NEW ZEALAND RADIO DX LEAGUE (Inc.)

The New Zealand Radio DX League (Inc.) is a non-profit organisation founded in 1948 with the main aim of promoting the hobby of Radio DXing. NZRDXL is a founding member of the South Pacific Association of Radio Clubs (SPARC). The NZRDXL is administered from Auckland by:



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editor@radiodx.com with Mark Nicholls, Wellington

Welcome to the first edition of 2001. I hope you enjoyed the 52 page December issue which was packed with information and articles. This month we welcome Tony Kina as a new sub-editor of the broadcast.dx section. Please support Tony.

talkback@radiodx.com with David Ricquish, Wellington

Happy New Year. Welcome to the real 21st century. I just counted up how many pages were in the DXT in 2000, and we reached 424. A tribute to the editorial leadership of Andy Gardner and Mark Nicholls, and to all our members, all over the world, who continue to make the magazine such a great monthly read.

David Norrie, Auckland tells us about his Station of the Month: 'I caught Cuba's Radio Rebelde recently on 5045 at 0650, and if you like Cuban music (I do!), this is a good one. Indeed, Radio Marti on 6030 from 0700 onwards also plays some good stuff, but the jamming on this frequency makes it less pleasant." (Radio Marti is also heard over the next few months in mid-late evenings on 1180 AM, the site is Marathon Key, south of Miami.)

Radio website of the month is www.oldradio.com known as The Broadcast Archive, and maintained by Barry Mishkind. Content includes details about old receivers, and a growing collection of original material about U.S. radio history, as well as other countries (The New Zealand section is 20 years out-of-date unfortunately and very sparse) submitted by readers.

Archivist Jim Hilliker has a polished item on the History of Los Angeles Area Radio, fascinating reading for DXers downunder. KNX-AM 1070 is a regular in our evenings, and evolved from KGC licensed in August 1921, and earlier from amateur 6ADX., and is the oldest LA station, 7th oldest in the U.S.

Older members may enjoy the following, from Donald Kimberlin's article at the site entitled 'A Gringo and the Bay of Pigs Invasion' and relating his early (1961) days in Tampa-St.Petersburg, Florida:

The AM radio station I was Ass.CE at, WLCY-AM (1380) had been one of the 'Big Four' of the Tampa Bay area for more than 20 years, a network affiliate with hourly news, one of the stations the public knew would stay on the air in a hurricane to keep them informed 24

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Beginners Guide to MW DXing in NZ by Cliff Couch Pages 15-20	Featured Articles this issue: DXing Australia on Mediumwave by David Ricquish . Pages 38-41 EDXC 2000 Report Page 45	2001 a Space Odyssey by Barry Williams Page 44

Contribution deadline for next issue is Wed 7th February 2001 - PO Box 3011, Auckland

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hours. We worked to keep it that way.

Although we ran only 5000w on AM, we would occasionally get reception reports from Australia and New Zealand, where intrepid SWLs are common. It was near a sunspot peak, so we even ran a contest once, offering a small prize for the best tape of how WLCY sounded in Australia or New Zealand —we got about 100 tapes! We used a bit of the winning tape in promotional announcements during our daytime programming to impress the gullible public about how 'powerful' our signal was. It worked too!'

Talking about history, do you collect old World Radio TV Handbooks? A number of members have some excellent collections, very useful for checking what was being heard or on air over the years. Paul Ormandy suggests checking out a website dedicated to the WRTVH, with cover artwork photos, details of publication, and other news of interest to fans: www.nwlink.com~kc7ldp (Terry Palmerstein via Paul).

Martin Hadlow, Amman, Jordan drops a quick note and says it's a pity the club doesn't accept creditcards for membership payments. He says it would speed things up! (I think we're very close to offering this service to members Martin. As part of our drive for global membership in 2001, payment by VISA and Mastercard should be available very soon.)

A reminder to NZ members: the Santa Celebrates gift membership offer is open through February 28. Gift a membership to a friend or someone you want to introduce to the hobby. For just \$29.95 they get a wonderful starter package, and you have the chance to win twice. First, you could win the \$50 Dick Smith Electronics Gift Voucher. Secondly, your own renewal in 2001 is reduced to just \$29.95. Please use this offer as a way to introduce friends to the hobby as a Holiday Season gift. (Full details, December DXT).

Need a copy of LISTENING TO THE WORLD? This is the promotional brochure produced in association with Sony. Copies available from Adcom. Ideal to give to friends who may be interested in the hobby, and to your gift membership friend. Ask Adcom for copies now.

News from Pacific Islands Report this month: American Samoa has a new station, KKHJ-FM 93.1 which currently originates most programs in Dallas TX fed via Internet to the transmitter in Pago Pago. Format is Top 40, with local news and weather inserts, and ABC News net. Owned by South Seas Broadcasting Co, who also own a Mississippi network, and (silent) WVUV-AM 648. (see broadcast.news for details about plans to reactivate WVUV-AM soon).

Another new station last month is FM97 in Suva, Fiji. Located at Kinoya (Suva) and broadcasting to the city, FM97 plans to have a xmitter in the Lautoka area early this year, and another to cover parts of northern Fiji. Format is religious, owned and operated by U.S. based broadcaster World Harvest Broadcasting Network (WHBN).

WHBN have also been granted a licence for a 24 hour NSP religious TV network in Fiji, starting early this year.

Meanwhile, 3ABN (3 Angels Broadcasting Network) have been granted a similar nationwide TV licence for Papua New Guinea. 3ABN is an independent American religious broadcaster supporting the Seventh Day Adventist Church in Illinois. Until a production center is built in Port Moresby, programing is via satellite.

Paul Ormandy adds: new Papua New Guinea NBC outlet is at Alotau, Milne Bay on 1107 AM (Radio Australia/ARDXC).

With Communications Fiji also operating a 24 hour relay of BBC World Service on FM in Suva, the AM/FM/TV scene is lively around the Pacific, with plenty of new targets for FM

DXers at this time of the year!

In other news, former ZK2ZN (Radio Sunshine, Niue) GM Hima Douglas has resigned as MP in Niue, and takes up the new job of Niuean High Commissioner to New Zealand, based in Wellington. (I sense a guest speaker for a Wellington area get-together!)

Plenty of action in Hawaii too, according to the Hawaii Radio & TV Guide: KUAU-AM 1570 is back on air with religious format (see broadcast.news for details), and yet another religious station in the Pacific: KAWZ-FM (Twin Falls, ID) has a translator at Hilo on 88.1 and simply relays its existing programs. This could be a new trend for Hawaii, American Samoa and other islands, so keep your ears open for other similar arrangements.

New network is Travelhost Radio, on air in Kauai as KITH-FM (ex KAWT) with 100kW on 98.9 — format is visitor information including dining, shopping, activities, real estate and Hawaiian music. Linked to Travelhost magazine launching in March, the network moves to other islands later.

Familiar call KTOH returns to Kauai, on 99.9 FM (ex KAYI) and with Hits 99 ID and contemporary music format. Runs 100kW so FM DXers can have a go! Finally, KQMQ (690/ 93.1) has a new format also of 70s/80s dance/rock music and new ID as '93.1 The Q' (a good signal on AM at this time of year for DXers needing some Hawaiian QSLs).

Wayne Searle, Christchurch is looking for a copy of 'Radio Receiver Projects You Can Build' by Homer L Davidson (TAB Books, USA. 1993. ISBN 0-8306-4189-0). It features great SW radio circuits using the ZN414IC, and any info or circuits using the ZN414 are welcomed (costs covered). Wayne has also got some 30 pages of material already which he can email to members. Contact: 41 Everest Street, Christchurch or email: <u>wsearle@email.com</u> for more information or if you can help.

Michael Murray, St.Ives, England writes: Harry Weatherley (Melbourne) called recently to make sure I'm getting my DXT each month. Yes! Since joining a year ago, I've been pleased to renew my association with the NZRDXL. As former Secretary-General of the European DX Council, I had the pleasure of reading the DXT whilst the League was an Observer member of the Council. Following this I had many contacts with the late Arthur Cushen, who I was pleased to meet several times in North America. Season's Greetings to all members. (Nice to hear from you Michael, and thank you Harry for your sterling work for the League and the hobby in Australia.)

Paul Ormandy, Oamaru contributes some great websites to help your DX and SWL this month: for a greyline map (Topband Azimuthal Equidistant Map Generator) visit <u>www.pwl.netcom.com/~burtonpt/azmap</u> recommended by US DXer Bill Smith (W5USM); for a list of tropical band SW from 2300-5100 kHz, visit a free site maintained by Radio Finland QSLer Raimo Makela: <u>www.yle.fi/sataradio/tropical</u> which US DXer Glen Hauser finds very good, but excludes out-of-band tropicals and also includes the non-tropical 75m band.

SW Pirates are being heard here too: join <u>www.egroups.com/group/SWpirates</u> for regular discussion, and visit <u>www.fly.to/freeradio</u> for schedules, and other details to help you DX.

Martin Schoech, Merseburg, Germany sends details of SRS Deutschland which can be found at <u>www.listen.to/srs-germany</u> hosted at the server of the major clandestine site: <u>www.ClandestineRadio.com</u>. Subscribe to biweekly Clandestine Radio Watch. It's a busy world: CRW reports that Weekly Broadcasting Hours (WBH) in 2000 were up almost 23% worldwide. The biggest jump was in Africa, where broadcasts effectively doubled. In Asia, they were up 13%. Of the target countries, Turkey dropped off the list in 2000. The top 3 target countries are: Iraq, North Korea and Cuba.

Jack Fox, Mosgiel sends news of the 23 new AM/FM stations just approved for SE Queensland and Northern NSW: Day/night switching to higher power is approved for 4BC/ 4BH/4KQ; 4EB 1053 Brisbane converts to FM; new community station approved for 1197 Brisbane (5kW); new narrowcast stations approved are 1053 Brisbane (500w) and Murwillumbah 1593 (200w).

New commercial FMers are in Brisbane (2), Gold Coast and Nambour; community FMers are in Brisbane (2), Gold Coast (3), Nambour (2) and 1 each for Ballina, Beaudesert, Boondah, Byron Bay, Casino, Coraki, Esk, Gympie, Murwillumbah and Noosa. Expect all of these changes and new stations by mid-2001. A rapidly growing area, hence so many new services and new DX targets for your Radio Tour of Australia!

Trivia Corner: lowest authorised AM tower in NZ is 13m for 1530 Napier, the tallest tower is 220m for 2YA/2YC Wellington; lowest power authorised is 100w for 1422 Kingston, highest power is 158.4 kW for 2YA/2YC Wellington. (NZ Register of RF).

Bryan Clark, Auckland says 'it's increasingly hard for MW DXers to know the source of a broadcast, particularly with many studios run by computers! We continue to have Radio Sport not only relaying ESPN US sports overnight complete with AM calls, but also lapsing into extended relays of ABC Radio in Australia.

On January 5, when the ABC's relay of the 4th day of the final cricket test between AU and West Indies ended at 8.05pm NZDT, Radio Sport continued with a feature on global warming, a magazine feature, ABC News at 9.00pm and so on. Pity those of us stumbling upon what we initially suspect are new US or AU stations!

Almost DXing from space for our 2001 A Space Odyssey theme, Bryan adds: Some airlines carry live local radio via inflight audio. On a recent flight from Australia, I monitored the in-flight audio feed of ABC National from takeoff in Sydney at 0745. I'm sure it was 2BL-702 because by 0930, the ABC signal had gone and Radio Pacific-702 in Auckland was there instead! That would have made a novelty QSL! (With live to air radio and TV services via satellite to aircraft now operational, has anyone else tried inflight audio DX?)

And that's it for this month. Another windless and hot day in Wellington, where your news, notes, observations and opinions on any radio DX topic are always welcome. Join us next month for more. Ciao.

bandwatch.under9 @radiodx.com with Ken Baird. Christchurch NZ

Please note that all frequencies should be in Kilohertz and, <u>time in UTC</u> (= GMT = UT), # indicates reception report sent. For reasons of accuracy some positive ID from the station heard is desirable, otherwise the ID of the station heard should be shown as tentative. Similarly for languages - either IDed, Presumed or Unid. The country name should also be clearly stated, please don't use abbreviations. Also, would you please add the date of logging to your information.

KHz 3235	UTC 0903	Country, Station, Programme, & Reception Details PNG, R West New Britain fair in EE and Tok Pisin with news
3279.6	0930	and weather, ID and news at 0913 — KVB 18/12 ECUADOR, L V del Napo Tena ID then relig prgm in Quecha dialect, fair — LM 29/12
3310	0852	BOLIVIA, R Mosoj Chaski v good for our Summer, lots of IDs with numerous mentions of "dollaros" — DN 20/12
3365	0902	PNG, R Mline Bay fair in EE with PNG National news, background hum — CC 11/12
3366	1900	GHANA, GBC with Time bpips, ID and election results in EE, good with 1930 ID as GBC — LM 28/12
3385	0905	PNG, R East New Britain very fair in EE with news and weather, ID, news from 0912 — KVB 12/12
3915	1653	SINGAPORE, BBC WS fair in EE with football results, 1659 ID, 1700 news headlines — KVB 23/12
3960.5	1055	INDONESIA, RRI Palu fair in Indonesian with ID. Other RRI stns noted at this time were 3987.2 Manokwari, 3264.7 Bengkulu, 3344.8
3978	1043	INDONESIA, RRI Pontianak, Kalimantan fair in Indonesian with ethnicTernate (excellent signal), 3214.9 Manado — DN 25/12 choir and pops. 1107 refs to "Pontianak", "Kalimantan",
4319	1630	then news — KVB 14/12 DIEGO GARCIA, AFN in USB fair but under severe CW QRM — HJS
4389	0907	PERU, R Imperio, Chicaylo with ID as "Radio Imperio" — DN 20/12
4460	1653	CHINA, CPBS Beijing good in Chinese with music, 1700 T/S, ID, news — KVB 11/12
4725	1125	MYANMAR, R Myanmar fair in vernac with western music, 1154 radio play or discussion, 1200 ethnic pipes, ID "Myanmar"and later refs to Yangon. 1212 radio play contiued, some QRM — KVB 3/12
4782.9	1830	MALI, R diff Malienne Bamako with long tribal songs in vernac, 1920 local ID and greetings in vernac, fair (no sign of 4835) — LM 28/12
4785	0949	BRAZIL, R Caiari with full ID and co-channel with some dreadful music — DN 28/12
4800 4800	1405 1653	INDIA, AIR Hyderabad fair with Hindi singing — KAB 9/12 INDIA, AIR Hyderabad fair in EE and presumed Hindi, 1700 music and spoken prgm, 1715 educational science prgm
4800.7	1102	in EE — KVB 18/12 ECUADOR, R Oriental ID amidst Ham QRM on LSB, gener ally noisy — DN 16/12
4800.7	1110	MEXICO, XERTA here again at a good level in Spanish — IC

4805	0905	BRAZIL, R Diff do Amazonas weak in Portuguese but no ID — DN 15/12
4814.9	1015	ECUADOR, R El Buen Pastor Loja in Quecha with messages and folk songs. No ID but frequent mentions of La Voz and
4000	1410	Loja , poor — LM 29/12
4820 4845	1410 0400	INDIA, AIR Calcutta fair with Hindi singing — KAB 9/12 MAURITANIA, R Mauritanie fair in Arabic, verified by Glenn Hauser,
-0-5	0400	new frequency, in Arabic, French and English, off at 0900 — JSB 24/
4876.8	1050	BOLIVIA, R La Cruz del Sur, La Paz with relig prgm, 1100 ID , prgm in mostly Indian dialect — LM 28/12
4881	0957	PERU, R Comas (presumed) s/on at 0957 and heard through to 1115 with huaynos, no ID and strong splatter from Port Moresby made ID very difficilt. A move up from 4880.8?? — DN 25 & 28 /12
4890	0835	PNG, Port Moresby poor with island style music in EE — KAB 15/12
4904.8	1013	PERU, R La Oroya pumping signal, lively Spanish sound, ID at 1014 — DN 28/12
4915	1745	KENYA, KBC Nairobi with live phone — in show with requests, in Swahili, 1800 ID then news in EE, s/off at 1904 — LM 29/12
4920	1657	INDIA, AIR Chennai fair in EE and Hindi with ethnic music, 1723 sud denly off air, resumed and went from EE to Hindi — KVB 10/12
4925	1158	INDONESIA, RRI Jambi at good level in Indonesian with local ID — IC
4960	0853	VANUATU, R Vanuatu v good with pop music — DN 20/12
4975	0840	BRAZIL, R Mundial (tent) poor in Portuguese with comment and latin music. Mention of Sao Paulo — KAB 15/12
4976	1900	UGANDA, R Uganda with EE ID followed by T/C, news , good in // 5026 — LM 27 & 28/12
4980	0919	VENEZUELA, Ecos Del Torbes good with lovely music — DN 20/12
5025	0647	CUBA, R Rebelde with lovely distinctive Cuban melodies and repeated "iasthora" , ID at 0650 DN 26/12
5025	0655	CUBA, R Rebelde poor/fair in Spanish with music and news, ID 0701 — KVB 23/12
5025	1020	PERU, R Quillabamba good with ID with ease. Other Peruvians present at this time were 5678 Illucan (poor), 6673.54 (possibly Andina, fair better on USB), 6797.61 Ondas del Rio Mayo (powerhouse signal) — DN 28/12
5030	0710	COSTA RICA, World University via RFPI with Dr Gene Scott, poor and noisy — HJS
5070	0815	USA, WWCR fair with ID then pleasant Christmas music (for a change!!) — KAB 19/12
5745	0600	USA, WHRI Dxing with Cumbre in EE — JSB 9/12
5770	1500	MEXICO, R Chasqui on USB good in Spanish with ID — JSB 9/12
5825	0740	USA, WEWN good in EE with catholic relig prgm — KAB 15/12
5950	0730	USA, R Taipei Intl good via WYFR in Ee with cooking prgm — KAB 15/
5955	0830	NETHERLANDS, RN good in Dutch with news after ID, slight het —

		KAB 17/12
5975	0740	GERMANY, V of Hope good in EE with relig interview. Also on 17/12 at
J77J	0/40	0830 with full ID — KAB 15/12
5005	0000	UNID, strong signal in EE with pop music, abruptly off at 0827, no ID
5985	0820	— KAB 17/12
E00E	0000	
5985	0822	BELGUIM, RVI good in EE with ID and female vocalist — CC 11/12
5985.8	1430	MYANMAR, R Myanmar fair in EE with gong IS, ID, then Burmese news,
F00/	1400	better LSB (QRM from 5990) — KAB 28/12
5986	1430	MYANMAR, R Myanmar fair in EE but very hard copy, only odd words understood — HJS
(005	0000	
6005	0820	ASCENSION IS, BBC WS poor in EE with co-channel QRM — KAB 19/12
6020	1000	AUSTRALIA, R Australia v good in Tok Pisin but with co-channel QRM
(000	1005	— JSB 8/12
6020	1825	MADAGASCAR, RN fair in EE with news after IN at 1830 — KAB 9/12
6030	0808	USA, R Marti fair in Spanish with Latin music and Christmas jingles, ID 0828 — KVB 24/12
6050	1200	BRAZIL, R Guarani good in the clear in Portuguese with Sunday church
		service — JSB 10/12
6070	0943	CHILE, R Voz Cristiana fair in Spanish with relig music and spoken
		prgm, ID 0958, off at 0959 KVB 7/12
6085	0800	GERMANY, Bayerischer Rundfunk in German with ID and news, 0806
		classical format, good — LM 30/12
6110	0500	CANADA, R Japan with monster signal in EE — JSB 9/12
6120	1100	JAPAN, R Japan/NHK good in EE — JSB 8/12
6150	1100	SINGAPORE, R Singapore Intl fair with QRM from China on 6145 —
0100	1100	JSB 9/12
6155	1930	AUSTRIA, ROI poor in EE with IS, ID then news and Report From Aus
0155	1700	tria — KAB 13/12
6160	1030	CANADA, CKZN with "seven CBC morning news", jumble of stns on
0100	1000	this freq but enough to know it was St Johns — DN 28/12
6175	0719	USA, BBC WS via Delano good in EE with item on death of Colin
01/5	0/1/	Cowdrey, ID 0730 — KVB 5/12
6185	0755	MEXICO, R Educacion fair in Spanish with choir music, 0757 sked/ID,
0105	0/33	0800 stn address in EE, 0801 classical guitar music — KVB 24/12
6195	1400	SINGAPORE, BBC WS good in EE with Asia/Pacific news — JSB 8/12
6195	1400	SINGAPORE, BBC WS excellent in EE with Sports then World News —
0195	1400	KAB 9/12
6249.5	2015	EQUATORIAL GUINEA, R Nacional De Guinea with Afro pops and Span
		ish announcements, best on USB to avoid RTTY QRM, sometimes
		blocked by Korea PDR — LM 28/12
6350	0745	HAWAII, AFN on USB with country music, v good — KAB 15/12
6750	0630	SOMALIA, R Mogadishu weak but clear in local language — IC 15/12
7070.5	1715	??? An S9 signal in unid language , possibly V of Mojahed?? — HJS
7165	1600	ETHIOPIA, R Ethiopia ID followed by 80's pops, 1630 fanfare ID fol
		lowed by news, 1700 in French . Good, 9560 blocked by V of Turkey,
		,

		11800 not heard — LM 30/12
7200	1400	JAPAN, R Japan/NHK good but mixing with Ham stn this morning — JSB 9/12
7235	1100	SINGAPORE, R Singapore Intl good in Malay — IC 17/12
7250	0730	VATICAN, R Vaticana good with catholic news in EE // 11740 — KAB
7255	0600	NIGERIA, V of Nigeria good but with muffled audio, news of Lagos and Nigeria — JSB 11/12
7255	0627	NIGERIA, V of Nigeria fair in Ee, 0628 sked, 0629 drums, 0630 news. 0657 ID and into French. — KVB 4/12
7255	2000	NIGERIA, V of Nigeria, drum beat IS, ID then EE news, good with muddy audio — LM 27/12
7265	0820	GERMANY, Sudwestfunk, Rohrdorf in German with 70's and 80's pops in EE and German, good — LM 30/12
7275	1753	SPAIN, REE fair in Spanish with ID and music. Surging and some QRM — Cc 12/12
7275	1900	STH KOREA, RKI fair in EE with ID, news, some QRM — KAB 13/12
7275	1925	SPAIN, REE fair in Spanish with comment and ID 1930 — KAB 9/12
7295	1820	MALAYSIA, Radio 4 with music in EE, ID at 1829 — KAB 15/12
7340	1920	CIS, V of Russia fair in EE with comment on news and music — KAB 9/12
7405	1300	CANADA, RCI good in EE — JSB 8/12
7405	1407	CHINA, CRI good in EE with world news and ID // 11675 weaker — CC
7440	1813	RUSSIA, V of Vietnam fair in EE with talk about Vietnam, rather scratchy — CC 12/12
7445	1115	TAIWAN, V of Asia good in EE — IC 17/12
7480	0540	COSTA RICA, RFPI new freq. With Glenn Hauser, fair with surging fades, QSY at 0603 — BDC 24/12

Thanks to all the contributors for this month. I would like to see a lot more contributions, don't be shy, you input is always welcome. All the best for Christmas and the New Year. 73's, Ken Baird

CONTRIBUTORS FOR THIS MONTH

BDC — Bryan Clark, Palmerston Nth, DR28, random wire: **CC** - Cliff Couch, Paraparaumu, ATS 803A, 60m horizontal loop, 2 x 30m wires N/S, E/W : **DN** — Dave Norrie, Green Bay, Auckland, AOR 7030, T2FD, 25m longwire with balun, 12m vertical : **HJS** — Jack Searle, Haumoana, Icom R71, 100m longwire, 19 & 60m dipoles : **IC** — Ian Cattermole, Blenheim, JRC NRD535, T2FD, Alpha Delta : **JSB** — Jon Standingbear, California, JRC NRD 345, Palstar R30, long wires and dipole : **KAB** - Ken Baird, Christchurch, R5000 & 20m wire, Drake SW2 & Eavesdropper trapped dipole : **KVB** — Kevin Brayshaw, Levin, Collins 51J4, HF Loops & 5MHz dipole: **LM** — Leigh Morris , Sth Australia, Icom R75, several Beverages.

Contributions to this column may be sent to PO Box 3011, Auckland or K A Baird, 10 Sarabande Avenue, Christchurch, 5. Ph: +64 3 352 6455, FAX: +64 3 354 1347, e-mail to **ka.baird@xtra.co.nz**

bandwatch.over9@radiodx.com with Andy McQueen

A Big Hello from Trentham where the sound of rifles hitting the target resound around the hills Yes our 120 year old rifle range is operating again much to the relief of shooters around the country. Welcome to the 21st Century and a Special welcome to League patron Jack Fox from Mosgiel and the return of long time contributor Colin Campbell from Hamilton Please note all times are UTC.

KHZ TIME COUNTRY STATION & PGM DETAILS INITIALS

9475 2137		2137	USA WWCR Nashville Fair on Thursdays with Glenn Hauser's "World of Radio" Fading out at 2155 28/12 BDC
	9495	0230	SWEDEN R Sweden Good in EE with 60 degrees North JSB
	9505	1715	GERMANY R Liberty in RR with comments Id "Radio Sloboda" at 1730
	9303	1715	S/off 1800 30/12 CRC
	0570	0005	
	9570	0835	STH KOREA RKI Fair in EE with pleasant music but slightly distorted //
	0-0/		13670 the same with Id at 0838 11/12 CC
	9596		SPAIN REE only Fair opening in EE but noisy HJS
	9615	8080	ALASKA KNLS Strong in EE with Id and plug for PWBR A bit scratchy 11/ 12 CC
		0810	Poor and noisy in EE HJS
	9620	0445	SPAIN REE V/Strong in SS with Mx Id at 0445 No sign of // 6125 or
			15160 1/1 CRC
97	0930	0	LITHUANIA R Vilnus Kaunas Chimes and Id " This is Radio Vilnius" EE
			news and features with commentary on commercial banking
			industry. Mention of new test transmission on 9875 at 0300 Fair
			signal via long path over Radio Australia 28/12 LMM
	9730	1348	VIETNAM V of Vietnam Poor in EE with News and Id Noisy and
	//00	1010	surging 4/12 CC
	9780.2	1840	YEMEN Republic of Yemen Radio Fair in EE but best in USB to beat the
	7700.2	1040	QRM A new address announced as
			Box 2371 but no location which I assume is Sana'a. #HJS
	0045	0440	
	9845	0449	
	0005	1000	0457 5/12 KVB
	9895	1800	HOLLAND R Telefis Eire via Dutch relay 30 minutes in EE with an All
			Sports pgm on Saturdays Only Fair with some QRM # HJS
	10620	0600	CHINA CNR4 Pr-Fr with Male announcer in non standard Chinese
			Some co-channel QRM Not in // with 17605 7/1 PWO
	11100	0607	CHINA CNR4 with Female announcer in Standard Chinese Closes at
			0615 QSY'd somewhere 7/1 PWO
	11600	0826	CZECH REPUBLIC R Prague Fair in EE Music with I/signal and Id //
			15255 the same 8/12 CC
	11605	1715	ISRAEL KOL ISRAEL Strong in EE with News and interviews to 1729 At
			1730 Id and announcements 26/12 CRC

9

11620	2133	INDIA AIR V/good in EE with report on Christmas customs including
		carols. Id & News at 2200 // 11715 had distorted audio 24/12 BDC
11640	1930	GT BRITAIN? World Beacon Good in EE with Id and address then
		gospel pgm AMQ
11655	1730	QATAR R Qatar Good in Arabic with Talkback through till 1830 block
		ing R Nederland in EE via Madagascar JSB
11690	1403	JORDAN R Jordan Good in EE with News and Id slight & QRM. 4/12
11710	0815	ITALY RAI Fair in Italian with Male singing // 9670 poor & // 21520 weak 11/12 CC
11720	1840	CANADA? Excellent in EE with S/off at 1858 then at 1900 up comes
=•		VOA with Border Crossings pgm Same transmitter? 27/12 AMQ
11734.4	1730	ZANZIBAR R Tanzania Zanzibar Strong in Swahili with several ment
		ions of president Cabille.
		Different pgm on 5050 whilst 6015 unheard 30/12 LMM
11745 18	50	GERMANY R Free Europe Strong in FM mode with East European
		Language Mainly a news format Id as
		"Radio Sloboda Europa" Closed abruptly at 1929 3/1 BDC
11800	0300	ITALY RAI Int. Opens in SS to Nth America Fair signal // 11755 to Sth
11005	0400	America with QRM for BBC Oman on 11760 at S9+ HJS
11805	0630	GEORGIA R Georgia Dusheti Noted after VOA signoff at 0630 ld as "Radio Georgia" then full rundown of transmission times & freqs.
		Muffled audio 29/12 LMM
11810	1600	JORDAN R Jordan with very good signal JSB
11925	0440	BRAZIL R Bandeirantes Fair in PP with ballads and Christmas pops
		and commercials with Id at 0444 26/12 KVB
11960	0630	JORDAN R Jordan Good in AA with talkback // 11810 also good 31/12
11990	1810	KUWAIT R Kuwait Strong in EE with talk about Kuwait's rulers Some
		QRM 12/12 CC
11995	0856	NTH MARIANAS ISLANDS VOA Strong in EE with session about pop
		music ld at 0858 11/12 CC
13362		GUAM AFRTS Fair in USB mode with talk in EE about US army 11/12 CC
13570	1758	USA WINB Red Lion PA Very fair in EE with religious pgm Id heard
	0100	1758 2/12 KVB
13650	2129 2130	Full Id and address given in English HJS CANADA RCI Sackville Very Good in EE with Business news 27/12
13030	2130	AMQ
	2158	Good closing in English HJS
13660	1930	SWITZERLAND SRI Sottens Good in EE and in // 11910 via Julich the
		same HJS
13700	1000	INDIA AIR Good with News in EE 17/12 IC
13735	1730	NTH MARIANAS ISLANDS R Free Asia Tinan Strong in Mandarin Id at
		1759
13750	1806	INDIA AIR GOS Fair in EE with Nx then commentary on the week in
		Parliament Id 1810 2/12 KVB
13765	1015	VATICAN CITY Vatican Radio Good with Mass 17/12 IC

13770	0250	PORTUGAL RFP Excellent in PP with id and an	them at 0300 then off
	HJS		

- 13830 0700 CROATIA HRT Deanover Fanfare Id as "Hvratkei Radio Program" News summary in Croatian Good signalalso on // 9830 30/12 LMM
- 15016 0800 UNKNOWN NUMBER STATIONS 2 Numbers station mixing both sending five letter groups both readable then both off at 0807 20/12 HJS (Maybe they were giving the SIS boys the winning lotto numbers — ED)
- 15125 2345 INDONESIA RRI Fair in Indonesian with Muslim Mx & Id at 2357 0000 I/signal and ceremonial speech then chanting. 26& 27/12 KVB
- 15135 2215 SRI LANKA? D/Welle Strong in Indonesian assumed via Trincomalee HJS
 - 2242 Fair in Indonesian with World News and then Music Several Id's 2249 Signoff 29/12 KVB
- 15140 0214 ECUADOR HCJB Good in SS to Americas and Caribbean HJS 0220 Good with Musica de Ecuador JSB
- 15160 0500 SRI LANKA VOA Relay Good signal in Arabic according to PWBR 1/1 CRC
- 15185.8 2015 EQUITORIAL GUINEA R Africa Bata Usual religious format in EE with pgm "Tower of the Loving God". Fair signal but under modulated. Also noted at1840 29/12 LMM
- 15230 2018 SAUDI ARABIA BSKSA V/good in Arabic with Qaran pgm HJS
- 15240 0030 AUSTRALIA R Australia Fair in EE with Feedback pgm interviewing Nigel Holmes R Australia transmission Manager on the expanding of pgms and transmission hours due to increased funding 29/12 CRC (That certainly is good news — Ed)
- 15240 1700 MOROCCO VOA Good in English JSB
- 15275 1845 SRI LANKA D/Welle Excellent in German to Sth America and Pacific HJS
- 15320 0430 MADAGASCAR Voice of Hope Fair with Id and religious pgm directed by the Sudanese Council of Churches beamed mostly to Sudan EE News and messages of peace with plenty of chorus Saturdays only / // 12060 Poor 30/12 LMM
- 15330 $\,$ 0800 $\,$ GUAM KTWR Very Strong in EE with religious pgm HJS $\,$
 - 0830 Fair in EE with Station address and Id 11/12 CC
- 15345 0152 ARGENTINA R Nacional Fair in SS with phone in by YL to OM Id 0202 and 0204 4/12 KVB
- 15360 0945 SINGAPORE BBCWS V/Good in EE with Waveguide pgm This radio hobbies pgm is on once a month and can also be heard at 1.45 Saturdays on BBC 1476 khz Auckland HJS (Which Saturday in the month is it Jack- Ed)
- 15365 0440 IRAN VOIRIB Excellent signal with Turkish programmes HJS
- 15380 0115 THAILAND BBC Strong in Hindi then Id and into Urdu according to WRTH. 30/12 CRC
- 15385 1945 USA KJES Vado New Mexico With EE scripture readings and chorus

			At 2000 a very young Male announcer "this is KJES Radio broadcast
			ing from the Lords Ranch Vado New Mexico 88072 Please email us of your reception <u>kjes@aol.com</u> " At 2001 S Id and then SS pro
			gramme. Fair level 28/12 LMM
	15390		SRI LANKA D/Welle V/good in English #HJS
	15415	2200	AUSTRALIA R Australia Strong in Indonesian with interview Then Id
			and News 29/12 CRC
	15420		SEYCHELLES BBCWS Fair in EE with some QRM HJS
	15425	0130	SRI LANKA R Sri Lanka Pgm in EE Listeners music requests At 0200
			UTC Time Pips and Time Checks with "7.30 Indian Standard Time This is the All Asia Service of the Sri Lanka Broadcasting Corporation"
			News and Sports then 60's and 70's Music. Fair to good level 30/12
			LMM
		0215	Very good in EE with religious pgm 6/12 IC
	15460		RUSSIA VORWS Excellent S9+ in EE with "Update" HJS
	15545		NTH MARIANAS ISLANDS RFA Tinan Fair in Laotian with Id in EE at
			0057 14/12 KVB
	15565		USA WYFR Excellent in Italian religious pgm HJS
	15640	2002	ISRAEL Kol Israel Fair in EE with News about peace proposals and
			web site address now accessible in Hebrew script Followed by
			weather and Id 2024 27/12 KVB
	15665		USA WSHB Opens in SS with Christian Science pgm Good Signal HJS
	15685		USA WWCR Tentative Good with religion but poor quality audio HJS
	15745	1911	USA WEWN Good in EE with mother Angelica in fine fettle "Are you suffering from the wrong decisions of others?" Id at 1955 27/12 KVB
	15820	0650	ARGENTINA Radio Continental Excellent in SS in USB mode Has some
	13020	0050	great lds 2/1 IC
	17505	1445	SWEDEN R Sweden Poor signal but good audio in EE with a feature
			on the Stockholm Film Festival 17/12 AMQ
	17550	1520	GERMANY? High Adventure Ministries Good in EE with Gospel Music
			17/12 AMQ
	17605	2010	NETHERLAND ANTILLIES R Nederland relay Strong in EE with news and
i			nterviews Id at 2015 and at S/off 2025 29/12 CRC
	17620	1414	FRANCE RFI Good in EE with sports news and Id // 17680 stronger 4/
	17/40		12 CC
	17640		GT BRITAIN Excellent with Middle East schedule HJS
	17650	1758	USA WHRA Good in EE with Id and address 25/11 also heard at 2025
	17660	2028	with Bible teaching and Id 28/12 CRC ECUADOR HCJB Good in EE to Europe #HJS
	17670		INDIA AIR Good in FF with Indian music 30/12 AMQ
	17740		PHILIPPINES VOA Fair in EE with Nx // 17820 similar Id at 0230 7/12
	.,, 10	0200	KVB
	17760	2030	ECUADOR HCJB Strong in English with Id 28/12 CRC
	17795	1930	ECUADOR HCJB Strong opening in Czech and // 15550 the same HJS
		2030	Strong in Japanese after Id in English 29/12 CRC

17825	2150	JAPAN NHK /R Japan Good with Commentary in EE HJS
17830	1915	ASCENSION ISLAND BBCWS Good to Africa in EE HJS
17880	0141	NTH MARIANAS ISLANDS RFA via AWR Saipan Fair in Chines e to s/off with ID at 0158 KVB
17850	1620	FRANCE RFI Good in EE with Press review and Spotlight on Africa Id at 1655 30/12 # AMQ
17885	1000	KUWAIT R Kuwait Very good with English announcements 15/12 IC
17895	1009	INDIA AIR GOS Fair in ÉÉ with comment on resignation of Israel PM Id at 1015 then ethnic Music 13/12 KVB
18275	1410	USA VOA Good in USB and in EE with DX Pgm 24/12 JFF
18910	1856	USA WSHB Cypress Creek Strong in SS with religious pgm and Boston Mailing address PP language Id at 1900 followed by "The Bible Lesson" in EE 28/ 12 BDC
18980	1859	USA WYFR Okeechobee Florida with EE Id as "Family Radio" broad casting to Canada with continuation of "Open Forum" Pgm hosted by the President of Family Radio V/good signal 28/12 BDC
21510	1950	USA R Marti Very good and clear in SS to Cuba with Christmas variety
21310	1750	music Id 2000 as "Radio Marti para Cuba" Closed down at 2159 25/ 12 BDC
	2130	Pr-Fr in SS with usual anti-Cuban harangue 7/1 PWO
21560	0545	THAILAND Very strong in Tibetan as per WRTH with VOA Id at 0559 CRC
21580	1815	CHILE R Voz Cristiana Good in SS with religious music. Regional News at 1830 after Id at 1829 Noted on // 21550only Fair 15/12 KVB
21715	0435	TURKEY VOT Strong in English with several mentions of Turkey. Id at 0437 2/1 CRC
	0448	Fair in EE with Id and transmission details Slight hiss 4/12 CC
21735	0435	UAR R Abu Dhabi Strong in Arabic Id given as "United Emirates Radio" WRTH says Dubai whilst PWBR says Abu Dhabi. What goes? CRC (I would go with PWBR & Abu Dhabi — Ed)
21740	0007	AUSTRLALIA R Australia Good with News of big earthquake in Vanuatu JSB
21750	0758	JAPAN NHK/R Japan V/strong in Japanese With Id and time signal at 0800 then News in JJ Ex 21755 ? WRTH says 21755 CRC (Just a slight change? — Ed)
21755	1000	JAPAN NHK/R/Japan Strong opening in EE 15/12 IC
21760	1130	NORWAY R Denmark Very good in Danish 17/12 IC
21800		FINLAND YLE R Finland Strong in EE 17/12 IC
21830	0430	CYPRUS BBCWS relay in EE Site as per WRTH 1/1 CRC (The BBC frequently changes its sites so a really up to date list is essential I will chase up my source for BBC sites for this channel — Ed)
21830		GT BRITAIN BBCWS Good with one hour EE pgm to South Asia HJS

Thanks very much to all of this month's contributors, and for all your Christmas and New Year greetings.

The # Mark indicates a report has been sent to the station. New contributors are most welcome.

You can contact me either via P O Box 3011 Auckland or direct to me via the Email address above or by post to

36A Brentwood Street Trentham Upper Hutt Andy McQueen

Shortwave Exchange

AMQ Andy McQueen Trentham Sony 6800 & 40m long wire /BDC Bryan Clark on holiday in Palmerston North with Panasonic DR28 and random wire/ CC Cliff Couch Paraparaumu ATS 803A 60m horizontal loop, 2x 30m wires N/S and E/W / CRC Colin Campbell Hamilton National DR31and whip /HJS Jack Searle Haumoana Hawkes Bay Icom R 71 100m longwire and 19 & 60 m dipoles/ IC Ian Catermole Blenheim JRC NRD545 with T2Fdand Alpha Delta antennas / JFF Jack Fox Mosgiel JSB Jon Standingbear Beaumont California USA KVB Kelvin Brayshaw Levin (where the best spuds and berryfruit grow) FRG7 Sony ICF 2001 Collins 51J4 3 & 5 MHz dipole &40m horizontal loop/ LMM Leigh Morris Coorong National Park South Australia Icom R75 / PWO Paul Ormandy Oamaru Drake SPR4

LAST REMINDER - THE CONTINENTS LISTINGS SECTION WILL BE IN THE FEBRUARY EDITION OF THE NZ DX TIMES. The featured continent will be ASIA Contributions can be sent to me from now on until the end of January 2001

Andy McQueen

branch.news@radiodx.com

AUCKLAND BRANCH NOTES

The 26 November meeting had 15 present. Western Suburbbs Radio Club has been painting the building again inside and out; the kitchen and storage area look nice and tidy. We have been using the building for at least 20 years now and everybody put their hands together for Barry Williams for use of the clubrooms for meetings, special talks, auctions, etc over that period. Barry spoke on his recent trip to the South Island where he met up with several DXers in various centres to find out what they are up to these days.

Our annual BBQ and club auction is being planned for the February meeting, the venue for both will be decided at the next meeting.

Malcolm Holmes and his wife Christine organised a lovely evening out to the Rders Museum in Riversdale Road, Avondale on Friday 1 December which included a nice walk around the estate before sunset, a three course buffet style meal with the rest of the evening spent watching the movie Anna and the King in the cinemarette which slightly resembles the old Civic Theatre in Queen St. The surround sound audio was quite good and there were no echoes!

Next meeting will be at 2 pm on Sunday 28 January at the Clubrooms, 3000 Great North Road, New Lynn, just past Whau Creek.

NORTH OTAGO AND SOUTHLAND BRANCH NOTES on page 43

BEGINNER'S GUIDE TO MEDIUM WAVE DXING IN NEW ZEALAND

As a would-be medium wave Dxer I needed to know just when to listen for what. For my data I turned to the 'Medium Wave Trail' reports in the NZ DX Times. Thanks to Basil Jamieson and Alistair Sutherland of the North Otago Branch, who made available a supply of back numbers of the "DX Times', this survey covers the 12 year period 1988-1999 which more than spans all the stages of a solar cycle.

The Graphs

The times (UTC) of the loggings were plotted against the months of the year. On the accompanying graphs the heavy curved lines enclosing the stippled areas define the earliest and latest times that MW signals have been logged through the year, with the exception of the occasional loggings which stand well outside the general pattern of reception that emerged for each region. Occasional Long Wave loggings have been included, while loggings of NZ stations have been excluded. Where data is lacking and the general pattern for the region has been assumed, the heavy lines are broken. In one case (Europe, Africa, Near & Middle East), where no loggings have been recorded for November-January, the reception limits have not been shown for those months.

The graphs cover the regions identified in the MW frequency listing in the 'Worth Radio & TV Handbook" with the East Asia & Pacific region broken down into East Asia (India, Thailand, Vietnam, Philippines, Indonesia), South Pacific (Fiji, Samoa, Tuvalu, Tahiti), Hawaii and Australia.

Concerning Sunset and Sunrise

The times of sunset and sunrise at Wellington throughout the year have been shown on the graphs by light dotted lines to illustrate that to some extent reception times relate to the times of sunset and sunrise with some notable exceptions, e.g. the latest times of reception from North America in the middle of the year.

As the stippled areas on the graphs represent an envelope of reception times for loggings recorded throughout NZ, there will be variations from place to place in relation to <u>local</u> sunset and sunrise because of three variables:

 The times of sunset and sunrise vary significantly from place to place in NZ and this variation changes in itself through the seasons. For example, in mid-December sunset in Gisborne is

1 hours 10 minutes earlier than in Invercargill, whereas in mid-June the difference is only 10 minutes. The times of sunrise vary conversely.

2) An investigation of earliest reception times reported shows that the period of 'sunset lift referred to in Part Three of Paul Ormandy's article in the January 2000 issue of the NZ DX Times i.e. the period before local sunset when signals of loggable _strength are received, varies in duration in two ways:

- a. From place to place in NZ, increasing as you move southwards.
- b. For each region to the east from which the signals are received.

As pre-sunset loggings are few and far between, especially for reception from Europe, Africa near & Middle East and for reception at locations in the top half of the South Island, comparisons can only be made in rather general and approximate terms.

Duration of Sunset Lift

N.America.	Mid-Summer Mid-Winter	North Island 0h 50m 0h 10m	Lower South Island 1h 40m 0h 30m
Central Am.	Mid-Summer	0h 30m	0h 40m
	Mid-Winter	1h 40m	2h 30m
S.America.	Mid-Summer	0h 20m	1h 00m
	Mid-Winter	1h 40m	2h 30m

While pre-sunrise loggings are even more sparse, especially at North Island locations, they show that in general signals from Europe, Africa, Near & Middle East are heard earlier (and later) in the far south than in the North Island, the earliest recorded during the survey period in North Otago being 1 hour 40 minutes before <u>local</u> sunrise. Because of these variables, to be meaningful it appears necessary to state the location When describing reception times in relation to sunset or sunrise.

Some Miscellaneous Comments.

In the course of this survey and in preparing this article some relevant points of interest have come to light. For several of these I am much indebted to Paul Ormandy who has shared from his own DX experience.

As borne out statistically in Parts One & Two of Paul's article in the December 1999 Issue of the NZDX Times, North American stations are heard more frequently in our Summer months.

Conversely, Central & South American Stations are heard less frequently in our Summer months

Stations in Europe, Africa, Near & Middle East are best heard around the equinoxes, with none at all logged over the survey period in November-January.

The latest times of reception logged for North, Central and South America correspond very closely with the times of sunrise at the western-most extremities of those regions. Also stations progressively fade out from east to west from the time of sunrise at the

eastern-most extremities of the regions, which is approximately 1100 UTC in out midsummer and 0730 UTC in our mid-winter for North America (New Foundland), approximately1000 UTC year found for Central America & the Caribbean (Barbados) and approximately 0800 UTC year round for South America (Recife, Brazil).

Around the equinoxes is the best time for Brazil, Paraguay, Uruguay and Argentina with signals peaking around 0800 UTC to past 0930. Countries on the west coast of South America can be heard from around two hours before our sunset until around 1100 UTC, with the Peruvians the last to fade out.

Reception from Asia isn't constant. Stations close to the equator have more consistent reception times but the further south or north they are the more variable are seasonal reception times.

Closing Note.

In closing it needs to be said that many of the loggings used in the survey were made under optimum conditions of location and kind of antennas used, e.g. at DXpeditions and DX Conventions. We can't depend on such good coverage back in suburbia!

shortwave.mailbag@radiodx.com Laurie Boyer, Invercargill

Well here we are in another new year and once again another quiet mailbag. First is **Lindsay Robinson Invercargill** With Malawi 3380 and Teheran 15430. Next is **Ian Cattermole Blenheim** with RRI Palangkaraya, Voice of Hope Madagascar 15320, 12060, ERT 12110 Radio Mexico International 11770 [EM] Voice of Tibet 15685, 15655, 15705 [EM] Radio Deutsche Welle Petro 21790, 17655, Antigua 9690, Germany 7315, 17860, AWR Julich 15640, VOA Morocco 17785. **Jack Searle Haumoana** Has Radio Japan 17685, VOA Bilbis 11780 And Radio Romania 15105.

Paul Ormandy Oamaru With Alfa Lima International 21890, Voice of the Netherlands 7485 both [EM]

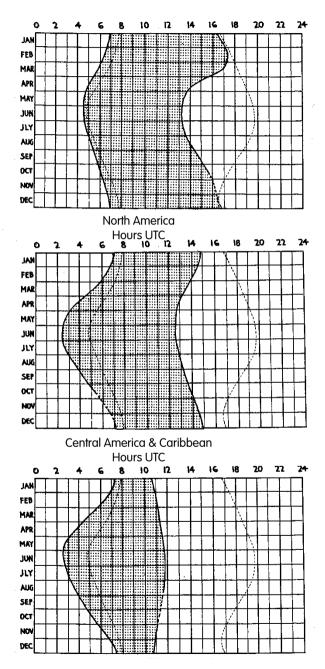
Leigh Morris Morphett Vale South Australia Has them in FromZBC Gweru 6045, Radio Simbu 3355, Deutschlandfunk 6190, TGMI Buenas Nuevas 4800,

HRT Croatia 9830, V of Sharia'h 7085 V of Tatarstan 15105, 11665, Radio Vilnius via Julich 9855, RTI Albania 9540, Voice of Armenia 15270, 9965, Radio Tashkent 5060, Radio Iraq 11785

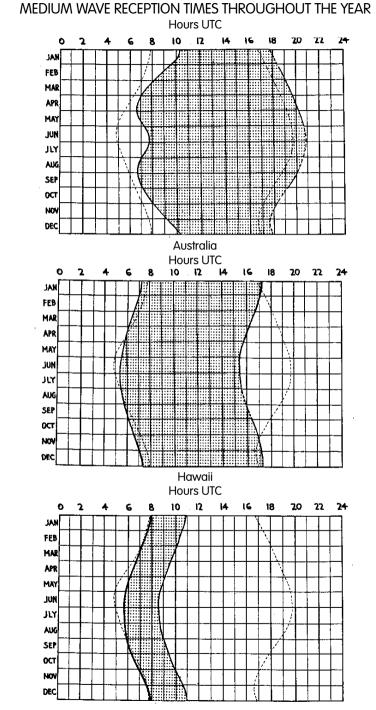
Best of Month Under 9mhz Voice of the Netherlands 7485 1kw **Best of Month Over 9mhz** Alfa Lima International 21890 300 watts

MEDIUM WAVE RECEPTION TIMES THROUGHOUT THE YEAR

Hours UTC

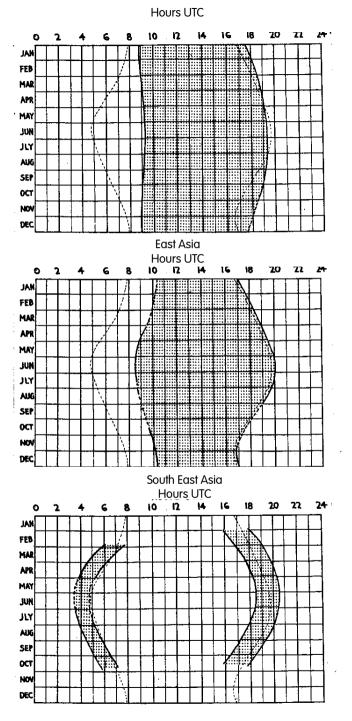


South America



South Pacific

New Zealand DX Times



Europe, Africa, Near & Middle East

New Zealand DX Times

shortwave.report@radiodx.com with Matt Francis, Canberra

Welcome to the first column of 2001. Your contributions are always appreciated.Sources: BCDX — Worldwide DX Club; Cumbre DX; DXLD — Glenn Hauser's DX Listening Digest; HCDX — Hard Core DX. SWBC newsgroup; Colin Campbell, Hamilton.

ALASKA: KNLS The New Life Station carries English programming at 0800 and 1300 on 9615. Russian at 0900 and 1100 on 7365, then 1700 on 7355kHz;Mandarin at 1000 on 7365 till 27 January, then frequency reverts to 9615kHz; Mandarin at 1200 on 7365 till 27 January, then reverts to 9615kHz; Mandarin at 1400, 1500 and 1600 on 7355 till 27 January, then reverts to 9615kHz. KNLS offers a number of free items to listeners including 'DX Definitions', an audio cassette in which top American DXer Carl Mann explains the basic concepts of distance listening. (Direct)

AUSTRALIA: Radio Australia has introduced new services for Asia, through relays via Singapore and Taiwan, and with Darwin and Saipan to come online in future. New via Kranji, Singapore: 0500-0530 Khmer 17865, 1400-1530 Chinese 15435, 2300-2330 Khmer. Via Taiwan, from Jan 15, 2300-0000 Vietnamese 15110. RA says expanded services in English, Vietnamese and Indonesian will follow later in January, from sites in Taiwan, Saipan and Darwin. The new services follow the Federal Government's decision last year to give Radio Australia additional transmission funding to enable it to provide a reliable, credible and independent perspective on Australian and regional issues in Asia. RA would appreciate reception reports. The new relays have meant some rescheduling of services via Shepparton. *** Christian Voice, via Darwin: I hear it almost daily now 0200-0300 on 17645. There are no announcements, just continuous pseudo-pop music with syrupy religious lyrics. The content is much the same as La Voz Cristiana Chile owned or run by the same people except that the language in the songs is so far English instead of Spanish. What a waste of good resources! (Morrison Hoyle, DXLD Dec 20)

BELGIUM: Radio Vlaanderen International's daily English Service "Brussels

Calling" is scheduled on SW as follows: 0400 to the Americas from Bonaire on 11920kHz; 0800 to Europe from Julich Germany on 5985; 1130 to East Asia from Petropavlovsk CIS on 9865; 1230 to Europe from Waver (Belgium) on 9925; 1830 to Europe from Waver on 5910 & 9925, to Southeast Europe & Middle East from Julich on 13710; 2230 to Americas from Bonaire on 13660.

The 'Radio World' feature is aired at 1830 and 2030 on Sundays. (Direct)

CHINA: China National Radio (CNR) has introduced an 8th network, for ethnic minorities in border areas. Languages Mongolian, Zhuang, Uighur, Kazakh and Korean. The 4th network, will continue on FM in Beijing in minority languages. The new schedule is (time, language, sites, freq):2100-2200 Korean: Beijing 4190, 5420; 2200-2300 Mongolian: Beijing 4190, 5420; 2300-2400 Tibetan: Xi'an 7275, Baoji 7550, 9500, 11710, 12080, Beijing 11780, 15670; 0000-0100 Uighur: Lingshi 9655, 9890, 10260, 11630, Xi'an 11915, Beijing 11780, 15670; 0100-0200 Kazakh: Lingshi 9890, 10260, 11630, 15405, Xi'an 11915, Beijing 11780, 15670; 0200-0300 Korean: Beijing 7120 9610; 0300-0400 Mongolian: Beijing 9610 11815; 0400-0500 Tibetan: Xi'an 11835, Baoji 9500, 11740, 12080, 15570, Beijing 11780, 15670; 0500-0600 Kazakh: Lingshi 11630, 15390, 17580, Xi'an 11915, Beijing 11780, 15670; 0600-0700 Uighur: Lingshi 10260, 11630, 15390, 17580, Xi'an 11915, Beijing 11780, 15670; 0700-0800 Mongolian: Beijing 9610, 11815; 0800-0900 Tibetan: Xi'an 11835, Baoji 9500, 11740, 12080, 15570; Beijing 11780, 15670; 0900-1000 Kazakh: Lingshi 10260, 11630, 15390, 17580, Xi'an 11915, Beijing 11780, 15670; 1000-1100 Korean: Beijing 7120, 9610;1100-1200 Uighur: Lingshi 10260, 11630, 15390, 17580, Xi'an 9820, Beijing 9610, 11780;1200-1300 Mongolian: Beijing 4190, 5420; 1300-1400 Tibetan: Xi'an 7275, Baoji 9635, 11740, 12080, 13625, Beijing 9610, 7120; 1400-1500 Kazakh: Lingshi 7935, 9890, 10260, 11630, Xi'an 9820, Beijing 7120, 9610; 1500-1600 Uighur: Lingshi 7935, 9890, 10260, 11630, Xi'an 9820, Beijing 7120, 9610; 1600-1700 Mongolian: Lingshi 7935, 10260, 11925, Xi'an 9820 and Beijing 7120, 9610.

GEORGIA: 11805.2 Georgian Radio 0633 In English, ID and schedule given by woman. This was followed by a program narrated by a man that included Georgian music. Interval Signal and signoff at 0659. Signal was strong but unstable, varying between 11805.26 at the beginning to 11805.18 by the end of the broadcast. Audio was slightly muddy yet understandable. (Fine 25 Dec, SWBC)

GERMANY: United Methodist Churches has commenced regular broadcasts via Julich: French 0400-0600 11775, 1700-1900 13810; English 0400-0600 13685, 1700-1900 15485. Intended for Africa. Email contact is <u>radio@gbgm-umc.org</u>. Their postal address is: 475 Riverside Drive, New York, NY 10115, USA Fax +1 212 870 3748.

NEW ZEALAND: RNZI has made a minor schedule amendment, extending from one to two hours its use of 15120, now 1750-1950, for the Pacific (RNZI)

PAPUA NEW GUINEA: According to press reports, a new religious broadcaster plans to use SW in the future. KBBN — 'Krai Bilong Baibal Broadcasting Network' — has been licensed to operate on 92.5 MHz in Mt Hagen, with plans for nationwide SW broadcasts once equipment arrives from the US. (Extracted from 'The National' newspaper, Port Moresby, Dec 29) Courtesy of Hans Johnson, reporting to Cumbre, these updates: They have a shortwave transmitter, courtesy of David Robinson of FBN's WTJC in North Carolina. They are ready to bring the transmitter into the country, in fact, they wanted to start on shortwave instead of FM. The problem is Pangtel won't assign them a frequency. The Wells' seem to be under the impression that Pangtel doesn't really know how to go about assigning them a frequency. Mr.

Wells applied for a SW frequency over nine months ago, but nothing has happened. They aren't saying that Pangtel doesn't want to give them a frequency, just that their impression is that Pangtel isn't sure how to go about it. Ms. Wells alluded to the Japanese [government] assisting Pangtel in the recent past with the frequency coordination process, but couldn't elaborate.In any event, KBBN FM is up and running. Power is from the local power company and they also have a generator as there are frequent blackouts. They are playing English music, but have some programming in Pidgin. They have started recruiting and training a local cadre of announcers. KBBN's schedule is a bit shorter than the above press item, but they hope to be on from 6 AM to 8 PM local starting next week. Their mailing address is KBBN, P.O. Box 617, Mt. Hagen, 281, Papua New Guinea. When I spoke to Panatel, they did say that they thought it would be auite some time before KBBN aot a shortwave frequency assigned. Panatel thought that the Wells want to develop the FM and get it running well before expanding into shortwave. Both KBBN and Pangtel seem to agree that the frequency, not the arrival of the shortwave transmitter, is the sticking point to KBBN getting on shortwave. Finally, I look at the PNG press has Baibel alternatively spelled as 'Bible.'So I believe a rough translation of KBBN is Voice of Bible Broadcastina. (via Johnson Jan 4) More: I spoke with David Robinson of FBN this morning. KBBN will use shortwave to feed a network of about 10 FM repeaters in PNG. They decided to use shortwave as other means such as satellite were simply too expensive. Technically, the shortwave isn't primarily a broadcast to the PNG people, but is rather a network feeder to FMs that will broadcast to them. Robinson has on hand two small transmitters in the 1 kW range. One is AM, the other is SSB compatible. Once KBBN has frequency approval, Robinson plans to travel to PNG to install the transmitters. He will also build a log periodic antenna. His intention is to shoot the signal straight up so as to minimize the skip zone. Robinson didn't feel that DXers would be able to hear it and we had a good laugh as I told him that we accepted his challenge. Robinson elaborated on what I heard last night from Ms. Wells. The Japanese government traditionally handled frequency allocation and coordination for PNG, even for FM! Now the Japanese government have pulled out and Panatel has no idea how to do this. That's what KBBN shortwave is waiting on. KBBN is trying to get some help through the FCC in helping Pangtel to give them an allocation. Ideally, Robinson is looking for approval to operate in a frequency range(s). KBBN will conduct shortwave tests once the equipment is installed to see which frequencies work best and they request three or so specific frequencies

from Pangtel. Robinson believes that these will be in the 3-7 MHz range and include both a 'winter' and 'summer' frequency. (Johnson Jan 4, via Cumbre)

RUSSIA: Current regional station activity - 4485 Yelizovo, Bashkortostan with R Rossii, well heard mornings/evenings, weak or inaudible at midday

(midday at the reflection point); 4520 Khanty-Mansiysk with R Mayak, good signal mornings/evenings, weak or inaudible at midday; 4795 Ulan-Ude with R Rossii and regional, heard from time to time from 2200 and in the afternoon. Modest signal, very shallow audio; 4800, 4825 Yakutsk not heard; 4820 Khanty-Mansiysk with R Rossii and local - not confirmed if they still carry

Tyumen prgrs as well. Good signal mornings/evenings and often throughout the day when they operate at full power. They seem to have a very low powered standby at times; 4850 Taldom with R Rossii, regular mornings 0200-0500, gradually taking over from Tashkent.This is a mixing

product of 6115 and 7380; 4895 Tyumen with R Rossii and regional has dropped off heavily from what it used to be. Now weak at best even

when 4820 booms in. Mornings/evenings the frequency is "owned" by AIR Kurseong when that one is on the air; 4920 Yakutsk not heard; 4940 R Mix Master, Yakutsk heard

with a good signal on one occasion, otherwise nil. I believe this one is operating irregularly at the times when they would be

audible here; 5015 Tavrichanka not heard; 5290 Krasnoyarsk and Perm with R Rossii and regional both seem to be audible throughout most of their

operating times. Perm is weak in full daylight; 5930 Monchegorsk with R Rossii and regional is a regular here. Apparently consists of two paralell 20

kW txers which are out of phase, killing much of the audio. Much louder audio during maintenance that takes only one of the txers off the air!; 5940 Arman (Magadan) with R Rossii and regional, regular in the mornings with a weak and fluttery signal; 6060 Blagoveshchensk not heard, reported silent by

Oguma; 6095 Khanty-Mansiysk in \\ with 4820 heard mornings and early evenings, usually weak with much splash; 6150 Perm is now back on 5290.

6160 Arkhangelsk with R Rossii and regional, usually strong at most times. (Olle Alm, Sweden, BCDX)

SOUTH AFRICA: New service via Meyerton, is Radio Lusofonia on 7155 1700-1900 100kw 76° Portuguese. (Andre du Toit, via HCDX) Is Sat/Sun only, according to Cumbre.

USA: WWFV [formerly WGTG-ed.] is starting new broadcast service via RTTY, MFSK,PSK31 SSTV please see our web page www.wwfv.org

or <u>www.wwfv.net</u>. This new service is not a utility service as we are under contract to distribute various religious publications, the bible, bible

tracts etc to nations that restrict Christian religious activity. Many nations charge large sums per minute to use the internet some filter out

Christian web sites as no privacy exist in many nations or can lead to persecution. This service will be used by the underground church to get the

bible,tracts, to people. we can send the bible via RTTY to hams and SWL's to many nations for distribution. One ministry is sending RTTY equipment out

to many nations now. Watch our web site for skeds. (WWFV) *** The Australia/NZ schedule of Herald of Christian Science and related

broadcasts is: 0800 on WSHB Cypress Creek Maine 9845 daily in English, except Fridays in French; 1200 via Far East Relay 17635 daily in English. (Direct)

USA/TIBET: Washington, DC, Dec. 22, 2000 - Newly released research among the people of Tibet demonstrates that the Voice of America's Tibetan Language Service is the most widely listened to radio station in Tibet, drawing more listeners than any other international station and exceeding the audience of stations sponsored and sanctioned by the Chinese government. A total of 45.2% of 582 adult exiles or travelers from Tibet in Dharamsala (India), Kathmandu (Nepal) and Bodhgaya (India) reported listening to VOA Tibetan at least once a week. So comprehensive is VOA Tibetan's impact that the survey could find only three of 582 listeners who were not VOA regulars.In the survey, Tibetan People's Radio placed second with 34.7%, Qinghai People's Radio was third with 28.4%, another U.S. government-funded station, Radio Free Asia, was fourth with 22%, All India Radio was fifth with 21% and the Central People's Radio placed sixth at 13.9%. Because the research could not be conducted inside the Tibet Autonomous Region of China, it cannot be read as representative of the entire Tibetan population. (Extract from VOA media release)

English in Time Order compiled by Yuri Muzyka, Auckland

ime Order summary of Ken's Under 9MHz & Andy's Over 9MHz BandWatch columns. Please remember to include the date and signal strength with all your loggings, thanks. ***SIGNAL STRENGTHS*** -> e = Excellent; g = Good; f = Fair; p = Poor.

It's great to catch up with you all aboard the International Space Station! What am I doing up here? Well I'm just transmitting on the hydrogen frequency to see if the SETI League folk make the discovery of the millennium – Extraterrestrial Intelligence – HEHE!

73 - Yuri ("George") Muzyka, ZLIGYM (yuri@win.co.nz; http://www.linradio.com/sources.htm).

Time Frequencies (UTC) (kHz)	Station Name	Station Country	Log Date	DXer Name
 0007 21740g	R Australia	AUSTRLALIA	_	JSB
0030 15240f	R Australia	AUSTRALIA	29/12	
0130 - 0200 15425g	SLBC	SRI LANKA	30/12	
0206 - 0230 17820, 17740		USA	7/12	KVB
0215 15420g	BBCWS	UK	6/12	IC
0230 9495g	R Sweden	SWEDEN	-	JSB
0430 12060p, 15320f	Voice of Hop		30/12	
0430 21830	BBCWS	UK	1/1	CRC
0435 - 0437 21715e	VOT	TURKEY	2/1	CRC
0440 15420f	BBCWS	UK -		HJS
0448 21715f	VOT	TURKEY	4/12	CC
0500 6110e	R Japan	JAPAN	9/12	JSB
0540 - 0603 7480f	RFPI	COSTA RICA	24/12	BDC
0600 5745	WHRI	USA	9/12	JSB
0600 7255g	V of Nigeria	NIGERIA	11/12	JSB
0627 - 0657 7255f	V of Nigeria	NIGERIA	4/12	KVB
0710 5030p	World Univer	sity USA	-	HJS
0719 - 0730 6175g	BBC WS	UK	5/12	KVB
0730 5950g	R Taipei Intl	Taiwan	15/12	KAB
0730 7250g, 11740	R Vaticana	VATICAN	15/12	KAB
0740 5825g	WEWN	USA	15/12	KAB
0740 5975g	V of Hope	USA	15/12	KAB
0745 6350(USB)g	AFN	USA	15/12	KAB
0800 15330e	KTWR	GUAM-		HJS
0800 15460e	VORWS	RUSSIA	-	HJS
0800 21830g	BBCWS	UK -		HJS
0808 9615e	KNLS	ALASKA	11/12	CC
0810 9615p	KNLS	ALASKA	-	HJS
0820 6005p	BBC WS	UK	19/12	KAB
0822 5985g	RVI	Belguim	11/12	CC

	•	CZECH REPUBLIC	8/12		1820 - 1829 7				15/12	
		GUAM	11/12		1825 - 1830 6				9/12	
0830 5975g	V of Hope	USA	17/12	КАВ	1840 15185.8	f	R Africa	EQUITORIAL GUINEA	29/12	LMM
0835 - 0838 9570f, 13670f	f RKI	STH KOREA	11/12	CC	1840 9780.2f		Rep of Yemen	n R YEMEN		HJS
0850 13362(USB)f	AFRTS	USA	11/12	CC	1859 18980g			USA	28/12	BDC
0856 - 0858 11995e	VOA	USA	11/12	CC	1900 15390g		D/Welle	GERMANY -		HJS
0902 3365f	R Milne Bay	PNG	11/12	CC	1900 - 1930 3	3366g	GBC	GHANA	28/12	LM
0903 - 0913 3235f	R West New E	Britain PNG	18/12	KVB	1900 4976g,	5026	R Uganda	UGANDA 27&28	/12	LM
0905 - 0912 3385f	R East New B	ritain PNG	12/12	KVB	1900 7275f			STH KOREA	13/12	КАВ
0930 9710	R Vilnus	LITHUANIA	28/12		1905 15685g		WWCR	USA -		HJS
0945 15360g	BBCWS	UK		HJS	1911 - 1955 1			USA	27/12	KVB
-		INDIA	17/12		1915 17830g	•		UK -		HJS
-		KUWAIT	15/12	IC	1920 7340f				9/12	
	NHK/R/Japar		15/12		1930 11640g		World Beacor			AMQ
		INDIA	13/12		1930 11910, 13			SWITZERLAND	-	HJS
	YLE R Finland		17/12		1930 6155p	-			13/12	
		CANADA	28/12		1945 - 2000 1			USA	28/12	
	R Japan/NHk		8/12		2000 7255g			NIGERIA	27/12	
•	•	TAIWAN	17/12		2000 9596f			SPAIN -		HJS
•		Taiwan	8/12		2002 - 2024 1				27/12	
-		CANADA	8/12		2010 - 2025 1				29/12	
	V of Vietnam		4/12		2015 15185.8			EQUITORIAL GUINEA		
1400 6195e		UK	9/12		2025 17650g			USA	28/12	
		UK	8/12		2028 17660g			ECUADOR -		HJS
•		JORDAN	4/12		2030 15550e				29/12	
-		CHINA	4/12		2030 17760e			ECUADOR	28/12	
		USA	24/12		2129 13570			USA -	20/12	HJS
1414 17620g, 17680e		FRANCE	4/12		2130 13650g				27/12	
1430 5985.8f	R Myanmar		28/12		2133 - 2200 1				24/12	
	•	MYANMAR -	20/12	HJS	2137 - 2155 9			USA	28/12	
1445 17505p		SWEDEN 1	7/12		2150 17825g		NHK/R Japan		20/12	HJS
		re Ministries USA	17/12		2158 13650g			CANADA -		HJS
-	-	FRANCE	30/12		2150 15050g		Kei			
-		USA -	50/12	HJS						
		UK	23/12			1 (
		INDIA	18/12			TV.TT	n@radioc	lx.com with Ada	m Cla	ndon Rotorua
1657 - 1723 4920f		INDIA	10/12							<i>yuon,</i> 10101 uu
1700 15240g		USA -	10/12	JSB						
1700 13240g 1715 - 1730 11605e		ISRAEL	26/12		Happy New Y	'ear 2001 to	everyone. Ar	nd summer is finally	here	too! Letís see what
1758 13570f			2/12		2001 brings in	n the TV & F	M world.			
		USA	25/12		BRYAN	I CLARK PI	eased with m	ny first foreign DX o	n FM ៖	since the Auckland
1758 17650g		USA			stations move	ed to the Sky	y Tower and h	nave absolutely des	troyed	I my chances of FM
1800 - 1904 4915		KENYA	29/12		DX from home	e (until I car	n find a way o	of attenuating the lo	cals). \	Nas pleased that the
1800 9895f	R Telefis Eire		0/10	HJS				completely unstable		
			2/12							s and New Year and
		KUWAIT	12/12		••••			hear signals from a		
1813 7440f	V of Vietnam	VIETNA/W	12/12		·	3	,	~ 		- ·

Kapiti, Taranaki and Hawkes Bay regions with just a random wire antenna. Unidentifieds at this stage as to location were The Edge on 94.2, Radio Hauraki signals on 97.2 and

99.9, Solid Gold on 98.2. MRK-FM on 88.5 in Palmerston North has a country music format and occasional commercial breaks. New Caledonian station Soleil FM was logged for an hour from 0300 UTC on 26 December on 100.4 and 100.0.

ZLXA IN PALMERSTON NORTH? While in Palmerston North I also heard a relay of ZLXA Levin on 100.5. This was not audible in Levin itself so I am still enquiring on this one. (Bryan Clark)

ANOTHER CLASSICAL STATION IN PN During December I heard several announcements on the 88.0 FM classical music station in Palmerston North. Identification is "Classic 88FM, coming to you from the Gramophone Room", but as yet no other clues as to location. One Sunday evening they aired a Goon Show episode, and a commercial for a local performance of Bach's Mass in B Minor prompted us to take in the concert! (Bryan Clark) (*I heard this station too while in PN over Christmas - now I know what it is called! Adam*)

MORE SKY PAY-PER-VIEW A new pay-per-view channel was added to Skyís digital service on 2nd January - Spice channel 43. (Adam Claydon)

RADIO PEGASUS There is a new radio station in Christchurch calling itself Radio Pegasus. The frequency is 88.2 MHz. The playlist is light-popular to lightclassical. The location is unknown to me as is the power & contact info. (Chris Wright)

DXING ACROSS THE DITCH Prominent Aussie DXer Chris Martin had a very strong Kiwi FM day on 23 December with top half of the North Island "socking in" all day. He heard a tone tester on 100.1 then later classical music there but decided it wasn't Concert FM. Any clues? An earlier mystery catch for Chris on 89.9 has turned out to be Port Moresby, identifying as FM Central 89.9. They told Chris in a phone call that they were running a kilowatt and started last July. Station uses the same antenna mast as the other three FM'ers in Port Moresby. Have a 4 bay array giving 10dB gain.

broadcast.dx@radiodx.com with Tony King, Greytown

he last time I keyboarded for the DX Times was back in the 70's when Bryan Clark and I pounded away on Imperial 66's each month in Wellington while other editors did likewise in other centres. We moved the DX Times to offset, had a monthly medium wave DX forecast based on a five year trend plotted by Peter Chambers, and loop antennas were becoming respectable with circuits for boosters in the magazine's pages. I've been a DXer for 47 years, stopped contributing to the profits of NZ Post about 20 years ago and instead satisfy my QSLing with a library of cassette recorded evidence. Of course I weaken from time to time and log 1 kw Wisconsin stations on 1640 and report them by email (and excite them with a tape by mail) and am glad to get a genuine QSL !

The Opening of the X band reminds me of the 70's when we had minimal TVI and Yanks in the small hours were quite common (KFRE 940 with its breakfast news at 6.a.m. their time). Today the line up of my receivers is very modest. The 20 year old Realistic TRF portable with its 4 khz filter has been the mainstay of my medium wave listening until

recently when the Superadio III has come in to play as it goes to 1710. The TRF however brought me WKSH 1640 on a simple one metre loop. On shortwave I play with an Eddystone 680X, Eddystone S870 (the Baby), Sony SW55 and Sony ICF2003 and rarely listen above 7 megs.

Thanks to Peter Chambers I'm a born again MW DXer thanks to his radial wire antennas. I've got the space at Greytown so have rolled out four 100m radials 45 degrees through to 180 mainly for the X band, tune them through a pi-coupler and enjoy the three-on-thefrequency-none-identifying scramble. Radials have a major advantage of no poles to contend with the wind, and you can reposition them easily. If your hose reel is missing I've probably borrowed it for my wire - I can fit three 100 metre streams on a standard reel they go out one at a time, and all three come in on the big wind-in.

It's been a hectic festive season it would seem - only two contributors to the mail and no Trail items. <u>broadcast.dx@radiodx.com</u> and Box 3011 has brought us nothing - and we've waited longer than we should have - so I hope you'll be able to improve on things in February.

LINDSAY ROBINSON, Invercargill had a quiet December and is hopefully out there logging them now. Got a Xmas present of a QSL from XERED 1110.

PAUL ORMANDY, Oamaru had a quiet December too "saving his postage for the Equinox DX in April" but received a QSL from YVOZ Radio Tiempo 1200 thanks to the help of Winter Monges in Barquisimeto who visited the station in Caracas and asked them for a QSL. Winter is happy to do this for QSL's from Venezuelan stations and may be contacted at Box 1116 Barquisimeto, Lara, Venezuela.

Look forward to your Wainak news in Feb !

And to round off this very brief Broadcast Band summary for January - my modest ${\sf X}$ band trail. Times UTC

- 1610 0825 KALT Atlanta TX, Talk and Fox sport.
- 1620 0830 WTAW TX College Station- Bryan. Coast to Coast talkback. Website wtaw.com
- 1640 0845 KDIA CA Vellejo, contemporary religious.
- 1650 0900 KFOX CA Torrance. In Korean so an easy ID
- 1660 0900 KXOL UT Brigham City 60's and 70's pop mixes with KQWB playing 'standards' or is it WMIB playing 70's oldies ? Mixes also with newstalk but no ID probably KRZX TX Waco.
- 1670 0900 KAZT CA Redding. ESPN Sports
- 1680 0900 KAVT CA Fresno. Disney in SS. EE on the hour.
- 1680 0830 WTIR FL Winter Garden. Travel infomation radio. Wx, attractions, accommodation options, attarction information and directions.
- 1690 0900 KSXX CA Roseville. SS but with full EE ID on the hour. Dominent but often mixes with KDDZ CO Arvada Disney radio in EE.1700
 - 0900 KQXX TX Brownsville SS Mexican regional. 880 watts at our time. Mixes at this hour with the Aussie on 1701
- 1700 0930 KTBK TX Sherman Sports and sports talk.

That's it for January !

broadcast.news@radiodx.com with Paul Ormandy, Oamaru

Welcome to broadcast.news. Bryan Clark is taking a well-earned break from editorial duties and I have to fill his boots! So let's see what tempting little gems can be found this month...

<u>ARGENTINA:</u> New stations: "I was in Buenos Aires yesterday, and I tuned with my Sangean to a local on 530 Khz. Id was: **AM 530 Republica**, "una radio argentina, primeira en el dial". Dont know if it's new. Bye bye Falklands-Malvinas, then? Rocco Cotroneo. NRC AM DX News Flash..**1610 kHz, Radio Tradición de Isidro Casanova** ex-1580kHz. **1690 kHz, AM Fuego**, Longchamps.. (Marcelo Cornachioni, Argentina, Conexión Digital Dec 4 via DXLD)

<u>AUSTRALIA</u> A phonce call in from Chris Hambly in Melbourne reports that 1116 3AK (ex-1503) heard testing with loop tape. Supposed change-over day of Jan 8th may be optimistic. 1503 will be the home to "Laugh Radio" on a temporary basis.

Also in Sydney official launch of 2KM on 1620 ex-2AM, probably running //owners 2KY. (John Wright in ARDXC Topica)

<u>COLOMBIA</u>: HJCX-700 24hr, HJDC-790 now 15kw, HJJF-1090 24hr, HJTE-1150 ex-1580, HJAU-1160 15kw, HJGA-1170 10kw, HJJA-1240 24hr, HJET-1260 24hr (Caracol affiliate), HJDS-1250 now 5kw, HJUJ-1360 ex1560, HJEQ-1370 10kw 24hr (Arctic) For anyone out there who is maintaining lists of Colombian radio stations, the official government lists of AM and FM stations (incl. call signs) can be found at http://www.mincomunicaciones.gov.co/ Look under Planes Técnicos de Radiodifusión Sonora AM - FM. They are .zip files which convert to .doc files. (Hepburn, AmFmTvDx email reflector via NRC Soft DX Monitor. HJCU-730 now Melodía Bogotá, HJET-1260 R María ex R Recuerdos 24 hr, HJEN-1350 now 10kw, HJLT-1550 La Bohemía ex Radio 24, HJNA-1580 did not move to 1150 (Arctic)

<u>COSTA RICA</u>: TIRN-590 24 hr, //FM after midnight. TIRN-670 now 10kw. TIW-800 R Unica ex R Tigre. TIGC-820 R Centro reactivated //FM. TIJLS-850 R Taxi, Pavas, ex R Viva & R Sol Esteréo (Arctic via NRC Soft DX Monitor)

EL SALVADOR: YSAR-870 Now 10kw 24hr (Arctic via NRC Soft DX Monitor)

<u>EUROPE:</u> Please note that the European Medium Wave Guide now has its own website! Surf to <u>http://go.to/emwg</u> for all information on this publication and for a free download of the latest version (11 November 2000). All feedback is highly appreciated. Herman Boel. NRC AM DX News Flash.

<u>HAWAII:</u> KUAU Haiku, Maui 1570 kHz heard 9:45 PM to 10:PM s/off (0745 to 0800 UTC 12/12/ 00) with Gospel Music. Announced at s/off "This is KUAU Haiku, Hawaii signing off. KUAU is owned by the Assembly of God Church and is operated by Latitide 21 Broacasting Inc." This is the name of the former owner's (Richard Miller) company and the voice signing off sounded

<u>LIBYA:</u>

Yesterday (DEC 13 around 1750 UTC) I heard Quran on 1405.41 kHz. Not strong. I think it could be Lybia (Holy Quran Program, Tripolis, 20 kW), drifted from 1404 kHz. No talk, just singing. It is in fact the only possibility to hear this program as it is not relayed on any other MW frequency. Karel Honzik - Czech Republic. NRC AM DX News Flash.

MADEIRA RDP Madeira still is active around the clock with relays of RDP Antena 1 program on **531**, **603**, **1125** and **1332**. They have local programs during the morning. The signal on 531 is coming from Porto Santo Island. 603 is transmitted from Madeira Island but can also be heard well on Porto Santo. Posto Emissor do Funchal transmits on **1530** (//**1017** Santana). They have a different program on 92.0 FM. The station recently celebrated its 50th anniversary. During the evening they relay Deutsche Welle in Portuguese. From 2315h local time and during the night relay of Radio Renascença. 1530 also reaches neighboring Porto Santo Island in a good signal quality. Estação Rádio de Madeira, which used to transmit on **1485** (/ 96.0 FM), currently is off the air after it was bought by another local station. (Harald Kuhl via MWC e-mail news 8/00 via IRCA DXM 10/00)

NICARAGUA: YNCD-870 Juigalpa ex 690 10/7.5kw (Arctic via IRCA DXM)

<u>PAPUA-NEW GUINEA:</u> Hi Folks just got some more RA reports and one report talks of Milne Bay

PNG on 1107 which runs // 3365. So 1107 is a newie! I reckon its the old 2kw txmtter . John Wright, ARDXC Topica.

<u>RUSSIA:</u> With credit to Glenn Hauser, It would seem the Far East Russian Transmitter at Komsomolsk on 153Khz, one of the better heard Russian longwavers over the years, is silent. Reason being the power utility has cut power in order to recover debts of R40 million (NZ\$3.2 million). Hopefully, they may resume broadcasting.... Often heard from around 1100z until 1800z here in NZ. (via BBCM via DXLD)

USA: DX tests

20/1/01 Sat — 0600 - 0800 - WAGL - 1560 - Lancaster SC (IRCA) 4/2/01 Sun - 0500-0700 - WILM - 1450 - Wilmington DE (NRC)

WILM will play "unusual programming", sirens, and Morse code IDs. Allan Loudell, Program Manager of WILM, is preparing a special 25th anniversary yellow QSL card. Calls to the station may be placed at (302) 656-9800 - NO COLLECT CALLS, PLEASE!!! Reception reports may be sent to: Allan Loudell, Program Director, WILM News Radio, 1215 French St., Wilmington, DE 19801. (Arranged by Blaine Thompson for the NRC CPC). AM-DX NEWSFLASH - December 14 2000. Saturday, January 20, 2001 - **WAGL-1560, Lancaster, SC** will conduct a DX test from 0600 - 0800. The test will continue until 2:00am EST with music, voice statements, and possible Morse code IDs. WAGL will conduct the test using their full 50 kW into their 4 tower array directional antenna system. Reception reports may be sent to: B.L.(Len) Phillips, General Manager, WAGL-AM, P.O. Box 28, Lancaster, SC 29721. E-mail: <u>waglradio@infoave.net</u> WWW: <u>http://www.waglradio.com</u> (Arranged by Lynn Hollerman for the IRCA CPC.) **NB: WAGL was heard on a DX-test in NZ a few years back and is a good chance to catch a rarely hears State!**

FORMAT CHANGES:

CA Lancaster	KAVL-610 sports // KXTA adds Fox Sports	
CA Pasadena	KRLA-1110 was talk, to be ESPN sports (December)	
CA Sacramento	KRAK-1470 was country//KNCI, to be Radio Disney	
FL Boynton Beach	WBZT-1040 was talk, sports, to be WJNA, ABC s	stds.
TX El Paso	KTSM- 690 was KHEY, sports, now talk (690 and 1380 swap free	γ´s)
WA Yakima	KUTI-1460 was KMWX, oldies, now classic country	
TX Dallas	KJOI-1190 was KLUV, oldies, to be black gospel	
HI Honolulu	KBNZ-1170 was KBUG, oldies, to be AP nx	
FL Fort Myers	WMYR-1410 was C&W, to be R. Disney	

CONSTRUCTION PERMIT ACTIVITY:

CA Grass Valley	KNCO- 830 inc. to 5000-N, DA-N
MO Liberty	KCXL-1140 add 5-N

CALL LETTER CHANGES:

NEW CALL	old call
690 KTSM El Paso, TX	KHEY - sports talk
910 KFYI Phoenix, AZ	KGME
970 KZPM Bakersfield, CA	KAFY
1020 KXEM Rosewell, NM	KCKN
1040 WBZT Boynton Beach, FL	WJNA - STNDS
1100 KAFY Bakersfield, CA	KZPM
1190 KXMX Anaheim CA	KEZY
1460 KRTR Honolulu HI	KGMZ
1040 WBZT Boynton Beach, FL 1100 KAFY Bakersfield, CA 1190 KXMX Anaheim CA	WJNA - STNDS KZPM KEZY

NEW X-BANDERS: Thanks to Patrick Martin for passing on the following activations:

1650 KHFS Fort Smith, AR 1650. News-talk & sports, //KWHN 1320. 1690 KSXX Roseville CA, Spanish "Radio Tricolor" //KOBO 1450.

The Radio Edge Web site (<u>http://www.radioedge.net/</u>) reports that Clear Channel Communications is planning to eliminate overnight on-air positions at ALL of it's owned-and-operated radio stations. No other reason was given for the move. This is a major disservice to the listening public; and may be the final nail in the coffin for new folks hoping to work at Clear Channel Communications. Locally, KATZ-1600 and KSD-93.7 are already automated overnights, and expect KATZ-FM 100.3, KLOU-103.3, KMJM-104.9 and KSLZ-107.7 to cut loose it's overnight talent. The move will also affect two Class A Clears: WLW-700 Cincinnati, OH and WHAS-840 Louisville, KY. WOAI-1200 San Antonio, TX has been airing syndicated talk overnights for many years now. Eric Buenemann. NRC AM DX Newsflash

The trade magazine Radio & Records reports that **WAFN 1700 Miami**, will drop the English sports format on Monday, and flip to a Spanish Religious format. Brock Whaley WH6SZ Decatur,GA. AMFMTV internet group, 31/12/00

<u>VENEZUELA</u>: 1470 R Vibracion Carupano; there has been some debate over the identity of Union Radio Noticias also heard on 1470. It is a network relayed by R Vibracion amongst other stations. Vibracion observed switching over at 0341UT on 29/10. Other stations that take Union Radio Noticias were announced on air as: Caracas 1090kHz; centre of Venezuela 1110kHz; east and Caribbean islands 640kHz; also relayed on 980kHz La Voz de el Tigre; 1370 R La Pascua; 1470 R Vibracion for Sucre state. Also on 8 FM frequencies. www.unionradio.com.ve (Steve Whitt, MWC via NRC Soft DX Monitor)

<u>QSLs:</u> **KAVT 1680** Fresno CA USA, rec full detailed letter from Paul Shinn CE in 37d. Mentioned KAVT test was only running 5 KW Days and 1 KW nights. They should return in less than a month with Radio Disney format. Address: 139 W Olive Avenue, Fresno CA 93728 (PM-OR) 1680 KAVT CA, Fresno, rec. e mail QSL letter in 30d for taped report from V/S: Paul Shinn-CE. Mentioned that KAVT will be on in January 2001. Paul@ kstn.net (Patrick Martin. NRC AM DX Newsflash)

CJME 1300 Regina SK. Reply in 14 days, No Return postage sent. v/s: David M. Senft, V.P. Engineering, RAWLCO Communications ltd. Address: 210 -2401 Saskatchewan Dr. Regina SK S4P 4H8 CANADA Heard in Sheigra on 8/11. Vince Stephens NRC AM DX Newsflash... **KYNO 1300** Jess M Gonzalez, Prog Promo Dir; 2125 N Barton Ave, Fresno CA 93703; Patrick Martin. **KIFO 1380** [None]; 738 Kaheka St, Honolulu HI 96814-3726; Patrick Martin. **KRAK 1470** Matt Greer, Asst CE; 5244 Madison Ave, Sacramento CA 95632 Patrick Martin

Late News of another DX Test (Chief Ed)

WFBS-1280 in Berwick, Pennsylvania will conduct a DX test on Saturday February 17, 2001 from 0000-0200 (EST).(Note that this is Eastern Standard Time) The test will include tones, music, code and voice ID's on 1000 watts daytime power non directional.

Phone calls (not collect) accepted 570-752-8012. Reports with return postage: Kevin Fennessey, WFBS, 114 Market Street, Berwick, PA 18603 USA.

(Arranged by Dave Schmidt {who will do the test!} for the NRC!)

Promote the DX League on the Internet - use your free @radiodx.com e-mail address!

utilities@radiodx.com with Evan Murray, Auckland

Greetings for 2001 to all members with loggings aplenty, but firstly some **NATIONAL NEWS**. Nev McKenty, reports on a visit of three DC-3s to Napier as part of a South Pacific Airlines of NZ (SPANZ) commemorative tour of the country. Airlines whose DC-3s did the tour were operated by Pionair of Christchurch, Warbirds Dakota of Wanaka and New Zealand Aerial Mapping. Members will remember these aircraft were used for top dressing purposes after their lives as passenger carrying machines were finished. **INTERNATIONAL NEWS** includes an item on Concorde(note the "e" to distinguish from the British Airways Concord) stating that Air France had an aircraft which remained in New York overnight so that it was ableto make a flight back to Paris early the following morning. British Airways, wanting to resume Concord flight as early as possible are sending the rated pilots of this aircraft to use the simulator at Bristol/Filton so that they can remain "current", ready for when the aircraft comes back into service. (Courtesy "Short Wave Magazine")

"Minnows show the way in air control" is the headline of a most interesting article on Pacific air traffic. Members are advised to access the Auckland Herald's Business Section site 5 January. The article will continue on Monday 8 January, and possibly thereafter.

Click on www.businessherald.co.nz

2863	1000	Honolulu Volmet with wx for Honolulu, Oakland NM
4417	0934	Fishing Vessel Mayday. We're sinking half full of water. Later FV Vulcan advises 14 miles away. JC.
	1057	We all have lifejackets on. Batteries about to go. JC
	1146	Now abandoned. JC
	1204	FV Vulcan advises Taupo. We've got skipper and crew on board. JC
5547	0742	San Francisco/North West 935 PO
5550	0744	New York/Lufthansa 8251 PO
5574	0659	San Francisco/NZ 8 PO
5598	0756	Gander/TWA ? PO
5598	0725	Santa Maria/CO 4 PO
5616	0605	Gander/Seabird 47Y (Flugservice and Development GMBH Berlin) PO
5643	1057	Nadi/Express 91 JC
5649	0906	Shanwick/Pakistan 715 PO
5667	0929	San Francisco/NW 2 Have encountered moderate turbulence between
•		76 E — 180 E on track Wind 320/90 NM
5727	0740	ZKX RNZAF Auckland RTTY Baudot testing BM
6215	0615	ZLM Taupo Mayday ZMY 2587 Motor launch Ruamano position
		37.25 S 173.13 E course 230 magnetic 2-3 knots BM
6501	0950	NRV USCG Guam marine wx NW Pacific Bering Sea. Also NMN USCG
		Chesapeake Atlantic and Caribbean wx very confusing NM
6577	0638	New York/Continental 30 EM
6577	0643	New York/Varig 961 FL 330 Lenik 0708 DDP next EM
6577	0655	New York/Continental 30 FL 350 at 0739 fuel 75.4 Call 121.5 EM

6577	0841	New York/Korean Air 3101 fuel 36.9 call 132.2 EM
6577	0846	KLM 742/New York to Amsterdam position 24 N 63 W 26 N 60 W
		30 N 55 W 33 N 50 W EM
6577	0846	Unid 626/New York Maintain mach.81 Reequest .82 EM
6577	0848	Martinair 646/New York S/C JMDS (Either B763 PH/MCG or
		PH/MCV EM
6628	0607	Santa Maria/FAF 4175 at 36 N 20 W at 0604 (French Air Force) NM
6628	0703	New York /Traffic PO
6628	0703	Santa Maria/El AL 607 PO
	0730	Santa Maria/TWA 884 PO
6637	1153	NZ 54/Air NZ Dispatch Shut it down now Try a restart in Honolulu
		If low oil pressure this will inhibit restart Ring Tony in Hong Kong
		And see if he will be able to do a top up NM
6637	0742	Miami we're a cargo aircraft rego N601CG S/C GMEF from Managua
		to Bogota then Miami ETA is 1007 (Gemini Air DC 10 freighter) NM
6640	1049	New York/Otis 881 JC
6739	0650	McClelland AFB with Sky King Code PO
8764	0445	NMC USCG San Francisco with wx PO
8846	1850	DQLCM/Nadi What are your estimates for 10 S and 12.30 S? (Royal
		Tongan 801 terminating HF) NM
	0714	Unid Brazilian with traffic into Cuaiba PO
	1932	Auckland/Port Hutt 10 has arrived Chathams this time JC
8867	0850	Nadi/Hawaiian 465 on ground Pago Pago JC
8867	2218	Kiwi 009/Auckland Request Kiwi 022 for relay NM
8867	0420	Auckland/Cathay 108 PO
8867	0115	Canadian 3134/Brisbane Resume normal speed PO
8876	2235	Auckland/Canforce 1577 S/C ASCQ (Canadian Forces Airbus 310) JC
8879	2020	Perth traffic PO
8903	1300	Naha/Saha 324 S/C ARBQ (S/C unlisted Saha Airlines Service Iran) NM
8906	0420	New York/Delta 8007 PO
8942	1949	Hong Kong/Cathay Unid PO
8942	1950	Manila/Malaysian 561 PO
8957	0620	Shannon wx PO
8974	0951	Darwin/Kiwi 788 BJ
8992	0646	Lisbon Air Force in Portuguese PO
9031	0820	RAF Architect/Ascot 5276 PO
9032	0106	Kiwi 035 Runway wx for Ice runway BJ
9032	0845	Mac Centre/Various aircraft NM
9032	0932	McMurdo clears Skier to McMurdo via Pole 2 and Skier 91 is cleared to
0000	1010	McMurdo via Pole 3 JC
9032	1018	McMurdo requests KBG to relay SJB Both heard (Twin Otters) JC Skier 91 advises McMurdo at Pole 2 at 1035 Next Pole1 at 1132 JC
9032	1036	
9032	-	Kiwi 048/Mac Centre Runway 26 is operational Wind 170 6 knots
		Unrestricted visibility Runway 16 has traffic at 6000 ft Out of Williams Field
		Contact tower 126.2 NM

9032 2050	Skier 91/Auckland Confirming crossed Anopa (41 S 172 E slightly North of Wellington) Primary 9032 secondary 17904 FL 170 Request blocks 200-250. Your estimating Aporo (50 S 172 E) at 2220 Wx code 000 Estimate Dalos (60 S 170 E) at 0030 PSR 0055 NM
10018 1905	Iranian 711/Bombay Request FL 370 EM
10018 1906	Emirates 63/Bombay EM
10024 0920	Santiago/Qantas 116 at 64 S 120 W at 050 Next 64 S 131 W at 1020 NM
10072 2219	Royal Tongan 591/Air NZ Operations TAF Wellington Return plan should be OK Arrival should not be before 0200 NM
10072 2218	NZ 70/ANZ operation Current wx Auckland Hamilton Wellington There
	is a Notam on Hamilton Wx is no concern however centre line markings
	have been changed NM
11175 0400	Hickham AFB/Anderson AFB PO
11175 0748	USAF Incirlik payload details PO
11256 1600	Holloway active NM
11256 1922	Holloway/Ethiopian flight departed New York 1714/29 ETA Fiumicino 0059 JC
11256 0616	Holloway/Ethiopian 435 departed Beirut ETA Addis 1015 NM
11285 1259	JTV 251/Chennai Avoid overflying PPB (Port Blair) and Indian
	Territorial waters Call abeam Port Blair and call Chennai 126.15 We wish
	to refuel at Bangkok Repeat you have no authority to overfly Indian
11285 1955	Territory NM Chennai/Lufthansa 779 PO
11285 1955	Khartoum/HBILL at Aleb will call at PSD (Port Sudan) at 1837 Reg 390 NM
11300 1752	Cairo Sanaa/Khartoum Do you have any objections if HBILL climbs
11500 1752	390? NM
11300 1921	Tripoli/Mauritius 33 EM
11309 1715	New York/Blue Scan 945 at 27 N 60 E NM
11309 1715	New York/AEY 976 cleared to 340 (Aerlyon France) NM
11309 1740	New York/Jet Set 33c We have a medical emergency at 32.36 N 52.35 W Request diversion to Bermuda Advise company Manchester passenger has had allergic reaction and has difficulty breathing ETA Bermuda 1913 We have a nurse on board and want to give him adrenalin but she does not know how much He is 35 years and about 17 stones New York advises to QSY to 11342 for pp to Medical Centre Position given is just W of Bermuda NM
11309 0245	New York traffic PO
11342 1750	Jet Set 33C/New York pp to Doctor NM
11342 1847	New York/Jet Set 233C Pasenger is now breathing and talking normally and
	much more relaxed May be able to continue on our route NM
11345 0540	Stockholm/CTB 612 pp to company Our passenger is Roma We are reading
11004 1400	you S1 Do you have another frequency? (City Bird Belgium) NM
11384 1622	Unid/Hong Kong PO
11387 0400	Sydney wx PO

11396 1210	Manila/Ho Chi Minh Do you have any knowledge of SAHA 324 S/C
	ARBQ Negative (Saha Airlines Iran) NM
11396 1900	Ujung/Air Italia 175 Posn EM
11396 1900	Ujung/Cathay 103 EM
11396 1852	Den Pasar/Royal Thai Air Force with posn JC
11396 2015	Perth/Singapore 216 PO
11396 0901	Malaysia 91/Manila BJ
12365 0849	Darwin Marine Radio listening out PO
12590 0715	JNA JN Tokyo Traffic RTY SITOR BM
12594 0700	IDR Italian Navy Rome with IDR 4, 5, 6 and IGJ 432, 43, 44 Traffic and
	testing circuit RTTY Baudot BM
13261 0304	Brisbane traffic PO
13261 0419	Nadi/Fedex 77A PO
13270 2249	New York wx PO
13282 0259	Honolulu wx PO
13285 0250	Guangzhou volmet in English PO
13288 0330	Bombay/Kuwait 302 PO
13288 1910	Mumbai/Air India 208 Nairobi to Mumbai airborne Nairobi 1616
	(Airbus 310 rego VT EJI) JC
13288 1802	Mumbai/World Airways 012 we are now in contact with Muscat NM
13288 1802	Mumbai/Swiss Air 192 with posn NM
13288 1802	Mumbai/Mauritius 750 posn NM
13300 1754	Santa Maria/Air Canada 868 44 N 40 W 1750 S/C CQLR (B747) NM
13306 1021	Mauritius Info/Mauritius 940 Ask Ops to fax Meal allowances form to
	Perth hotel NM
13306 1744	New York/AME 3193 40 N 40 W at 1820 (Aeronav Militar Spain) NM
13306 1753	New York/Navigator 705 radio check Destination Bermuda (Nova
	Airlines Sweden) NM
13354 1800	Iberian 6741/New York cleared Bogota NM
13354 1751	New York/AVE 1001 29 N 40 W at 1741 27 N 45 W at 1823 S/C CJES
	(Avensa Aerovias Venezuela) NM
13957.75 0723	MFA Berne Messages 5 letter groups RTTY Baudot BM
16817.50 0700	KPH San Francisco Traffic list RTTY SITOR BM
16842.50 0620	KEJ Hoolehua Radio Hawaii with traffic RTTY SITOR BM

Contributors — JC John Charlton, Greymouth, Kenwood R 5000 with 30m wire — BJ Basil Jamieson, Oamaru, Kenwood R 5000, Drake R 8 with 30 m wire — NM Neville McKenty, Napier, NRD 545, Icom R 70 with 60 ft sloper, Short Wave Listener, Discone —BM Bill Mannix, Pounamea, YAESU FRG 100, M400 decoder, 60 m wire, Alpha Delta Sloper PO Paul Ormandy, Oamaru Drake SP 4 with numerous aerials EM Evan Murray, Auckland, Kenwood R 5000, Yaesu FRG 7700 with T2FD, 30 m wire

Article by David Ricquish, Wellington part 1 of 6

DXING AUSTRALIA ON MEDIUMWAVE

DXing Australia is a challenge. With a continent as big as the USA, 6 states and 2 territories, and hundreds of AM stations, it's fun to explore Australia by radio. In the coming months, we feature a special six-part Australian Radio Tour prepared by DXer David Ricquish designed to introduce you to every corner of Oz. For DXing, listening and QSLs, Australian radio offers a mix of easy catches and very hard to hear signals.Let's see your results in the MW Trail this year, from 50kW to 50watters!

•(In the first part, we take an overview of recent changes both in Australia and here in NZ.

- •(In the second part, we tour Perth and Western Australia home of the rare '6' callsign prefix.)
- •(In the third part, we tour Adelaide, South Australia and on into the Northern Territory.)
- •(In the fourth part, we tour Queensland, as far north as the Timor Sea)
- •(In the fifth part, we tour Melbourne, Victoria and across Bass Strait to Tasmania)
- •(In the sixth part, we tour Sydney, all across NSW as far west as Broken Hill, and Canberra, ACT)

Australia/NZ AM stations power up! By David Ricquish, Wellington

It's been great to see Aussie AM calls in the December Trail. Many older DXers will recollect the ease with which trans-tasman signals could be heard, but the same isn't true today. In fact, many Aussie signals are downright difficult, and the future brings mixed signals!

Good news. Maybe.

Aussie commercial stations now have the option of increasing daytime transmitter power, with power shifting between day and night. Initially restricted to some metro stations (such as 4BC, 4BH, 4KQ), the option of day/night switching is now available to all under new guidelines released by the ABA in late December.

Another option is to increase both day/night powers, so long as they use new directional tower systems.

The ABA requires no QRM to services in surrounding licence areas, or via skywave, and all power changes have to be monitored continuously with an electronic logging system. This should prove helpful to DXers once introduced.

The power increases are allowed because stations have been reporting that listeners experience coverage and reception difficulties. This is attributed to population spread on the outskirts of existing coverage areas and increases in man-made noise caused by this urban expansion.

So, 5kW stations may increase power to 10kW or even more during daytime, and some may keep the higher power at night with new DA systems. The result, from a DXers viewpoint, is that a relatively small number of metro signals will be heard more easily here. That's good news for some.

Unfortunately, it also means that weaker regional and country market signals will probably be swamped by co-channel metro signals, and we can expect greater QRM to

skywave signals in New Zealand.

Bad news. Maybe.

So what can New Zealand stations do to protect their service areas? Interestingly enough, nearly all AM stations here are operating at considerably less than their permitted powers, and they have no restrictions on increasing their night powers.

Two stations are allowed to run 158.4kW, more than three times their existing 50kW: 2YA Wellington 567 and 2YC Wellington 657 are the Kiwi powerhouses. They also share New Zealand's tallest AM tower at 220 meters at Titahi Bay.

Several other stations are permitted 63kW: 2YZ 630, 3YA 675, 4YZ 720, 1YA 756, Wellington Access Radio 783, 4YA Dunedin, 2ZB 1035 and BBC Auckland 1476 and all operate at less than one-third of the maximum power.

Allowed to power up to 31.6kW are Radio NZ 657 (currently non-operational at the Paengaroa site near Tauranga), Radio Pacific 702, 1YZ 819, 4ZA 864, 1YC 882, 4YC 900, Southern Star 909, Radio NZ 918 (currently non-operational at the Kumara site near Greymouth), 3YC 963, 1ZD 1008, 4ZB 1044, 1ZB 1080, and Radio Sport 1332.

Whilst many of these stations are unlikely to increase transmitter power as the move towards FM continues, it's worth remembering that the right to power up remains even if a new station format or owner occupies any of these channels in the future.

DX hopes remain!

At least in New Zealand, some DX targets remain with a number of low powered transmitters, even if they did power up in some cases. The lowest permitted power here is 100 watts for the local station in Kingston, Central Otago on 1422.

Other low powered maximums include: 251 watts for Waihi Community Radio 1107 (non-active after moving to FM); 316 watts for local radio in Ranfurly (Central Otago) 729, Radio Otago (Wanaka) 1179, 1XX Murupara relay 1242, Radio Ferrymead 1413, Radio Network, Twizel (non-active) 1485, a second local radio service for Ranfurly 1512; and 398 watts for local radio in Palmerston (Central Otago again) 954.

Again, these stations currently use about one-third of their approved maximum powers, and are nearly all in Otago or South Canterbury.

Australia/NZ have different systems.

In New Zealand, individual AM frequencies are leased by tender, normally for 15 years and can be transferred, bought and sold as assets subject only to the Commerce Act provisions of competition. Foreign ownership is dominant and has no restriction.

Licence holders can operate within the maximum power and other requirements of each frequency, lease frequencies to others (such as Radio NZ leasing the YC and Parliamentary network to Southern Star) and have no obligations to provide a local service, any specific format, or even to originate programming within New Zealand (such as Radio Sports overnight relays of a Florida AM sports station in Tampa/St.Petersburg).

In fact, as DXers now know, there's no longer even a formal call-sign allocation system in New Zealand. Nearly all call-signs still used are historic in nature, an increasing number

of stations don't use them on air, and many newer stations simply don't have one. National Radio increasingly uses its brand name only, NewsTalk ZB is a brand covering many more stations than the original four, and Radio Rhema and Southern Star use their call-signs only on QSL cards!

In Australia, AM radio (in fact all broadcasting) is strictly regulated by the ABA (Australian Broadcasting Authority), with limited foreign ownership permitted and a byzantine maze of rules and regulations covering every aspect of radio.

The foundation for the system is a Licence Area Plan, of which there are 36 in NSW, 15 in Victoria, 21 in Queensland, 7 in South Australia, 17 in Western Australia, 6 in Tasmania, 2 in the Northern Territory, 3 covering Remote areas and 1 nationwide.

Within each LAP, frequencies are allocated along with transmitter powers, and services are divided into national (which are operated by the ABC and SBS and which can be established at any time by the Australian government); commercial (such as the AM stations DXers are familiar with), community (the last remaining AM stations such as 5UV Adelaide, 3CR Melbourne and 4EB Brisbane are all migrating to FM) and narrowcast (such as 4PHR 1296 Brisbane or ethnic stations like Radio Italia) which has a limited audience.

The ABA decides how many of what kind of station is permitted in each LAP. These regular reviews often result in an avalanche of new stations and operational changes. The new Brisbane LAP resulted in 17 new stations for the area from Sunshine Coast in the north, to Ipswich in the West and Murwillumbah/Gold Coast to the south.

Recent metro LAP changes have included Melbourne, Adelaide and Perth and although most new stations are FM, the AM frequencies get shuffled around, mainly to narrowcast services, and power increases are approved to improve AM coverage.

The Sydney area is growing so strongly that there are separate LAPs for Sydney, Western Suburbs Sydney, and the Campbelltown area to the south-west (older DXers will remember 2CT 1602 AM from here back in the 1970s), and decisions on services are made keeping in mind QRM and signals from surrounding LAPs in Gosford (north), Katoomba (west) and Wollongong (south).

Licence holders are obliged to keep in mind community interests on being granted a licence (no Australian stations originate programs from other countries) even though they have freedom (currently) to network all programs over other commercial or community stations. A recent review of AM and FM rural radio services may result in a requirement for more locally produced programs, at least during daytime, although overnight services will remain networked from stations such as 2KY Sydney 1017. The recent NSW floods revealed many problems with local radio, even 'local' weather forecasts are originating from studios 500-1000km away in some cases.

Unlike New Zealand again, there are few nationwide format brands (like our Classic Hits or More FM), with stations keeping their local identity. This is imposed through the allocation of call-signs to every station, their use of call-signs on air still and legal limits on how many stations one common owner can have in each LAP or across a group of LAPs. Individual towns still maintain a greater degree of identity and local character than in New Zealand.

Even the ABC networks are divided into a large number of metro and regional services with popular local programs at breakfast time, local rural news and arts programs originating from local studios. Despite various cutbacks and restriction of services, they remain local in flavor. National Radio in New Zealand no longer has any local programs by comparison.

There are also 100+ FM stations operating or planning to operate temporary services throughout Australia. These broadcasts give the ABA the chance to evaluate a planned new service, testing frequencies and powers within an LAP.

Australia a great DX target

With many hundreds of AM stations, both ABC (National, Regional and News Networks) and commercial and narrowcast, Australia remains a great DX target for New Zealand DXers.

Many of the channels are shared with NZ stations and several other Australian stations, and DXers can choose to DX state by state or across a range of states. Whilst stations in NSW, Victoria and SE Queensland are (relatively) easier to hear, it's more of a challenge for northern Queensland, South Australia and Tasmania. Signals from Western Australia are rare these days, as are those from the Northern Territory, but there are many stations to hunt for.

The use of simple 100 and 200 foot longwire aerials should bring in many good signals, a loop is great to null the pesky Kiwi stations or powered up Sydney, Melbourne and Brisbane stations, and some tricky beverage antenna systems should bring in WA and NT! Along with Asian signals from the Philippines, Indonesia and Malaysia.

Despite the 1000 mile seapath, Aussie signals can sometimes be heard with groundwave in daytime (in Northland, Taranaki and the West Coast), and through the night with often surprisingly good signals in the dawn period and later here (as it's still dark in Australia) mixed with signals from India, Middle East and Europe if you're fortunate during the equinox months!

I hope this overview of AM in Australia and New Zealand, possible power changes, and the differences between our two systems gets you interested in checking out the AM Aussies in 2001, contributing to the Trail, and getting some QSLs!

adcom.news@radiodx.com compiled by Bryan Clark, Auckland

WELCOME TO NEW MEMBER BRENT WALSH, 27 Rimu Street, Hamilton. Brent joins our ranks with encouragement from long-time member **COLIN CAMPBELL**, who is the first to take up the special 'Santa Claus' discount offer publicised in last month's magazine (page 5). Brent was a guest at last October's Annual General Meeting - hope you get many hours of pleasure tuning the shortwave bands!

NEW YEAR GREETINGS to all members from the Administration Committee. As we enter the 21st century proper, we hope you will enjoy good radio monitoring this year. 2001 is the year that the NZ Government is set to auction off frequencies in the upper FM band (101-108mHz), as well as move forward with its plans for a return to more public service broadcasting by TV1. Lets hope the wider availability of FM channels might yet see some relief for MW DXers chasing foreign stations on a cluttered local AM band. International shortwave broadcasting will likely see countries like Switzerland and Austria cutting back their use of SW in favour of internet and satellite feeds. But with the vast majority of the worlds population still without

access to these new technologies (which are still capable of government censorship - as in China). Lets hope that the authorities will not lose sight of the value of shortwave for cross border mass communication. We may begin to see low cost digital SW receivers in a year or two - with the potential to revitalise international broadcastina. Though they might actually prove unpopular with the DX community if bandwidth interference problems are not addressed. So, listen on, and let the DX Times sub-editors know what you're hearing!

ANNIVERSARIES On Christmas Day 2000, World Harvest Radio celebrated its 15th birthday and released a special 15-year anniversary QSL card for reception reports If you want the special card please specifically ask for it when writing in. We are also celebrating the 5th anniversary of the weekly "DXing with Cumbre" programme compered by MARIE LAMB and broadcast 24 times every weekend by World Harvest Radio's stations KWHR, WHRI or WHRA. Best reception times in the South Pacific are:

? KWHR Hawaii - Saturdays at 0100 on 17510, 0600 on 17780kHz, Sundays at 0600 on 17780, 1830 on 17510kHz.

? WHRI Noblesville Indiana - Sat 0600 on 7315 & 5745, Sat 1900 on 13760.

? WHRA Greenbush Maine - Fri 2230, Sat 2230 & Sun 1705 on 17650kHz.

Congratulations to World Harvest Radio and DXing with Cumbre!

NEW RADIO BOOKS For aficionados of Drake and Grundig radios, 2 books have just been published. 'A Family Affair - the RL Drake Story' by John Louahmiller provides the behind-thescenes story of the Drake Company, focussing on the glory days when Drake was king in amateur radio (and in DX listening circles!). The 306 pages include photographs and a huge section of useful circuits and modifications for many Drake radios. 'Grundig Satellit - All Models in Word and Picture' by Thomas Baier is 126 pages long, with over 120 photographs. Each model in the Satellit series of receivers produced between 1964 and 2000 are detailed. Universal Radio Inc (www.universal-radio.com) is selling the books for US\$29.95 and US\$19.95 respectively.

RADIO COUNTRIES For those members keen on logging and verifying new radio countries, the current AFRTS transmissions from Puerto Rico and the Indian Ocean island of Diego Garcia mean you can count 2 new shortwave radio countries - PUERTO RICO and the CHAGOS ARCHIPELAGO (also known as the British Indian Ocean Territory). Most hobby clubs are allowing these out-of-band SSB transmissions to qualify as valid SW broadcasters. Last month there was a lively email debate amongst club members regarding whether MONACO can be counted as a radio country, since it seems most radio transmissions emanate from sites iust outside the territory of this micro-European state. Major clubs, including the North American SW Association, have elected to allow loggings of the Vatican Radio and Radio Monte Carlo/Trans World Radio to qualify as valid 'radio countries' even though it could be argued that transmission facilities are located in Italy or France respectively. DAVID RICQUISH, whose wife JOCELYNE comes from Monaco, says that Radio Monte Carlo broadcasts from studios in Boulevard Princess Charlotte in Monte Carlo. The building is about a stone's throw from the border (which is unmarked) with France. The Mount Agel aerial arrays are clearly seen from several of the corniche (coastal roads) as one enters Monaco from the north. They're up the hillside, outside the principality and beyond Beausoleil, a French town which borders Monaco inland. Ruled by the Grimaldi family for over 800 years, Monaco once extended over a

much wider area (including Mount Agel) and even included Menton on the Italian border. David says that Trans World Radio had to get agreement from Prince Rainier to broadcast from Monaco, including the Mount Agel facilities, not the French authorities. But the decision of DX clubs to allow this site to aualify as the radio country Monaco now seems vindicated by a response that PAUL ORMANDY has just received from the Monaco Government Tourist Office - they advise that the land at Mount Agel is rented from France by Monaco. The lease is for 100 years, renewable.

WORLD RADIO CONFERENCE 2003 Planning for this event, expected to take place late 2002 early 2003, is well under way with the US Working Party 10a headed by Walt Ireland focussed on sound broadcasting below 30mHz. Two topics this group is pushing to be on the WRC 2003 agenda are additional frequency allocations needed for broadcasting in the 4 to 10mHz range, and harmonisation of the usage of the 7mHz band. Digital shortwave broadcasting itself will require more spectrum space, if for no other reason than to accommodate the transition period from analogue to digital. It may be also inherently require more spectrum space because each digital channel may have to be wider than a corresponding analogue channel. Any allocations that are made will come about at WRC 2006. So there will be a request for a considerable amount of additional frequencies at the WRC 2003.

Concern continues regarding potential severe interference to MF and HF broadcasts by wideband, high-speed data transmission on power lines. (Walt Ireland NASB newsletter report via Michiel Schaav via Wolfgang Bueschel via Barry Hartley)

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SOUTHLAND BRANCH NOTES

We held our December Meeting at Steven Greenvers and there was 8 Members present along with some of their Wives. President Lindsay Robinson kept the meeting short and brief. The Branch has accepted the erms and conditions of DOC for the continued use of the house on the Tiwai Smelter land , for another year(the rental is \$200.00 plus GST per year) hopefully we will get more use from it this year. Several members indicated they would be away for the holidays, and on a sad note we report that Branch Member Stan Simons passed away recently. Stan became interested in the Hobby just a few years ago and was always a regular attender at the meetings and will be missed at meetings and our social activities that we have from time to time.- Paul Aronsen

NORTH OTAGO BRANCH NOTES

At our regular monthly Meeting, which was well attended, we spent time being shown two web sites which trace the orbit of the Space Station. Both these sites provide a great deal of information and from them times that it will be visible in any area can be found.

Members continue to take part in the Frequency Competition which is compliled by a different Member each month.

This month we are going to meet at a coastal site north of Oamaru to carry out experiments with long wires laid out in various directions along the ground. We are looking forward to an interesting evening. Basil J.

Article by Barry Williams, Auckland

2001 A Space Odyssey

Barry Williams expands on David Ricquish's idea of 2001 a Space Odyssey. An interesting article which makes you wonder how long before there are DXer's in Space!! (Chief Ed)



Artists rendition of what the completed International Space Station should look like. (From the NASA website)

There I was aboard the space station armed with my Sony and 1000 feet of wire ready for some DXing. My wife Alice really went to great lengths for my Christmas present this year! I checked my Sony, alive but no signals as expected. The metal shielding of the space station cuts out all RF. A day later and I have convinced the commander that a space walk was essential to decouple the UHF dish and connect my beverage onto the coax lead-in. It took a promise of a dozen cans of beer on our return to earth.

The first major technical problem now emerged. The 1000 feet of wire was just floating around the station in a tangled mess We all know that the beverage antenna had to run in a straight line directed towards the Orion Nebula, my target area. With my advice the chief engineer resolved this matter with the use of a sling shot, propelling the insulated weighted far end of the wire straight out in the desired direction.

I wanted to be the first to hear and verify the Orion Galaxy on medium wave. Now you may ask how I knew that they would have wireless way out there. Well according to the experts there are 100 million stars in that galaxy and the odds are there should be 100 planets with a civilization with radio. So being in a positive frame of mind I started tuning the broadcast band.

There were signals galore across the band in many weird and wonderful languages., but I knew that with the effective directional powers of the beverage the stronger signals must come from the Orion. The strange sounds were duly recorded and a reception report assembled on tape. As the postal system does not yet cover the Orion Nebula, so for a second dozen of beer I conned the stations radio officer to transmit my tape recording with a request for a verie in the direction of the Orion.

I duly arrived back on earth in time for New Years Eve, and celebrated accordingly. 2 am in the morning found me on my way home and I was surprised to find an alien looking flying

saucer hovering over my front lawn. It was not until I looked in my letter box a couple of days later that I found the prized QSL from the Orion Nebula, at least I think that is what it is. I cannot read it. Never the less it has pride of place on my wall and I do wonder how it came back so fast considering Orion is 120 light years away!

EDXC (European DX Council) 2000

The 34th Annual Meeting of the European DX Council was held in Spain from the 12th to the 15th October in Castelldefels 20 kilometres south of Barcelona. It was organised and hosted by the Asociacion DX Barcelona and was attended by 50 participants from Australia, Czech Republik, Denmark, Finland, Germany, Italy, Spain, Sweden, UK and USA. Together with representatives of broadcasting organizations.

The organised programme started on the Friday with a visit to the Radio Liberty/Radio Free Europe transmitter site at Playa de Pal, 120 kilometres north of Barcelona. The station is equipped with six 250kw Transmitters feeding four groups of curtain arrays which can be connected to the transmitters in a variety of configurations via a computer controlled antenna switching matrix.

The site has been chosen to provide first hop coverage of audiences in the Baltic States and the principal population centres in the western part of the former USSR with second and third hop coverage for the remainder of that country.

On arrival at the site the station manager gave a brief introduction about the station before taking us in a conducted tour of the transmitter building, but unfortunately the incessant rain prevented us from visiting the antenna farm. The conference opened on the Friday evening with a reception at the hotel.

On the Saturday morning the ADXB President Jorge Presas officially opened the conference after an introduction by the EDXC Secretary General Risto Vahakainu. This was followed by a talk by Francisco Rubio on the future of international broadcasting. The use of high power shortwave transmitters to reach the target audience was decreasing and being replaced with satellite feeds to local FM station and cable networks providing improved signal quality and reliability for the listener. In those areas of the world where shortwave is still the best ways to reach the audience, broadcasters are opting for leasing transmitters rather than constructing new transmission facilities or upgrading existing ones. The introduction of Digital Audio Broadcasting on shortwave is awaited with interest once an internationally agreed system has been developed and tested.

The next item was a presentation by Enrique Fernandez formerly with the Spanish Service of Radio Moscow on an evaluation code for reporting on shortwave broadcasts. The intent was to augment the technical content with a similar SINPO code to convey to the station the listeners reaction to the programme content. This was considered to be of more value to the broadcaster than the signal quality.

This was followed by the Broadcasters Forum with representatives from DW, IBB, ORF, FEE, RFA, RKI, RVI, Vatican Radio and Radio Prague. The common theme was the continued cuts in the station budgets for shortwave broadcasting, resulting in fewer foreign language broadcasts and the increasing use of real audio and web pages on the Internet for the remaining services. The increasing use of e-mail was resulting in a general increase in listener contact with the stations

The above has been edited for the relevant points - Chief Ed

Thank you to League member George Brown of Scotland for sending the information on the EDXC 2000 Conference.

And to wrap up this issue of the DX Times advice from ex-Chief Editor Andy Gardner in Mexico to say that the radiodx.com mailing lists on the Internet are back up and running again.

To subscribe to the mailing lists go to the DX League webpage at www.radiodx.com and click on the mailing list link or go to http://radiodx.com/cgi-bin/listargate.cgi and choose the mailing list you wish to join.

You have a choice of Shortwave (Ripple), Mediumwave (Greyline), Utility (Ute), and FM/TV (Tropo).

Important:

Please note you can only post DX information to the mailing lists from the email address you subscribed from. This is to stop unauthorised people posting junk email to the mailing lists.

LEAGUE STATIONARY NEWS

Good news. With the help of Laurie Boyer we again have AEROGRAMME REPORT FORMS in stock. Over the years these have been our most popular seller. With the increase in postage in 2001 it will be worthwhile considering the use of these report forms. There was a small rise in cost but stationary has held the price at \$10 for 50.

PLEASE NOTE: The new layout of the aerogramme report form has almost doubled the amount of space now available for writing in program details.

Also note we again have stocks of English prepared cards. These are helpful for verifying those difficult stations.

And as a SPECIAL for a limited period of time, we are offering, a LOG BOOK and a LEAGUE LAPEL BADGE at \$5.00 for the two. Every listener should keep a logbook and by wearing a lapel badge one is promoting the hobby. It may mean a new member for us.

Barry Williams

Stationary Manager

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