECE	VOA , Poor in English	CS	
9715	0750	HOLLAND RN	' Top 40 Hit Chart ' English ; // 9760	MM	
9780	0914	USSR RM	World Service // 15130 . Both fair	RW	
9833	1515	HUNGARY R.	Budapest DX prog. Tues.& Fri. Strong signal	CC	
10040	0905	VIETNAM R.	Vietnam , Eng. news fair reception .	RW	
11725	0830	CHINA R.	Peking , News commentary , English , Good strength .	LB	
11735	0900	GUAM KTWR	s/on in Mandarin , ex 19830 .	AC	
11745	0858	TAIWAN	Taipei , Station announcement & chimes . Prog. Mandarin	AC	
11755	0900	ARGENTINA	El Mundo , Chimes and station announcement	AC	
11765	1030	INDIA AIR	Bombay , s/on with local program in Hindi .	BP	
11765	1816	BANGLADESH	Dacca , Eng. ID 1820 , Fair signal	CS	
11770	1900	AUSTRALIA RA	, Fair - good . varies daily	CC	
11778	0830	KOREA NORTH	Pyeongyang , Eng. political commentary .//9977 khz	LM	

FREQ	TIME	COUNTRY	STATION	RECEPTION & PROGRAM DETAILS	INITIALS
11785	0230	GERMANY FED.REP.	DW	German/Spanish lessons	Fair . JS
11790	0005	USA AFRTS		English news , Fair	CS
11815	0905	BRAZIL R.	Brazil Central , Full ID 0905 , Strong signal	DF	
11830	1600	KOREA SOUTH R.	Korea in English with news , Good signal	CC	
11845	2000	NEW ZEALAND	RNZ , with news , Good	CC	
11835	0900	URUGUAY R.	El Espectador , Good level with Spanish news .	LM	
11840	0850	GUAM KTWR	Eng. Gospel with a very strong signal .	CC DF	
11845	0423	CANADA RCI	, Very strong with EE transmission	DF	
11875	0930	JAPAN NHK	, good sig. in Eng. Industrial scene .	LB	
11900	0700	ECUADOR HCJB	, English , Very good reception .	MM	
11905	1900	CANADA RCI	, Very strong EE , // 15265 khz	CC	
11910	0551	SPAIN SFR	, News , good in English	JW	
11915	0435	ECUADOR HCJB	, Eng. Religious program , Poor .	CS	
11925	0500	PORTUGAL	Lisbon , Strong English . Off 0530	JS	
11925	2328	CANADA RCI	, " Around the World in Shortwave " , Good .	JW	
11955	2340	OMAN BBC	, English Drama , Fair	CS	
11955	0740	GT.BRITAIN BBC	, 0745 World Radio Club , Good	CS	
11955	1840	SEYCHELLE	, Port. closing at 1900 .	AG	
11955	2030	TURKEY	, Ankara ,New sched. withn English at this time .	BP	
12175	1200	ICELAND	Rikisutvarpid , Heard to 1258 on 2nd Jan . Fair for first 15 minutes then difficult copy . Icelandic Folk music then news PJ		
0840		ICELAND	Reykjavik fair with test tape in English . " This is Radio Iceland " (Probably Utility test tape at this time . Ed.)EM		
1230		ICELAND	REYKJAVIK , Fair level with commentaries in Icelandic with ID's .	LM	
15070	0831	GT.BRITAIN BBC	, World Service , fair .	JW	
15075	1900	AFGHANISTAN	Kabul , English announcement " Democratic Rep. of Afghanistan " and anti- USA propaganda .	DM	
15100	0614	GERMANY DEM. REP.	News in English , Weak sig .	LB	
15105	1900	ISRAEL IBA	, s/on in Hebrew . Very strong .	DM	
15115	0230	ECUADOR HCJB	, " DX Party Line " Teusday , good .	CC	
15120	1500	VATICAN R.	Vatican , Heard at very good level in English .	FB	
15130	0830	USSR R.	Moscow , Good signal with music . World Service .	LB CC	
15130	2050	USA WYFR	, Good closing to Europe in English .	JS	
15135	0030	PHILIPPINES ?	R.Veritas , s/on in EE . DE program Sats. //17790 khz .	LM	
15140	1945	KUWAIT R.	Kuwait , New freq. but QRM from VOA . // 11990 khz	BP	
15175	0620	NORWAY	Oslo , Eng. to E.Africa , Middle East , W.Coast NA . s/off 0630 . Apparently Mondays only .	DF	
15220	1600	SWEDEN	Stockholm , Good with news , ex 15240 khz /	CC	
15225	0630	TUNISIA	Tunis in Arabic . Very strong .	CC	
15225	0425	TURKEY	Ankara , Home Service interval signal , // 9515 khz	AC	
k5240	1430	GERMANY DEM.REP.	RBI , English with Mailbag , Good sig.	CC	
15250	0000	CHINA R.	Peking , Hakka till 0025 . New frequency .	BP	
15325	1430	SEYCHELLES	FEBA ID in Eng. Then Indonesian	CC	
15345	0145	NEW ZEALAND	RNZ National program , good .	CC	
15360	0520	SEYCHELLES	FEBA , Eng. service on Sundays . extended sched .	CC	
15390	0720	SWEDEN R.	Sweden , Home service , Swedeish .	CC	
15425	2200	ISRAEL IBA	, Good with French and English transmission .	CC	
15430	1828	USA AFRTS (BY)	Fair with Sports news .	CS	
15440	1900	USA WYFR	, Good in Eng. 2000 Russian .	CC	
15445	0300	BRAZIL R.	Nacional , Very good with Portuguese program .	SG	
17695	2030	HOLLAND RN	, ' Newline ' to West Africa , Fair in Eng.	JW	
17700	1200	CHINA R.	Peking , Good reception , English .	MM	
17700	0700	GERMANY DEM. REP.	RBI , South East Asia Service , Good Eng.	JS	
17750	0630	SOUTH AFRICA	RSA , Poor in English .	MM	

FREQ	TIME	COUNTRY	STATION	PROGRAM & RECEPTION DETAILS	INITS
17755	2208	JAPAN	R.Japan	News in Eng. General Service, Poor	JS
17760	1815	SWITZERLAND	? SRI	, Poor due to RCI QRM, // 15125 khz.	PR
17770	0100	Guam	KTWR	, Eng transmission, Religious, weak signal.	LB
17785	2200	USA	VOA Greenville	, 'Calling Africa', Good sig.	CC
17790	0930	CHINA	? Voice of the Malaysian Revolution	, Boring political commentary in English. Good level. // 11830 khz fair.	LM
17795	1700	FRANCE	RFI	, Very strong to Africa. 'Paris Calling Africa'	CCJS
17825	1500	VATICAN	Vatican Radio	, IS & ID then Eng. program. // 15120, 11810 khz all good.	CC
17825	0930	USSR	RM	, World Service, Fair with Eng. news.	CS
17880	2000	PORTUGAL	Lisbon	, IS & ID in Portuguese, s/off 2030 with ID.	CC
17890	0100	AUSTRALIA	RA	, Excellent signal in English.	LB
17900	1700	VATICAN	Vatican R.	English to Africa, // 15120, 11830 khz	CC
21465	0833	FINLAND	Oslo	, Good in English	CS

21480	0710	DUBAI R.Dubai (Some interesting observations made by Duncan) 19 Jan. Carrier varying fair to V.Good. At 0710 very short bursts of speech. unreadable. Carrier again and at 0720 strong "where would you like it - no.3". Possibly US technician? 0727 R.Nederland s/on. 30th Jan R.Ned. s/off 0724 in Dutch then 0725 R.Ned IS. 31st Jan Carrier again till 0725 R.Ned IS.			DF
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21485	0855	USA	VOA (BY)	, Station ID 0900, World Report, Fair	CS
21485	1430	PAKISTAN	R.Pakistan	, Eng. transmission. Good // 17910 khz	CC
21500	1026	VATICAN	R.Vatican	, Excellent with Japanese, Tues, Thurs, Sat. only. S/on with news.	BC
21525	1515	HUNGARY	Budapest	, IS at good level.	CC
21530	1835	USSR	RM	, World Service in Eng. // 21590 khz, good.	CS
21545	0622	KUWAIT	R.Kuwait	, Good - fair in English.	CS
21585	0900	AUSTRIA	ORF	, Fair with 'Austrian SW Panorama', Eng. Sun only	LM
21590	1500	GT.BRITAIN	BBC	, World Service, // 21710, 21550 khz, good.	CC
21630	2030	HOLLAND	R.Nederland	, 'Studio Six' in Eng. Good signal	LB
21645	0612	USSR	RM	, Fair in English.	CS
21660	0615	CYPRUS	BBC	, Fair with English news commentary.	CS
21670	1230	BANGLADESH	Dacca	, Eng. news. good level with 15285 khz in // . Poor due to jamming.	LM
21705	0729	CZECHOSLOVAKIA	Prague	, Testing for Asia & Pacific at very good level. Better than 21700 khz where they have since returned.	BC
21735	1500	MOROCCO	Tangier	, Rabat in Arabic with ID.	CC
25790	0725	SOUTH AFRICA	RSA	, French until 0750 s/off.	SG
26020	0340	ECUADOR	HCJB	, peaks around this time some days. Also noted at 0645 at good strength several nights. Signals generally weak - fair and variable from day to day.	DFLB
26040	2030	USA	VOA Greenville	, Very good with Breakfast Show. Good.	AW

Our thanks to the following Bandwatch contributors;

AW Alex Wellner	BW Barry Williams	CS Cecil Symes	AC Arthur Cushen
DF Duncan Fraser	SG Steven Greenyer	LB Les Boyd	BC Bryan Clark
CM Chris Martin	CC Colin Campbell	LM Leigh Morris	JW Jim Webb
JS Jack Searle	PR Paul Rawdon	MM Mark Murrell	DM David Mann
RW Robert Webber	RS Ron Service	FB Paul Bellett	PJ Peter Jones
BP Bob Padula	Victoria Aust		

Our thanks to the regular contributors. To the newcomer; don't be backward in sending in your loggings. We endeavour to print as many contributions as room permits. Provided it has not appeared in the previous months Bandwatch it is very likely to be published. So lets see your name in print. To the top DXers, all very well seeing the QSLs coming back but what about telling others of your loggings. Lets make next month a record for contributors.

ARTHUR CUSHEN'S SHORTWAVE¹⁵ REVIEW

Gospel stations feature this month with reception of Guam, Seychelles, and Swaziland on new frequencies. Afternoon signals are improving as we move away from mid-summer reception. This information is part of the broadcast on Radio New Zealand medium and shortwave on Sunday February 3, 1980 at 0915GMT. All times are GMT, add 13 hours for New Zealand Daylight Time. All frequencies are in kHz.

Andorra: Adventist World Radio heard on 6215 over Radio Andorra and broadcasting daily 1900-1930 in German, 1930-2100 in English. Verification from AWR Lisbon, power 3kW (Ray Crawford).

Brazil: Radio Nacional, Brazilia 15125 has English 2000-2100 but poor reception in New Zealand, signal is mixed with Berne.

Bulgaria: Radio Sofia on 9530kHz replacing 9765 with English 0430-0500. 9560kHz opens 2000 in Arabic but mixed with Radio Moscow World Service.

China: Interesting signals from regional stations have been heard. Harbin, 4925 with English lessons 0930 verified with a post card in English in 15 days gives other frequencies 4840 and 5950. The verification came from The Heilongjian Peoples' Broadcasting Station.

Fuzhou 4975 heard with classical music and English recordings 1330-1400GMT.

Denmark: Copenhagen 15165 opens 0854 with interval signal but blocked at 0900 by Peking.

Guam: KTWR heard on 11735 opening at 0900 in Mandarin and with English lessons at 0915, a frequency change from 17830. On 11840kHz KTWR heard testing 0815 and opens at 0830 in English.

Guyana: Signals noted on 5950 with relays of the cricket tests between West Indies and Australia, to closing at 0700GMT. During February the West Indies team will be touring New Zealand and the close down of any relay would be earlier.

Malaysia: Penang 4985 heard with English news real at 1300 and news at 1400.

Seychelles: FEBA 11955kHz heard at 1845 with a programme in Portuguese till closing at 1900GMT, gives address for reports to Lisbon. Has been noted on 17785 replacing 17715, 0700-0800 according to Alok Gupta, Calcutta.

Swaziland: Trans World Radio on 11965kHz heard opening at 1840 with station announcements in English and Portuguese, then follows a broadcast in an African language.

Sri Lanka: Colombo 4968 heard with Gospel programme at 1300 and at 1330 announces as SLBC and local time 7pm, further Gospel programmes continue.

Turkey: Ankara heard with the new English transmission 2030-2130 on 9550 and 11955. Also heard on 15225kHz opening 0425 with interval signal and then at 0430 a relay of the home programme with the same transmission on 9515kHz.

Yugoslavia: Belgrade on 15240kHz heard in English 1530-1600 also using 9620 and 15300kHz but the latter blocked by Paris, France.

Argentina: Radio El Mundo 11755kHz heard at 0900 full station announcement.

Pakistan: Radio Pakistan on a new frequency of 21780kHz English slow speed news 0230-0240, also on 17830, 21590kHz.

Nepal: Noted on 3425kHz with English 1435, news 1450, then weather and commentary.

Tibet: (China) Lhasa 4750kHz heard with Chinese programmes and popular English recordings 1330-1400GMT. Also uses 5935, 7170kHz. The Tibetan transmission 1100-1155 is now on 4035, 5995 and 9490kHz according to BBC MS but 9490kHz is blocked in this area by Radio Moscow Home Service.

..sign off..

with JOHN MAINLAND

VATICAN RADIO schedule for Asia, N.Z and Australia: 1030-1045 (Tue, Thu, Sat) 15400, 21500 JJ; 1500-1515 EE Weekdays, 1515-1530 Tamil, Hindi, Malayalam Weekdays 11810, 15120, 17825; 1730-1745 AA Daily 7250, 9645, 11740; 2150-2210 JJ (Mon, Wed, Fri, Sat), 2210-2225 EE Daily, 2230-2245 Chinese Daily on 9615, 11830, 15120. via Colin Campbell

RADIO NORWAY sked Nov. 4-Mar. 2 1980: 0700-0830 9590, *11850, 21730; 1100-1230 6015, 15345, *21730; 1300-1430 9595, *17840, 21730; 1500-1630 *15175, 21655, 21730; 1700-1830 11895, *11935, 15175; 1900-2030 *9590, 11850, 11935; 2100-2230 9590, 11850, *15175; 2300-0030 6005, *9590, 11870; 0100-0230 6005, *9590, 11870; 0300-0430 6185, *9550, 9610; 0500-0630 9645, 11850*, 15175. *250 kw others 100kw. EE last half hour Sun. via Colin Campbell

FEBA SEYCHELLES have ordered a 100kw SW transmitter in Sept 1979 to cost \$600,000 to install in Sept 1981.

FEBC PHILIPPINES, one of the short-wave transmitters is being doubled in power at Boacue base as well as new high gain aerials being built for broadcasts to China. In Southern Philippines two stns being upgraded. FEBC NZ has appointed Alistair Perkins of 48 Knighton Road, Hamilton as Executive Director, NZ.

FEBC Skywaves via Colin Campbell

SOUTH AFRICA On 1 January the SABC changed some of its domestic Service frequencies. The new sked is: EE 6115 0400 (Sat 0430, Sun 0500)-0615, 1625-2115 (Sat 2200), 11790 0620-1620.

Afrikaans 4880 0350 (Sat 0430, Sun 0500)-0520, 1755-2115 (Sat 2200). 5955 0350 (Sat 0430, Sun 0500)-0620, 1555-2115 (Sat 2200). 11885 0525-1750. All Night 3250 2200-0300 (Sun 0400). Radio Five 3250 0300 (Sun 0400)-0545; 1535-2200. 9680 0550-1530. via Colin Miller

TRANSKEI Capital Radio commenced official transmissions on 26 Dec using two MW tx's of 500 and 50kw on 603kHz and one SW tx of 10kw on 3950 & 7160. SW usage is approx., as follows: 3950 0300-0530; 1645-2400. 7160 0530-1645. via Colin Miller

AWR-ANDORRA sked wef 19 Nov on 6215 (3kw) 1900-2100 Daily 1900 German, 1930 EE. via AWR

AUSTRIA Since 3 Dec. 1979 the broadcast to North America 1230-1330 is on 21655 replacing 17860. via ORF
SAUDI ARABIA BSKSA sked Nov. 20 1979-Mar. 2 1980 AA 21545 1100-1700; 15060 1500-2300; 21605 1700-2300; 11950 0300-0730; 9720 1000-2300; 7220 1000-2300; 5875 1000-2300; 11870 0500-1500; 7290 0300-0830, 1000-2300. Holy Quran sked: 17815, 21625 0600-0800; 17890, 21625 0800-1100; 15240, 11685 1800-2100. Farsi 0300-0500 11910, 9685; TT 0400-0600 9580, 11685; Indonesian 1100-1300 17870, 21625; Bengali 1300-1400 15380, 17760; Urdu 1400-1600 15380, 17710; Swahili 1600-1700 17820, 21520; Somali 1700-1800 9520, 11910; FF 0500-0700 11855; EE 1100 (Thur, Fri 1000)-1300; FF 1600-1800, EE 1800-2100 on 11855. via BSKSA received by JM

AWR-ASIA New Bengali programme commenced January 8 at 1615 GMT on 11800 and 7190. Every Tuesday at the same time. Reception reports, from target areas and beyond most welcome. via RMI

CUBA Radio Havana EE: 0100-0450 11930, 11725; 0330-0600 11760; 0450-0600 11725; 0630-0800 9525; 1700-1800 *17765; 2010-2140 17855; 2050-2140 17750, 9770; 2200-2300 *7135. *Tx in USSR. via BBC MS

ISRAEL According to an announcement in the Voice of Israel's Ladino sce on 8th January, the Voice of Israel is to begin broadcasts during the night (according to GMT) to North and South America. They will be heard there at peak-hour listening time and will be inaugurated on the night of 31st January-1st February. BBC MS

VATICAN Vatican Radio increased its output to Europe from 7th January when it introduced a daily series of transmissions on 6190 from 0300-0615. Broadcasts are as follows: 0300 Romanian, 0315 Bulgarian, 0330 Albanian, 0345 Slovene, 0400 Croat, 0415 Czech, 0430 Slovak, 0445 Hungarian, 0500 Polish, 0515 GG, 0530 FF, 0545 EE, 0600 Italian. BBC MS

GUAM KTWR Revised sked Jan. 1 EE: 0815-0930 11840; 1430-1500 15365; 0000-0130 17770. via KTWR

LIBYAN RADIO sked 1 Dec. 1979-2 Mar. 1980: 21610 1000-1400, 17930 1000-1800, 15450 1400-2200, 15435 1500-1700, 15425 1000-1700, 15415 1000-1500, 15385 1800-2200, 11790 1700-2200, 11690 1700-0100, 6185 2200-0100. BBC MS

VOICE OF TURKEY Ex sce: 1200-1300 EE 17820, 11800; 1300-1330 Urdu 17820; 1330-1430 EE 17820; 1430-1500 Persian 17820; 1500-1600 AA 11880, 9665; 1800-1815 Romanian, 1815-1830 Bulgarian, 1830-1845 Serbo-Croat, 1845-1925 Greek all on 7170; 1930-2030 GG 11955, 7170; 2030-2130 EE 11955, 9550; 2130-2200 FF 11955, 9550. BBC MS