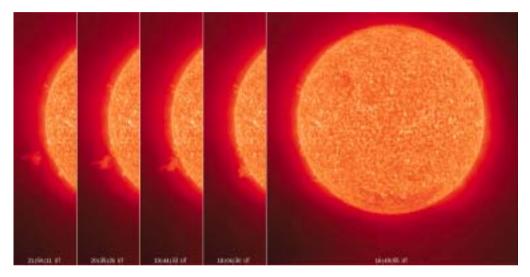


New Zealand DX Times

Monthly journal of the
New Zealand Radio DX League (est. 1948)
August 2004 - Volume 56 Number 10
http://radiodx.com





The Sun

The Solar and Heliospheric Observatory (SOHO), a joint project of the European Space Agency and NASA, took this sequence of images with the Extreme Ultraviolet Imaging Telescope, one of the observatory's 12 instruments. Easily visible on the lower left side is an "eruptive prominence" or blob of 60,000 F (33,315 C) gas measuring more than 80,000 miles (128,747 km) long. When the observatory took the image on February 11, 1996, the blob was traveling at more than 15,000 mph (24,140 kph). Eruptions such as these occur when a significant amount of cool dense plasma or ionized gas escapes from the low-level magnetic fields in the Sun's atmosphere. When they occur, they sometimes disrupt power and communications. With SOHO, scientists hope to observe these events more often and perhaps get a better idea of how they occur. SOHO observed these events during the minimum phase of the Sun's 11-year activity cycle.

CONTENTS

REGULAR COLUM	NS
Bandwatch Under 9	3
with Ken Baird	•
Bandwatch Over 9	7
with Stuart Forsyth	•
Fcst SW Reception	9
Compiled by Mike Butler	
English in Time Order	10
with Yuri Muzyka	
Shortwave Mailbag	11
with Laurie Boyer	
Shortwave Report	12
with Ian Cattermole'	
Dxissmo	17
with John Durham	-•
Utilities	19
with Evan Murray	
TV/FM	22
with Adam Claydon	
Broadcast news/DX	28
with Tony King	
Australian X Band	36
Compiled by David Ricquish	
ADCOM News	40
with Bryan Clark	
Branch News	42
with Chief Editor	
Ladders	47
with Stu Forsyth	
·	
OTHER	
RNZI Schedule	19
by Adrian Sainsbury RNZI	
AWR Wavescan	22
Contest Rules	
League Subscription	25
Form	
Questionnaire	26
	43
NZ Reception of	73
Europe in mid Winter	
by Mike Butler	44
MarketSquare	44
Jamming and	45
Interference	
By Rohan Wahrlich	

FRONT COVER

The Sun

Source of life but also source of much anguish to DXers during periods of major Solar Flares and Sun Spot Cycles. A series of Images taken by Nasa SOHO spacecraft.

Photo and commentary sourced from NASA website.

League Subscription Form and Questionnaire Page 25/26

Please remember to pay your subscription if it is due and also fill out the questionnaire.

Thank you very much to those of you who have paid their subscription and returned the questionnaire. Feedback from the questionnaire will be published in the magazine in approx 2 or 3 months time.

bandwatch.under9@radiodx.com



Compiled by Ken Baird, Christchurch

Please note that all frequencies should be in Kilohertz and <u>time in UTC</u> (= GMT = UT), # indicates reception out of the Sth Pacific area, initials in **Bold** indicates report sent. Also, would you please add the date of logging to your information.

kHz	UTC	Country, Station, Programme, & Reception Details
2410	0845	AUSTRALIA, ABC Territory Radio fair in English with sports results, ID 0900 KVB 25/7
2460	0945	BRAZIL?? R Alvorada (tent) poor in Portuguese with relig songs — KVB 20/7
3235#	0310	BRAZIL, R Guaruja Paulista poor with a mix of Portuguese vocals and talk by woman// 5045 - # RAD 23/6
3300	1000	GUATEMALA, R Cultural fair/good in Spanish with music — AJS 15/7
3306#	0235	ZIMBABWE, R Zimbabwe with MA in vernac hosting prgm of Afro vocals, ID as "Radio Zimbabwe" 0300 and 0307, poor/fair - # RAD 29/6
3365	1000	PNG, R Milne Bay good in English with preaching — AJS 15/7
3560	1651	NTH KOREA, V of Korea poor/fair in English with bright music, bad QRN// 9975 stronger and clearer — CC 5/7
3925	0938	JAPAN, R Tampa good in Japanese — AJS 12/76
3975	1900	HUNGARY, R Budapest poor in English with ID and talk — RAP 15/6
4319	0410	DIEGO GARCIA, AFN fair/good on USB in English transmitting bursts of data, scratchy — CC 18/7
4747	0930	PERU, R Huanta 2000 fair with music — AJS 12/7
4750#	0237	SUDAN, R Peace tuned in to Spotlight prgm in English. Good ID and freqs0244, more music, another Id then relig prgm in Afro language, poor/fair - # RAD 27/6
4750	1003	INDONESIA??? RRI Makassar (tent) poor in presumed Indonesian with Koran KVB 14/7
4780#	0240	GUATEMALA, R Cultural Coatan poor/fair with ID in Spanish followed by s/off announcements and light music, no Natl Anthem. Also heard on 26/6 with music and Spanish talk # RAD 23/6
4810#	0320	MEXICO, XERTA, Radio Transcontinental de America with Spanish talk by man and woman followed by vocals, return to political report by 2 men, fair by CODAR and a growl marred reception - # RAD 10/7
4835	0757	AUSTRALIUA, ABC Territory Radio fair in English with "Grandstand Football", ID 0800 — KVB 18/7
4840#	0020	INDIA, AIR Mumbai opening with Hindi music to 0025 when man gave Hindiu talk, 0030 EE ID and news, poor - # RAD 14/7
4845	0628	MAURITANIA, R Mauritanie fair with IS, ID, Koran — KVB 7/7
4950	1858	SAO TOME, VOA fair/poor in English with s/on and "House Call", subject Malaria, ID 1858 — KVB 20/7
5010#	0016	INDIA, AIR Thiruvanthapuram with IS at 0018 Hindi vocal 0020 followed by Hindi talk by man, ID 0029, 0035 English ID and news, fair - # RAD 14/6
5025	0630	CUBA, R Rebelde v good in Spanish with music, ID 0701, then news with

		Washington and Bush mentioned — RAP 26/6
5030	0730	COSTA RICA, University Network poor in English with Dr Gene Scott, address and ID 0737 — R AP 22/6
5765	0358	GUAM, AFN good on USB in English with relig message — CC 18/7
5975	0501	UK, R Japan via Rampisham good in English with new, 0505 freq details, 0533 Guest Corner — RFK 18/7
5975	1750	STH KOREA, RKI good in Korean with MA/FA speaking// 7150 not as clear
39/3	1/30	CC 11/7
5995	0950	AUSTRALIA, R Australia good in English with call-in prgm — AJS 30/7
6005#	2357	GERMANY, Deutschland Radio with music, brief announcements by woman
		in German before 3 time pipos at 0000 then man with ID and news, 0005
6010.1#	0040	ID and rock prgm, poor to fair improving - # RAD 12/7 COLOMBIA, LV de Tu Conciencia with 2 of 4 Txers off the air, heard with ID,
0010.1#	0040	not as strong as usual, music, quick ID, more music. Not sure if this was
		conditions or reduced power # JB 11/7
6015#	0303	ZANZIBAR, V of Tanzania-Zanzibar (very Tent.)heard snatches of Arabic
		vocals fading in and out with a weak signal - # RAD 10/7
6025#	0220	BOLIVIA, R Illimani with fast talking Spanish and coverage of football game,
		jingles, ads, laser sound effects, s/off ID and announcements 0245 - # RAD 14/7
6030#	0400	GERMANY, Sudwestrundfunk with news in German followed by pop music,
		ads, brief discussions by 2 MA in Morning prgm, poor/fair during Marti's
		silent period - # RAD 28/6
6040#	0020	BRAZIL, R Clube Paranaense with fast talking man with football game, jingle
		vIDs, ads, fair - # RAD 9/7
6055	2100	UK, R Japan fair in English with news with Chris, Full ID and freqs 2105
/O/F	1000	followed by songs, fading signal — RAP 22/6
6065	1930 1839	SWEDEN, R Sweden good in English after IS, ID with 60 Degrees Nth — KAB 21/7
6115	1039	AUSTRALIA, Voice Intl good in English with pop vocals, ID 1840 as "Voice Music Club" — KAB 18/7
6115	2000	AUSTRALIA, Voice Intl poor in English with music, lots of singing, ID address
		given 2020, fading signal — RAP 21/6
6145	1900	UK, RKI via Skelton good in French with R Korea mentioned 1900, then talk,
		music — RAP 24/6
6185	2025	ITALY, RAI giid in English with usual chirps, ID 2025, s/off 2045 to Middle
4050#	0044	East — RAP 20/6 PIDATE (NH) And Contain Adams with old non-and ID 0200 fair. # PAD 20//
6950# 6974.5#	0244	PIRATE, (Nth Am) Captain Morgan with old pop and ID 0302, fair - # RAD 30/6 ISRAEL, Galei Zahel in Hebrew with pops and phone-ins, fanfare 0100 ID
09/4.3#	10040	and news read by man - # RAD 17/6
7185	1849	BANGLADESH, Bangla Betar fair in English with talk on origins of language
7105	1047	in Bangladesh — KAB 18/7
7185	1915	BANGLADESH, Bangla Betar fair at s/on 1914 with mentions of Bangladesh,
, 100	1710	new country for me! — RAP 28/6
7190	0434	TUNISIA, RTV Tunisienne good in Arabic with MA speaking // 7275, 9720
-		the same — CC 4/7
7200	0815	RUSSIA, R Yakutsk good with fair audio in Russian, Switches to R Rossii 0900

7210#	0218	// 7345 fair, ID 0830 — KVB 3/7 BELARUS, R Minsk fair in English with feature about crime, ID 0222then musics/off 0228, IS and multi-lingo IDs 0230 followed by prgm in Belarusian
7210	0513	# RAD 23/6 STH AFRICA, Channel Africa poor/fair in English with Sports News, noisy //
7210	1843	9270 stronger and clearer — CC 4/7 ALBANIA, R Tirana fair with ethnic songs followed by ID and long discussion in unid language — KAB 18/7
7215	1733	TURKEY, V of Turkey fair in Turkish with male soloist // 9560 stronger and clearer — CC 11/7
7235 7235	2006 2015	CANADA, RCI good in English with World news, "Canada Today" ID 2016 — KAB 21/7 CANADA, RCI v good in English with current events prgm, full ID 2018 then Euro 04 results, host Jim Craig, then Spotlight Prgm — RAP 23/6
7240 7240	0623 1857	PORTUGAL, RDP Intl good in Portuguese with folk songs and jazz, ID 0630 KVB 6/7 AUSTRALIA, R Australia fair in English with comment on drought, ID 1900 followed by news — KAB 18/7
7250 7285	0506 2159	VATICAN, R Vatican fair/good in English with Vatican news, some QRN — CC 4/7 MADAGASCAR, RN fair in Indonesian with s/on, jazz and Euro music, EE ID 2230 — KVB 20/7
7300	2000	VATICAN, R Vaticana good in Russian with lots of singing, ID 2016, 2028, gone 2030 — RA P 13/6
7305	0300	VATICAN, R Vaticana poor in English with Vatican news then IS 0310 and off KAB 27/7
7315 7315 7325 7350	0310 0847 0300 2112	USA, WHRI with Christian pops in English and Spanish, good — KAB 27/7 USA, WSHB good in Spanish with WHRI prgmming, ID 0857 — KVB 4/7 UNKNOWN, BBC WS good in Spanish with news — KAB 27/7 MOLDOVA, Family Radio good in English with Bible Study Lesson to 2147
7405 7415#	0315 0000	when Family Radio address, then Sound of New Life — RFK 18/7 USA, R Marti in Spanish to Cuba — KAB 27/7 USA, Radio Six Intl via WBCQ with special broadcast to Nth Am by this Scottish
7425 7450#	0300 2234	stn with mix of music on the Tony Currie Wireless Show, news 0100, some e-mails read, one from JB and one from myself, excellent - # RAD 1/7 USA, WEWN with ID in Spanish and then into news in Spanish, good — KAB 27/7 GREECE, Radiofonikos Stathmos Makedonias with prgm of Greek vocals with MA with brief Greek talk, ID and s/off 2350 followed by Natl Anthem, fair - # RAD 29/6
7460	0600	ALGERIA??? R Nacional RASD (Western Sahara) good in Arabic with s/on, Koran, music and talk, ID 0601 — KVB 4/7
7490	0551	USA, WJIE v good in English with Christian Media Network prgm pushing herbal remedies until past 0630 — RFK 24/7
7505#	0154	USA, KTBN still here in English relig fare, ID 0200, announcement about going off the air noted 0230, good - # RAD 22/6
7520	0640	USA???, R Taipei Intl poor in Russian with talk and pop music, French from 0700, ID 0740 — KVB 6/7
7535	0451	USA, WSHB Cypress Creek with WHRI prgm with full WHRI ID at 0500 then

		Cumbre DX Prgm, further ID 0530 then prgm live from Studio B, v good in
		English — RFK 24/7
7545	0300	UKRAINE, R Ukraine poor in English with s/on 0300 with good ID then news,
		another ID, music — RAP 22/6
7580	0700	USA, WEWN fair in English with talk about Da Vinci Code and St Peter with
		some talk-hack // 5825 — PAP 26/6

Logging of the month

is awarded to

Kelvin Brayshaw for Clandestine R Nacional RASD (Western Sahara), Algeria, on 7460

My thanks to all the contributors with a good variety of loggings this month.
73's,
Ken Baird

CONTRIBUTORS FOR THIS MONTH

Andrew Sunde, Ohai, ICF-2001, 40m wire

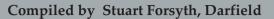
AJS

CC	Cliff Couch, Paraparaumu, A15 803A, 60m norizontal 100p.
JB	Jerry Berg, Lexington, MA, USA, R8, 19, 41, & 90m dipoles.
KAB	Ken Baird, Christchurch, R5000, Palstar R30, 18m Wire, SW Eavesdropper
KVB	Kelvin Brayshaw, Levin, FRG7, ICF2001, R1000, 5MHz Delta Loop
RAD	Richard D'Angelo Wyomissing USA, Ten-Tec RX-340, R8B, Lowe HF 150, Alpha Delta
	sloper, RF Systems mini windom, Datong FL3, JPS ANC4
RAP	Robert Park, Lower Hutt, R1000, 40 ft wire.
RFK	Ron Killick, Christchurch, Sony 6800, 80m wire
SMF	Stuart Forsyth, Waianakarua, AOR 7030, long wires

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,

e-mail to ka.baird@ xtra.co.nz

bandwatch.over9@radiodx.com





Hello everybody. A lean month for contributions, but thanks to all who have contributed this month. It would be much appreciated if those who wish to contribute could use the template form. I will either send it to you with a monthly group e-mail or you can e-mail me at the address above. Please don't hesitate to submit what you have heard. Good listening, and I look forward to hearing form you next month. #=Overseas member/ logging

KHz	UTC	Country, Station, Programme & Reception Details
9370	05.00	USA. WTJC. Good with id and announcements in EE. 18/7 CC
9420	04.22	GREECE. FTH. Fair in Greek with male vocalist. //15630 (Fair), 17520 & 21530 (Fair/
		poor) 4/7 CC
9565#	00.45	BRAZIL, Rádio Tupi. Poor signal and badly squeezed by adjacent channel QRM.
		Religious pgm. 0100 ID and pgm change. Another religious program followed. 24/6
		RDA
9580	04.49	SERBIA/ MONTENEGRO. IR of SM. Good with EE. Mx with female axer. Id 04.53. 18/7
		CC
9580	05.56	GABON. Afrique Numéro Un. Fair in FF with indigenous mx and singing. Distorted. Id
0770 "	00.07	at 05.58. 18/7 CC
9770 #	00.37	SRI LANKA, SLBC. Fair. Prog of continuous pop inst. mx music. //15748 very poor. 15/
0005	00.00	6 RDA
9825	00.00	GERMANY. DW Radio. Nx, then Newslink for India, ID and World in Focus 00.30. 21/7 RFK
9885#	23.20	SWITZERLAND, SRI via Sottens. Good with mx until 2330 announcement in EE by a
7005 π	25.20	man, noting: "This year marks the end of an era all broadcasting will cease at the
		end of October thank all our listeners for tuning in the address again is
		swissinfo.org." Music in place of EE Sce with IDs at 0040 and 0050 followed until
		carrier cut mid-song. So sad! ((agree — Ed.) 9/7 RDA
9885	22.40	SWITZERLAND. SRI. Poor in GG with talk. A little noisy. Id at 22.43. 28/7 CC
9955	22.00	PALAU. RFA in Cantonese. Sign on (no EE id noted) but id in CC. Talk and music prog to
		past 22.40. 06/7 RFK
9980#	02.38	İCELAND, AFN via Grindavik in USB. Fair with sports pgm & ads. AP Network News at
		0300. No real ID but many of these short features are standard AFN program fare
		and are listed on their website. 24/6 RDA
9996#	02.20	RUSSIA, RMW. Poor to fair with time pulses followed by RTTY at 0220, signal without
		pulses from 0230 and Morse code ID at 0239 and 0309. Station still fits pattern
77.445	00.01	outlines in Klawitter's "Time Signal Stations" book from the 1980's. //14996. RDA
11665	03.01	ENGLAND. Sudan Radio Service via Woofferton. Vg in EE, s/on with good id, and AM
		and FM data, then news re Sudan, 03.14 prog on Malaria commences. Plenty ids. 20/7 RFK
11675	04.27	KUWAIT. R.Kuwait. Fair in AA with indigenous mx. // 15495 & 15505 also fair. 4/7 CC
11715	04.27	VATICAN. R. Charity s/on in AA, followed by Catholic service. Off air abruptly 04.54,
11/13	04.50	the Vat i/sig at 04.56. 07/7 RFK
11785 #	01.24	BRAZIL, Rádio Guaíba Poor to fair. A male axer with PP talk and ID followed by light
11700 11	01.21	inst. mx. 11/7 RDA
11795#	02.47	AFGANISTAN, Salaam Watandar (Internews Radio), Fair, presumed the one here with
, .	02	talks until abrupt close without any ID or closedown announcements. Again, 0151-
		0300 July 11 with IDs, talks and music in Pashto until language switch to Dari at 0215.
		Later reports indicate this may be via UAE. 9/7 RDA
11795#	01.30	AFGHANISTAN, Internews Radio/"Salaam Watandar" prgm (apparently via Merlin),
		better here at 0130 than on 17700 at 1330. ID at 0130. Better signal all around than
		17700, tho suffering from hvy thunderstorm QRN this particular night. (Must be summer
		up north, hi! — Ed) JB

12060	04.27	MADAGASCAR. R.Voice of Hope, Vg in EE at s/on, then prog about programme for Sudan from Kampala studio, news and comment to s/off 04.57. 19/7 RFK
12134	03.59	USA. AFRTS. Poor (USB) in EE with talk. 18/7 CC
13650 #	18.52	CLANDESTINE, Radio Free Syria (tentative) via Jülich. Poor. Middle Eastern vocals until brief instrumental music before carrier was cut. No voice announcements were heard. 27/6 RDA
13770	17.44	PORTUGAL. RDP Int. Fair in PP with talk. // 15555 weaker. 11/7 CC
13780	17.55	GERMANY. DW. Good in GG with two men discussing mx. //9655 weaker. 11/7 CC
13820 15230	20.01 04.18	GERMANY. DW. Good in EE, Newslink for Africa 2005 and Insight at 20.30. 26/7 RFK CUBA. R.Habana. Fair in SS with Latin American mx. //9550 & 9600 weaker. 4/7 CC
15295	04.18	MALAYSIA. V of Malaysia. Fair in EE with mx pgm. Id 04.51. Scratchy & some
		interference. 4/7 CC
15395 #	20.03	UNITED ARAB EMIRATES, Emirates Radio (presumed). Fair with non-stop middle eastern
15425	10.00	vocals until broadcast was terminated. 10/7 RDA AUSTRALIA. HCJB-Kununurra. Vg in EE at s/on, then usual id from Great South Land,
15425	10.00	and Reality Zone prog. Calls to similar type stns in Oz, NZ, USA at 10.20. 17/7 RFK
15430	00.59	ROMANIA. R.Romania Intl. Good in EE at s/on. Nx then 01.08 economic nx, 01.13
15480	00.24	Business club, and about environment, and wildlife. 21/7 RFK PORTUGAL. RDP Int. Vg with talk prog in PP, with some guitar mx. 01.00 IDs and
13400	00.24	News. 01.10 mx (incl. some Pop) continues to past 01.20. 17/7 RFK
15665#	11.00	ITALY-SAH? R. for Peace ("Sahara" prgm via IRRS), brief IRRS EE ID noted as China left
		the channel at 1100, then the start of AA prgmng, presumably this one. Weak and
		fady at start, but built slowly. All AA talk, some SP-flavored mx. It was getting to a decent level when the xmtr cut out at 1113. Fridays only. 10/7 JB
17490	04.19	CHINA (Tentative). CRI. Good in EE, with CRI Roundup prog of nx and commentary.
		Listeners Garden (letters) from 04.30, 05.00 off. 17/7 RFK
17495	03.00	NORTHERN MARIANAS, Tinian. Excellent with s/on in Mandarin. Id then prog of nx items. 03.20 further id, and nx on Israel and Palestine. 19/7 RFK
17590 #	09.22	RUSSIA, Radio Ezra. Very poor. Man talking in EE mentioning "Palestinian Arabs" and
		IDs at 0927. Off with instrumental mx. 11/7 RDA
17700 #	13.32	AFGANISTAN, Salaam Watandar (Internews Radio), Fair signal but lots of fading and
		static.Missed opening but mainly Pashto talks until 1355 when Afghani music was played. Sounded like language change around 1410 when presumed Dari began.
		10/7 RDA
17700 #	13.30	AFGHANISTAN, Internews Radio/"Salaam Watandar" prgm, the previously hrd unid.
		in Pushto/Dari at 13.30 per recent WRTH schedule update. A Google search takes you to http://www.internews.org/regions/afghanistan/afghan_radioreport_2003-
		07.htm> and there is much contact info there under "About Internews/Contact Us,"
		incl. contact info for Afghanistan. See http://www.internews.org/ as well. I haven't
17775 #	16.53	poked around the site, but it looks like a big operation. JB
1///3#	10.55	USA, La Voz de Restauración, Fair with prom of religious mx until complete ID and frequency announcement at 1700 followed by more inspirational music. 26/6 RDA

Our Contributors

00.00			
Abb.	Name	Location	Rxers & Antenna
RDA	Rich D'Angelo	Wyomissing, Pa, USA	Ten-Tec RX-340, Drake R-8B, Lowe HF-150
	_		Alpha Delta DX Sloper, RF Systems Mini-Windom,
			Datong FL3, JPS ANC-4
JB	Jerry Berg	Lexington, Ma, USA	Drake R8 with 19, 41 & 90 mb dipoles
CC	Cliff Couch	Paraparaumu	Sangean ATS 803A with60m horizontal loop
RFK	Ron Killick	Christchurch	Sony ICF 6800W, Sony ICF 7600G, Yaesu FRG 7
			with 40m longwire

Logging of the Month
12060 kHz Voice of Hope MADAGASCAR
submitted by Ron Killick, Christchurch.

FORECAST SHORTWAVE RECEPTION FOR MONTH YEAR

WITH MIKE BUTLER

propagation@radiodx.com

The Shortwave Bands below have given good reception in NZ within the recent Solar Flux Index range of 79-175! An * = good reception only above Index of 94. Please note that '6-9-17* = '6-9,11*-17*.' Choose the Area, then the Time (UTC).

Times-Shortwave Bands:

UTC MHZ	UTC MHZ	UTC MHZ	UTC MHZ	UTC MHZ
Europe	Africa	Russia	Australia	Cent America
19 6-9 -17*	19 6-9-15*	19 6*9, 11*	19 5-11	19 21*
20 6-15, 17*	20 6-9-17*	20 -	20 5-11-15*	20 17*
21 9-15, 17*	21 15*	21 -	21 6-15-21*	21 17*
22 11 -15*	22 -	22 -	22 9-15-21*	22 15, 17*
23 11* -15*	23 -	23 -	23 11-17,21*	23 -
00 11* -15*	00 -	00 -	00 13-17,21*	00 -
01 11* -15*	01 -	01 -	01 13-17,21*	01 -
02 9* -15*	02 -	02 -	02 13-17,21*	02 -
03 7-9 -15*	03 -	03 7,9* 11*	03 13-17,21*	03 9*15*
04 6-11-15*	04 7-9,15*	04 7-9 -17*	04 11-17,21*	04 11*
05 6-9 -15*	05 7-9-15*	05 9-15,17*	05 9-17,21*	05 6, 7*-15*
06 6-11-15*	06 7* -15*	06 13,17*21*	06 5-17,21*	06 6-11
07 7 -17*	07 9* -15*	07 15-17	07 5-15,17*	07 6-11 -15*
08 9* -17*	08 17*	08 9-15,21*	08 5-9 -17*	08 9
09 15* 17*	09 7*	09 6-15,17*	09 4-9 -17*	09 6- 9
10 15* 17*	10 -	10 6-15,17*	10 4-9 -17*	10 6*-9

Mic	ddle East	Asia	North F	Pacif	ic Nth An	neri	ca Sth Ar	neri	ica
19	6-7	19	7-9 -15*	19	11-15x*	19	6-9 -21*	19	17*21*
20	6-7,9*	20	6-9 -13*	20	11-15x17	20	9 -21*	20	17*
21	11*13*	21	9-15	21	11-15x17*	21	9-11-21*	21	17*
22	11*	22	9, 11*	22	11-15x17	22	17, 21*	22	15*
23	-	23	9-15	23	15x17	23	17*21*	23	17*
00	-	00	11, 17*	00	15x17,21*	00	17*21*	00	-
01	-	01	11* -17*	01	17,21*	01	13,15 -21*	01	11*
02	-	02	15*, 17*	02	17,21*	02	13 -21	02	11- 21*
03	9*11	03	15*, 17*	03	15 -21	03	9-15,17*	03	11* -21*
04	9-13*	04	17*	04	15-17,21*	04	6-15	04	9- 21*
05	6-11-15*	05	21*	05	15-17,21*	05	6-11,15*	05	7-9 -21*
06	11-17*	06	11* -21*	06	5-17,21*	06	6-11	06	9-11-15*
07	15*17*	07	15, 17*	07	5-17,21*	07	6-9, 15*	07	6-9- 15*
08	15*17*	08	11-13,17*	08	5-11-17*	08	5-9, 11*	08	6-9, 11*
09	15*	09	9-13-17*	09	5-13-17*	09	5-7, 9*	09	5-9, 11*
10	15*	10	6-15,17*	10	5-15,17*	10	6-9, 11*	10	5-9

x=not Hawaii

english in time order

Compiled by Yuri (George) Muzyka, Auckland



Time 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 and send them to the Under/Over 9MHz Bandwatch column editors, thanks.

The Solar Flux is aired daily over WWV/WWVH on 2.5, 5, 10, 15 and 20 MHz Shortwave at 18 & 45 minutes past every hour.

Overseas contributors now have "#"s ground their name initials (eg #ABC#).

SIGNAL STRENGTHS e = Excellent; g = Good; f = Fair; p = Poor.

73 - Yuri, ZL1GYM http://www.linradio.com/sources.htm

Time	Frequencies	Station	Station	Log	DXer
(UTC)	(kHz)	Name	Country	Date	Name
0059-0113	15430g	R.Romania Int	ROMANIA	21/7	RFK
0154-0230	7505g	KTBN	USA	22/6	#RAD#
0218-0230	7210f	R Minsk	BELARUS	23/6	#RAD#
0237-0244	4750g	R Peace	SUDAN?	27/6	#RAD#
0238-0300	9980(USB)f	AFN	USA	24/6	#RDA#
0300	7545p	R Ukraine	UKRAINE	22/6	RAP
0300-0310	7305p	R Vaticana	VATICAN	27/7	KAB
0301-0314	11665g Sudo	an Radio Service	SUDAN?	20/7	RFK
0310	7315g	WHRI	USA	27/7	KAB
0358	5765(USB)g	AFN	USA	18/7	CC
0359	12134(USB)p	AFRTS	USA	18/7	CC
0410	4319(USB)g	AFN	USA	18/7	CC
0419-0500	17490g	CRI	CHINA	17/7	RFK
0427-0457	12060g	R.Voice of Hope	MADAGASCAR?	19/7	RFK
0448-0451	15295f	V of Malaysia	MALAYSIA	4/7	CC
0449-0453	9580g		A/MONTENEGRO	18/7	CC
0451-0530	7535g	WSHB	USA	24/7	RFK
0501-0533	5975g	R Japan	JAPAN	18/7	RFK
0506	7250g	R Vatican	VATICAN	4/7	CC
0513	7210f:9270g	Channel Africa	STH AFRICA	4/7	CC
0551-0630	7490g	WJIE	USA	24/7	RFK
0700	5825:7580f	WEWN	USA	26/6	RAP
0730-0737		ersity Network	COSTA RICA	22/6	RAP
0757-0800		Territory Radio	AUSTRALIA	18/7	KVB
0845-0900		Territory Radio	AUSTRALIA	25/7	KVB
0922-0927	17590p	Radio Ezra	RUSSIA?	11/7	#RDA#
0950	5995g	R Australia	AUSTRALIA	30/7	AJS
1000	3365g	R Milne Bay	PNG	15/7	AJS
1000-1020	9	CJB-Kununurra	AUSTRALIA	17/7	RFK
1651	3560f:9975g	V of Korea	NTH KOREA	5/7	CC
1839-1840	6115g	Voice Int	AUSTRALIA	18/7	KAB

1849	7185f	Bangla Betar	BANGLADESH	18/7	KAB
1857-1900	7240f	R Australia	AUSTRALIA	18/7	KAB
1858	4950f	VOA	USA	20/7	KVB
1900	3975p	R Budapest	HUNGARY	15/6	RAP
1930	6065g	R Sweden	SWEDEN	21/7	KAB
2000-2020	6115p	Voice Int	AUSTRALIA	21/6	RAP
2001-2030	13820g	DW	GERMANY	26/7	RFK
2006-2016	7235g	RCI	CANADA	21/7	KAB
2015-2018	7235g	RCI	CANADA	23/6	RAP
2025-2045	6185g	RAI	ITALY	20/6	RAP
2100-2105	6055f	R Japan	Japan	22/6	RAP
2112	7350g	Family Radio	USA	18/7	RFK

shortwave.mailbag@radiodx.com

Compiled by Laurie Boyer, Invercargill

Jerry Berg Lexington MA USA Has radio Six via WBCQ.

lan Cattermole With Bible Voice 15715, 11965 AIR Bangalore 13605, Panaji 9605, Delhi 17510, 9575, Vaticcan 7300, Radio Korea 15210, 9560, 11810, Radio Australia 11750, European Gospel Radio 5775, Radio Free Asia 13735, 15695, Radio Romania 17760, Radio Singapore 6120, Portugal, 7240, RRI Radio Temate 3345, Salaam Watander 11795.

Robert Park Has a big haul with AWR Julich 11665, Moosbrunn 9820, BBC Singapore 9740, Bible Voice Krasnador 15460, Julich 5905, Channel Africa 9770, Deutsche Welle Wertachtal 9735, Nauen 9720, 13820, Kigali 9890, 12045, Wertachtal 11795, Trincomalee, 17800, KFBS 11580, KSDA 11930, Radio Japan 11740, Radio Budapest 9780, Radio Croatia Julich 13820, RADIO pakistan 17835, Radio Veritas 11830, Vlaanderen Skelton 9840, Bonaire 11635, Portugal 15480,13720, RFE Morocco11865, 11730 Lamperheim 11815, RFI Issoudun Meyerton 15170 15170, SRI Julich 13645, Sudan radio service Wooferton 11665, 15325, The Overcomer Julich 9770 Voice of Greece 9735, Voice of Korea 11735 Russia Julich ,9825 ST Petersburg 12010, Moscow 11630, Voice of Turkey 11690, 6140, WYFR 9755

Welcome to **Des Davey Te Kuiti** in his first contribution reports a QSL to hand from Radio Bucharest 17860 and reports out to VOA Thailand 9615 and Slovakia 9440. Receivers in use are Yaesu FRG7000 and FRG7. Des says 'Received my first DX Times - very interesting reading, so I'm posting in my little bit'.

Ron Killick Has replies from Radio Mosoj Chaski 3310 , BBC Seychelles 15420, AIR Delhi 7410,Radio Sweden 9880, Radio Tashkent 11905, RFA 9770, 9955, RKI Skelton DLR Berlin 6005, Radio Romania 17860, Radio Bulgaria 5800, 7500, VOR 9665, DWR Wertachtal 9440, 9825.11945

Stu Forsyth Darfield Veries in from BBC Meyerton 3325 ,La Voz del Napo 3280

Rich D'Angelo Wyomissing PA USA With Cyprus 6180 7205, 9760, Sudan radio service 11665 Bible voice broad casting 6010, 9690 AIR Imphal 4775, Voice of Captain Ron, Radio St Helena USA 9365 Armenia 11965 UAE, 11975 Tajikistan 15695 Radio Free Asia

Best of Month under 9 mhz La Voz del Napo Ecuador 3280 Stu Forsyth **Best of Month over 9 mhz** Voice of Turkey 11690 Robert Park

shortwave.report@radiodx.com

Compiled by Ian Cattermole, Blenheim

AFGHANISTAN:

Internews radio Afghanistan–Salaam Watander.

Salaam Watander is broadcasting to Afghanistan in Dari and Pushtu on these freugncies: 0130-0300. 11795 via Dhabbaya. 1330-1500. 17770 via Rampisham.

I e-mailed Internews Radio, Afghanistan at <u>afghanmedia@internews.org</u> regarding reports. Here is their reply: (ED)

lan,

Happy to hear from you. This address will be perfect; we'd love to get your reception reports. We're putting together some standard info on Salaam Watandar, which I will forward to you. Cheers, David Trilling. Program Associate. Internews Afghanistan

And Further to the above here is their response to my reception report which I regard as a verification.

lan, thanks for your reports. here's a standard letter i'm working on. we're trying to get a QSL together to send to all our DXers out there. thanks for the patience.

cheers, david

Thank you for identifying our broadcast. We appreciate the feedback and reception details that we have received from shortwave listeners as far apart as Finland and the United States. We are happy to add New Zealand to the list.

The mixed Dari/Pashto broadcast which you detected is called "Salaam Watandar", originates in Kabul and is heard at 11,795khz from 0130-0300 UTC and at 17,700khz from 1330-1500 UTC. The broadcasts originate from VT Merlin's transmitters in Rampisham, and (500kw) and Dhabayya, (250kw), respectively.

The program is also broadcast to Afghanistan by a network of 19 FM and AM affiliates. We expect the number of affiliate stations to reach 40 by the end of the year as new stations and existing state broadcasters join the network. The shortwave broadcasts are expected to continue through September 15, 2004.

Thank you and we will send you a QSL card via Afghan post as soon as possible. Regards,

ALASKA.

Seasonal schedule valid July 25, 2004 to August 29, 2004: 0800 11765 English .0900 11765 Russian . 1000 11765 Mandarin . 1100 9795 Russian . 1200 11765 Mandarin 1300 11870 English . 1400 11870 Mandarin . 1500 9615 Mandarin . 1600 9615 Mandarin 1700 9615 Russian . (KNLS schedule via DXLD)

KUWAIT.

Re the new SW transmitters and new site:

Look out for tentative channels 2100-0300 5955, 9535, 21815. 1500-1800 6095, 7245, 12005. 1800-2100 7295, 12005, 13650. (DXLD)

KUWAIT:

The SW transmissions from the IBB Kuwait Transmitting Station commenced on 19 July. The current schedule is as follows:

 1330-1430 17605 R. Free Afghanistan Dari.
 1430-1530 13690 VOA Dari

 1530-1630 13690 VOA Pashto.
 1630-1730 11760 VOA Dari

 1730-1800 11730 VOA Pashto
 1800-1830 11730 VOA Dari

 1830-1930 11750 VOA Pashto
 1930-2230 11835 VOA English

 2230-0030 11935 VOA English
 0030-0230 11995 VOA Pashto

0230-0330 11945 R. Free Afghanistan Pashto

All transmissions are directed at Afghanistan. (CUMBRE)

LATVIA:

Radio 9290 is a brand new radio station starting Sunday 11 July 2004.

The station plans to will transmit on 9290 kHz via rented relay facilities in Latvia, and with a power of 100 kW.

The program format is classic soul and R&B, as the station's Peter Witten explains:

"Because this very enjoyable and important kind of music is ignored by the majority of other music stations."

"And because we love Aretha Franklin, Diana Ross, Martha Reeves, Smokey Robinson, Barry White, Marvin Gaye and all the other soul brothers and sisters. We respect them, we worship them and we love their music."

Reception reports can be e-mailed to: kissradio@kiss9290.net More information at station's web site at http://www.kiss9290.net (HCDX)

MALDIVES. [non].

We've heard from Dave Hardingham, who is with Friends of Maldives, http://www.friendsofmaldives.co.uk about setting up an independent radio station for the Islands, where the current government does not allow a free press. Just people keen to initiate democracy and free speech in the Maldives. Based in London, they have Maldivians ready to produce programs, and as soon as shortwave transmission arrangements have been finalised, we'll let you know (DXLD)

NETHERLANDS:

Special Olympics programming from Radio Netherlands.

Radio Netherlands will carry special programming in Dutch for coverage of the Olympic Games between 14 and 29 August. As well as relays of the NOS service RadiOlympia, there will be a daily Olympic news programme produced by Radio Netherlands. Programming will be carried worldwide on the Internet (RNW1) and in Europe on shortwaves as follows:

Mon- Fri 0800-1000 and 1200-1500 UTC

Sat 0800-1100 and 1200-1500 UTC

Sun 0600-1100 and 1200-1500 UTC

To Central Europe on 5955 kHz, South West Europe on 9895 kHz, South and South East Europe on 13700 kHz. Sun 0600-0800 on 11935 instead of 13700 kHz. (RN News Media)

SCOTLAND. (NON).

USA. Radio Six International starts daily shortwave service

On August 1st, Radio Six International is to launch the world's first-ever regular daily service from Scotland on shortwave for listeners in the United States, Canada and Western Europe, broadcasting from the facilities of WBCQ ("The Planet") in Maine, on 5105 kHz between 2300-2400 LTC

The station's unique programming is centred on unsigned and unpublished performers from around the world — rock bands from the USA, a classical guitarist from Japan, multi-instrumentalists from Russia, jazz outfits from England, singers from Denmark, percussion bands from Africa, even a symphony orchestra from Iraq, all with music that's never been heard on the radio before.

The nightly programmes will include pop, jazz, country, pipers, lounge music, live sessions, world and Scottish news, new CDs and documentaries. And that's just the start, for Radio Six International aims to expand as soon as possible from just sixty minutes a day.

There will be programmes for listeners of Scottish descent; and for those who simply want to hear new music. Broadcast live from modern studios in Scotland's biggest city, the Glasgow-based station intends to be a positive voice in the crowded shortwave bands. (RN News Media)

SINGAPORE:

Radio Singapore International frequency change.

Radio Singapore International has made a frequency change to their English Language transmission at 1100utc. 6080 seems to have replaced 9600 and is audible here art 1100 but poor due to QRM. //6150. (Observation ED)

SUDAN:

Voice of New Sudan to Start Testing on 9310 kHz

The Voice of New Sudan, a new radio station based in southern Sudan, plans to start test transmissions sometime on 19 or 20 July 2004, according to email information received by Finnish DXer Jari Savolainen. In this email a Voice of New Sudan representative tells this:

"The New Sudan is not testing at the moment. We did run tests for three days and then had to stop due to some transmitter parts we need shipped from the manufacturer. I am leaving today to return to South Sudan and we should be testing again starting next Monday or Tuesday.

The site is called "New Site" as is located near Narus in the south and about 1 kilometer from the Voice of Peace."

"Please keep listening as we are anxious to get any reports. We will probably test during the daytime hours to start with between 10AM and 6 PM local Sudan time. (+3UTC)."

"The transmitter is a 50 kW new Elcor transmitter from Costa Rica. The antenna is an omni all band dipole. Hope this helps."

Listerners can write the Voice of New Sudan through: voiceofnewsudan@eikmail.com (Jari Savolainen, via HCDX)

UNITED KINGDOM: .(non):

Internews Radio / Salaam Watandar in Pashto and Dari via Merlin 0130-0300 on 11795 DHA 250 kW / 045 deg. 330-1500 on 17700 RMP 500 kW / 085 deg DHA=Al-Dhabbaya, UAE. RMP=Rampisham, U.K. (Observer Bul.)

USA. (NON)

Official info received from Family Stations Inc. is showing the use of the following relay transmitters for "Family Radio" broadcasts from Russia and member states of the CIS:

1700-1900 9495 Russian to RUS via Tashkent-UZB

1900-2000 7350 Spanish to Eu via Minsk-BLR

1900-2000 7360 German to Eu via Gavar-ARM*

1900-2000 9490 Italian to Eu via Moscow-RUS

2000-2200 7350 English to Eu via Grigoripol-MDA

Family Radio in Russian is also carried by Radio Centr in Moscow on 1503 at the following times: 0300-0500, 1400-1530, 1700-2030.

*) listed as "Yerevan", but altered to "Gavar" by BT since this is the actual site. (CUMBRE)

USA:

OSL from Radio Free Asia.

From A.J. Janitschek at RFA via DSWCI the following:-

As of last week (April 1st.) I have taken over RFA QSL card programme. There was at least 6 months backlog of reception reports that needed attention; they are now all caught up.

All reception reports can now be mailed to Radio Free Asia at this address:

Atn: A.J. Janitschek, Radio Free Asia, 2025 M Street NW, Washington DC 20036. USA.

Reception reports can also be sent by e-mail to> qsl@rfa.org (DSWCI)

USA:

Radio Netherlands via WRMI at 1200 UTC

Due to cutbacks at client broadcaster Christian Media Network, Miami-based shortwave broadcaster WRMI is, for the time being, carrying relays of World Radio Network at 1200-1600 UTC seven days a week on 15725 kHz. This includes an hour of English from Radio Netherlands at 1200-1300 UTC. As this is not an official shortwave relay, the frequency is not announced by Radio Netherlands. But we welcome reception reports on this transmission to letters@rnw.nl (RN News Media)

LATIN CORNER: PERU: Radio Municipal Huallaga La Hora

3172.69	Radio Municipal, Panao, om in hyper Spanish at 1005 to 1011 [Wilkner-FL]
3329.56	Ondas del Huallaga, Huanuco 0952 noted with OA music, good signal
	with some band noise [Wilkner-FL]
4960.42	Radio La Hora, Cusco 1010 to 1035 "cinco en la manana viente minutos"
	by yl, this parallel 4856.16 "programa de Radio la Hora" by om, stronger
	signal 4856 16 [Wilkner-FL] (via HCDX)

FEATURED FREQUENCY this month is 9795khz. How many of these are you able to hear and identify?

Time. Station. Country. Days Language . Power . Site 0030-0600 VOA - Voice of America Germany 1234567 Unknown 100 Lampertheim

0200-0230 Merlin Network One United Kingdom 7 Unknown 500 Rampisham

1000-1100 Korean Broadcasting System Canada 1234567 Unknown 250 Sackville

1000-1100 World Christian Broadcasting Corporation United States 1234567 Unknown 100 Anchor Pt, Alaska

1100-1200 World Christian Broadcasting Corporation United States 1234567 Unknown 100 Anchor Pt, Alaska

1200-1257 Radio Nederland Wereldomroep Singapore 1234567 Indonesian 250 Kranji (Merlin) 1200-1300 World Christian Broadcasting Corporation United States 1234567 Unknown 100 Anchor Pt, Alaska

1300-1400 World Christian Broadcasting Corporation United States 1234567 Unknown 100 Anchor Pt, Alaska

1400-1500 Radio France Internationale Japan 1234567 Vietnamese 300 Tokyo Yamata

1500-2100 Voice of Russia Russia 1234567 Unknown 200 Samara

1700-2100 China Radio International China 1234567 Unknown 500 Urumai

2230-2330 Far East Broadcasting Company Philippines 1234567 Unknown 100 Bocaue

2330-2359 Far East Broadcasting Company Philippines 1234567 Unknown 100 Bocaue

KUWAIT

IBB test commencing 19 Jul from Kuwait site

1330-1430 17605 RF Afganistan Dari 1430-1500 13690 VoA Pashto 1500-1530 13690 VoA Dari 1530-163013690 VoA **Pashto** 1630-1730 11760 VoA Dari 1730-1800 11730 VoA Pashto 1800-1830 11730 VoA Dari 1830-193011750 VoA Pashto 1930-2030 11835 VoA Dari 2030-2230 11835 VoA English 2230-2330 11935 VoA **English** 2330-0030 11995 VoA **English**

0130-023011995 VoADari

0030-013011995 VoA

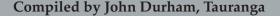
0230-033011945 RF Afganistan Pashto.

Comment was mostly in // with 12140 Iranawila, and EE Kuwait 1593.

Source is WWDXC of lst Aug, credit to Werner Buschmann. (via Ron Killick)

Pashto

dxissimo





ECUADOR

Radio Oriental, Tena, 4781kHz .33 1034-1043, July 19, SS prg.Al Compas de la Manana (local music) Time check. And ID "...... en Radio Oriental" (Arnaldo Slaen, Argentina via HCDX)

PARAGUAY

Radio Colegio Tecnico Municipal Santa Rosa de Lima, with irregular tests from Nemby on 3220 kHz They are transmitting with only 12 watts using a ° wave antenna. If you can here the transmission, send your reception report to the following.

radioamerica@lycos.com (Adan Mur Paraguay via Arnaldo Slaen Argt. via HCDX)

PERU

Radio Municipal 3172.61kHz 1018-1033 Noted a period of music followed by a man in SS.Signal was rather weak but the best i have heard.Chuck Bolland via HCDX)
Radio Union 6115kHz noted around 0600 with a fair signal here in NZ.(John Durham)
Ondas Del Huallaga, 3329.53kHz 0953-1000 Steady Mx until the hour. At that time ID and promos or adds Noted then back to Mx.Signal was poor mixing with CHU.(Chuck Bolland, via HCDX)

SURINAME

Radio Apintie 4990kHz 0925-0941+ July 30.Noted music until 0930 when man talks at lenght in the Dutch language.At 0936 ads presented. Signal was fair during listening. (Chuck Bolland, Clewiston, Florida, DXLD)

URUGUAY

Radio Sarandi del Yi. 6155kHz Sarandi del Yi, Dept.de Durazno. According to telephone conversation with Nora San Martin de Porro, they are indeed on the air, dispite being unheard in Montevideo lately, Nora said that a few months ago a windstorm destroyed the original antenna. Sked. is 0130-0300. Concerning verifications she confessed to be disapointed with to many complaints of lost outgoing corrospondence (which included souvenirs besides the QSL), so she was thinking to QSL via e-mail. (Horacio Nigro Uruguay Jul30 via HCDX).

VENEZUELA (Non)

Radio Nacional de Venezuela transmitted via Habana Cuba.

1800-1900 13740 to San Francisco zone 2005-2105 6000 to Washington zone 2000-2100 15230 to Buenos Aires zone

2100-2100 17705 to Rio de Janiero zone

(Manuel Mendez Lugo, Spain via HCDX)

1900-2000 9550 to Caribean zone 2205-2305 9820 to Chicago zone 2100-2200 11875 to Chile zone

ERITREA

Voice of BroadMasses Eritrea 7100kHz is a regular catch between 1730-1830 with nice music on a clear channel.(Thorsten Hallmann,Munster,Germany.Aug 3 DXLD)

ETHIOPIA

Voice of the Tigray Revolution 5500kHz regular, fair signal 1730-1930; // 6350kHz but mostly weaker with much QRM.(Thorsten Hallmann, Munster, Gernany. Aug 3 DXLD)

GUINEA

Radiodiffusion Guinenne 7375 0610.Program in FF and Vern. 0645 Nx in FF.(Manuel Mendez Lugo,Spain via HCDX)

NIGERIA

Radio Nigeria. Kaduna 4770 0530 July 15 (Enrico Oliva. NY. USA via HCDX)

RWANDA

Radio Rwanda is clear on 6055kHz after 2030.(Thorsten Hallmann,Munster,Germany.Aug 3 DXLD)

SUDAN

Voice of New Sudan, a new station based in southern Sudan. On 2 Aug i got a brief e-mail from the engineer contracted to set up the SW transmitter. He was in Nairobi on his way home back home to the USA. There were more technical problems; they had managed to do some testing (9310kHz) with modulation during three days with about 7kw before they got hit by lightning last Sunday. They are down until they get some capacitors. The frequency will possibly be shifted higher, to 9485kHz. I will keep DX —Commmunity updated as i get more info. Usari Savolainen Finland Aug 2 World of Radio 1240, DXLG)

7AMRIA

ZNBC Radio One, 4910kHz fading in after 1800 then strong and clear. Christian Voice 4985kHz 11800 is weaker. (Thorsten Hallmann, Munster, Germany. Aug 3 DXLD)

DXLD = DX listeners Digest. HCDX = Hard Core DX.



RADIO NEW ZEALAND INTERNATIONAL

TE REO IRIRANGI O AOTEAROA. O TE MOANA-NUI-A-KIWA

P O Box 123, Wellington, New Zealand

Phone:+(64 4) 4741 437 Facsimile +(64 4) 4741 433

E-mail address: info@rnzi.com Web Address: www.rnzi.com

FREQUENCY SCHEDULE

Dated: Friday, 30 July 2004 A04 Amended: 06 September – 31 October 2004

UTC	NZ Time	kHz	Metre	Primary Target
			Band	
1300 - 1750	0100 - 0550	6095	49	All Pacific, Fiji, Samoa, Cook Islands
1751 - 1850	0551 - 0650	9845	31	All Pacific, also heard in Europe
1851 - 2050	0651 - 0850	11725	25	All Pacific
2051 - 2245	0851 - 1045	15720	19	All Pacific
2245 - 0458	1045 - 1658	17675	16	All Pacific
0459 - 0705	1659 – 1905	11820	25	All Pacific, also heard Europe, and mid-west USA
0706 - 1059	1906 – 2259	9885	31	All Pacific, also heard mid-west USA
1100 - 1259	2300 - 0059	9885	31	NW Pacific, Bougainville, Timor, Asia

For future reference - there will be seasonal changes to our frequency schedule from September.

Paul Ormandy has given us notice that he will be leaving Mailbox at the end of August. We will be very sad to see him go - we well remember how Paul stepped into the breech after Arthur Cushion passed on. He has not missed one show in his time with us, his dedication providing two weekly reports will be sorely missed by our DX listeners.

We welcome the fact that the New Zealand DX League wish to continue their association with RNZI's longest running programme Mailbox. To this end we are exploring the possibility of employing more than one correspondent so as to spread the workload over the year. So if any readers are interested in contributing even on an occasional basis please get in touch with Adrian Sainsbury Technical Manager asainsbury@radionz.co,nz

By the end of this month I should have organised all programmes up until Christmas. So far we have confirmed Tony King, John Durham, and David Ricquish.

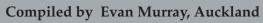
Mailbox DX Stars

Sep 13, 27 David Ricquish

Oct 11, 25 Tony King

Adrian Sainsbury RNZI Technical Manager

utilities@radiodx.com





5547	0854	San Fran/North West 28 FL 310 —30 degrees Wind 190/70 Fuel 145.1 Request 330/350 EM
5643	0936	Air Van 11/Brisbane Primary this frequency EM
5655	1936	Singapore/Indonesia 94 Reading you strength 5 EM
6622	0904	Station calling Gander Say again EM
6628	0754	Santa Maria/Saudi 924 40N 30W 0852 Wind 325/23 MJ
6628	0743	Santa Maria/Martinaire 629 35N 40W 0742 38N 35W 0819 FL 340 MJ
6628	0743	Santa Maria/Iberia 6634 33N 30W 0838 36N 20W next Selcal DJRS MJ
6628	0724	Santa Maria/Iberia 6650 20N 40W 0710 28N 30W 0846 MJ
6628	0724	Santa Maria/Avianca 010 Maintaining FL 410 MJ
6637	1046	Houston/Unid advises ATD Guatemala/La Aurora 1039/43 JC
6637	1040	Houston/APW 558 (Big Arrow) arrived El Salvador 1904/15
0037	1037	ATD 1035/54 ETA MROC (Juan Santa Maria Intnl) 1156 JC
7995	_	South Pole calls Mac Ops No reply JC
8867	0336	Brisbane/Aussie 121 PUPEX 0401 FL 220 no joy 13261
0007	0330	ATD Nadi 0237 Destination Edinborough RW
8867	0417	Auckland/Thai Air Force 021 FL 350 SC EFJL Time over TOMAR 0406 ETA
0007	0-17	LALAC 0440 RW
8867	0816	Brisbane/Aussie 156 NODUC 0813 FL340 —41c RW
8867	0139	Nadi/Reach 5E1 NONEN 0137 FL 340 RW
8867	0140	Nadi/Kiwi 664 Request right of track due weather RW
8867	0141	Brisbane/Aussie 121 TESAT 0144 FL 240 No IFR traffic up to 10 miles right of
0007	0111	track RW
8867	0145	Brisbane/Aussie 121 PUPEX 0401 FL 220 No job 13261 ATD Nadi 0237
0007	01.10	Destination Edinborough RW
8867	0415	Auckland/French Navy 5436 FL 300 POB 5 No SC ETA TBLI (?) 0440 You are
		clear to descend to 250 when ready RW
8894	_	Cameroon 017 calls Entebbe but no reply JC
8894	0518	Algiers/KLM 598 Posn JC
8894	0500	Niamey/Speedbird Unid flight gives info and works Algiers JC
8974	1029	Air Force Townsville Radio check with Checkmate 842 JC
8903	0951	Naha/Singapore 983 TEKON 0930 EM
8992	0439	All stations/Offut EAM RW
8992	0749	7DBYJT/Lajes EAM RW
10024	1058	Cenamer Radio in SS JC
10048	0819	San Fran/Singapore 019 EM
10075	0952	Houston/Unid SC AMDF ATD Miami 0930/42 to Bogota ETA 1235 JC (AMDF
		possibly BAW B752 ED)
11297	0257	Rostov Volmet EM
11300	0246	Tripoli/Lufthansa 8296 FL 320 KUPRA (?) at 0353 EM

11300	0422	inpoli/marinaire 083 wiin posh EM
11300	0341	India 192/Mumbai EM
11300	0356	Tripoli/Cairo calling No reply EM
11300	0439	Romeo 141/Tripoli What is your estimate for Cairo EM
11300	0415	Romeo 9001/Tripoli EM
11300	0417	Tripoli/Kenya 117 EM
11300	0422	Tripoli/Moa 128 with position EM++++
11300	0447	Tripoli/Nairobi calling No reply EM
11300	0353	Tripoli/United Nations 152 EM
11300	0402	MCC 9062/Tripoli Go ahead Continue with Khartoum this frequency EM
11300	0405	Khartoum/8296 EM
13261	0317	Nadi/Reach 5E2 DOLCIE 0310 South 203 East 17 89 SC good RW
13261	0731	Brisbane/Aussie 745 PUGAL 0731 FL 320 Amberley next SC no good
		Maintain listening watch RW

Tripali / A A gretin giva OOO with maan EAA

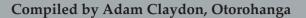
Contributions may be sent to Evan Murray, 14 Kia Ora Road, Birkdale, Auckland Phone (09) 483 9543 e-mail to varrisian@paradise.net.nz

Contributors

JC	John Charlton, Greymouth, Kenwood 5000 30 m wire
MJ	Mike Jackson, Felding, Lowe 235, 5.6/8.8 dipole
EM	Evan Murray, Auckland, Kenwood 5000, T2FD
RW	Rohan Wahrlich, Te Kauwhata, Icom R75, Kenwood 5000, T2FD

Brian Palamountain, Nelson, sends in a news clipping from the Nelson Mail newspaper about the development of a new link repeater system by local firm Ruralcom Electronics, which overcomes challenges created by the Nelson Region's hilly landscape. The new system connects 2 marine channels so they operate as one, so increasing VHF coverage around the top of the South Island. This has greatly improved the reliability of the VHF service and safety of boat operators at sea. Ruralcom Manager Brian Davis says it is now possible for someone in a boat in the Nelson marina to talk through the VHF service to another vessel as far away as the Kahurangi lighthouse. Nelson Marine Radio is now able to simultaneously use Channel 60 and 28 for its rescue and safety services.

tv.fm@radiodx.com





TRN tests from Wellington on 93.1

TRN has been running non-stop ballads, soft rock and standards music of the 1950's-1970's on 93.1 from Mt. Kaukau in Wellington since late June. The licence is for a three month period only, ending on September 17. Maximum power allowed is 1.995kW. It's possible the coverage tests are related to their new brand 'Coast FM' recently launched in Auckland for the 45+ market, and which would compete in Wellington with CanWest's The Breeze format. Address is given as TRN, PO Box 4292, New Plymouth which I think is the engineering base for the region. (David Ricquish, Wellington)

Radio Hauraki will start broadcasting in Whangarei on 95.1FM from next week. They are also moving down to the capital on 93.1FM in Wellington. (Hauraki Insider August 6)

Radio Hauraki's other FM frequencies (from http://www.radionetwork.co.nz/Stations/Hauraki/): Auckland 99.0, Waikato 96.0, Bay of Plenty 89.0, Rotorua 94.3, Taupo 92.6, Gisborne 98.9, Hawkes Bay 99.9, Taranaki 97.2, Southland 93.2 (and Christchurch and Dunedin on AM)

Life FM in Wellington

Rhema's Life FM gets closer to the capital with imminent sign-on from **Porirua 99.2** (100 watts max power) and **Kapiti 96.7** (Forest Heights location, 631 watts max power) according to the latest news from the network. (David Ricquish, Wellington)

Life FM's frequencies (from www.lifefm.co.nz): Whangarei 98.7, Auckland 99.8, Waikato/BOP 94.6, Taupo 107.0, Gisborne 92.5, Hawkes Bay 93.5, South Taranaki 99.5, Opunake 88.4, Wanganui 107.3, Marton 88.4, Manawatu 96.3, Wairarapa 95.7, Kapiti 96.7, Porirua 99.2, Golden Bay 106.7, Nelson 88.7, Rangiora 106.8, Timaru 93.9, Cromwell 91.1, Te Anau 107.0, Dunedin 107.3, Mosgiel 88.3, Gore 92.6, Invercargill 100.0

Matrix FM 107.5 on air in Wellington

New LPFM on air July 31 from a site near the Basin Reserve is Matrix FM 107.5. Format is similar to that of Radio Chomsky (Auckland) but with a 130 hour music library and local musicians and DJ's from 8-10pm daily. Contact: matrix1075fm@yahoo.com (David Ricquish, Wellington)

All Power to the South

RadioWorks stations can now be heard louder, clearer and further a field in the greater Southland area.

RadioWorks Southland General Manager Jamie Campbell says enhancement of the

stations' signals has been made possible by a \$100,000 investment in new transmission equipment at the Hedgehope site.

"Listeners in Gore and rural areas have been asking for wider coverage for sometime," says Campbell.

"It is also important to reflect the needs of our valued clients who are looking forward to the greater coverage."

Southlanders outside of Invercargill can now tune into The Rock 90.8FM, Solid Gold 98FM and The Edge 97.2FM. Radio Pacific LocalWorks station Foveaux FM were already widely available in the region.

(Median Strip July 30)

Southland news

National Radio is now in Southland on 101.2FM. First noted 24 July but probably on before then.

Also The Edge on 97.2FM has increased it's coverage of Southland. I am not sure how but signals are up to full scale on the meter from no reading at all before the upgrade. According to announcers, the station is now audible in Gore, where it was previously inaudible. Could indicate a transmitter relocation or perhaps power increase. (Andrew Sunde, Ohai)

The Mulcher Goes Big Time!

Previously just a guardbander, The Mulcher is now on 92.6 in Hawera, claiming coverage of "Hawera, Normanby, Mokoia, Manutahi, Okiawa, Ohawe, Kapuni, Kaponga, Dawson Falls and East Egmont - and vast tracts of land in-between these locations."

Website is at http://www.themulcher.co.nz/hawera.html

Previous Mulcher guardband operations in Auckland and Kaikohe have closed, but Opotiki 88.1 is still operational, and the Mulcher website also mentions Uawa FM - Tolaga Bay and alterNATIVE FM - Gisborne. Uawa is on 88.5 - anyone have a frequency for the Gisborne station? (Bryan Clark)

Auckland LPFM undate

106.7 A new religious broadcaster has been heard here, with a transmitter location on the **North Shore**. The programming includes Bible readings. There's a suggestion that its Glenfield based **Calvary Chapel Radio** // SKY Digital 107, but this needs confirmation. The signals are interfering with existing LPFM signals on the North Shore. See: www.calvarychapel.com/auckland for contact details.

107.0 Unforgettable Music, Massey, continues here. Format: Standards (Frank Sinatra, Tony Bennett, Doris Day, Pat Boone etc). According to one website, there's a second transmitter: **106.8** at Papatoetoe, and a third, also on 106.8 in **Te Aroha**. Contact: Ray Mankelow, PO Box 79085, Royal Heights, Auckland. T: 09 833 6799. Email: daphnebishop@xtra.co.nz

107.5 Waitakere City Country Radio (WCCR) on air from 1330 UTC June 27 with relay of TLC (The Little Country) Radio. Transmitter location is Henderson Creek, with coverage of Te Atatu South area. Previously tested†on **106.9** but abandoned this frequency because of potential interference to Unforgettable Music and poor coverage of target area.

107.5 Spider FM, Avondale is currently completing new†antenna. Signal reportedly doesn't reach west across the ridge of Te Atatu Road into WCCR coverage area.

- 107.7 Radio Southern Cross has closed down the transmitter here at Takapuna, and†relocating to West Harbour to reduce interference to other stations. (David Ricquish, Wellington)
- **107.1** This one is only audible when I'm parked on the upper western floors of a central Auckland City car park, pointing to a Ponsonby location. Format points to presumed Chomsky FM, carrying liberal American talk shows e.g. WBAI New York "Your Peace & Justice Station", plus conspiracy theory documentaries, promos for Police State videos, talk re CIA, FBI et al. Chomsky FM was featured on TV2's "Eating Media Lunch" as based on the North Shore but reportedly with a number of relays across Auckland and in Wellington. This is the first time I've caught something like it.
- **107.4** Noted with test transmission of oldies and country music late July is Mountainside FM with an "evergreen" music format. Operator Bert announced that station will eventually be transmitting from "high above Panmure" which could point to a site on neighbouring Mount Wellington.
- **107.8** Whilst visiting the supermarket in Glenn Innes (East Auckland) I noted an unidentified guardbander with relay of Deutsche Welle in German. Perhaps this is a new frequency for Pakuranga College which carried Deutsche Welle audio in past years. (Bryan Clark, Auckland)

Wellington LPFM update

107.3 Fleet FM now broadcasting from Mt Victoria site with good central city coverage reported since July 5. Has been testing here for past 3 weeks. Programs relay Auckland **88.3** except for Saturday night which originates in Wellington. A second transmitter for extended Auckland coverage is on order. See: www.fleetfm.co.nz (David Ricquish, Wellington)

Tauranga LPFM update

According to listening reports posted at the LPFM discussion board, current broadcasts are: 88.1 Blowhole FM, 88.2 Tourist FM, 88.4 Soul FM (Mt. Maunganui), 106.7 (unknown broadcaster and format), 107.0 Soul FM (Tauranga) and 107.3 (George FM). If readers can ID the 106.7 station and list any others audible in the area, please send your notes to this column - thanks. (David Ricquish, Wellington)

Stations heard on a hill between Otorohanga and Te Awamutu

88.6 Mai FM (Auckland), 89.0 The Generator (Hamilton), 89.4 Newstalk ZB (Auckland), 89.8 ZM (Waikato), 90.2 The Rock (Auckland), 90.6 Raukawa FM (Tokoroa), 91.0 ZM (Auckland), 91.4 Concert FM (Waikato), 92.0 More FM (Waikato), 92.2 Nga Iwi FM (Paeroa), 92.7 Maniapoto FM (Piopio), 93.0 The Rock (Waikato), 93.4 Solid Gold (Auckland), 93.8 Solid Gold (Waikato), 94.0 National Radio (Te Kuiti), 94.2 The Edge (Auckland), 94.6 Life FM (Waikato), 95.0 95 BFM (Auckland), 95.4 Tainui FM (Ngaruawahia), 96.0 Radio Hauraki (Waikato), 96.5 Maniapoto FM (Te Kawa), 97.0 Newstalk ZB (Waikato), 97.4 Classic Hits 97.4 (Auckland), 97.8 The Edge (Waikato), 98.2 Easy Listening I (Auckland), 98.6 Classic Hits ZHFM (Waikato), 99.3 The Breeze (Waikato), 99.6 Maniapoto FM (Te Kuiti), 100.0 Radio Pacific (Waikato), 101.0 National Radio (Waikato), 103.4 Niu FM (Waikato), 104.6 Planet FM (Auckland), 105.4 Coast (Auckland). (Adam Claydon)





NEW ZEALAND RADIO DX LEAGUE 2004/2005 SUBSCRIPTION RENEWAL NOTICE

For most members of the New Zealand Radio DX League, subscription renewals presently fall due on 31 August 2004. If the expiry date on your address label is **31/08/04**, then your

SUBSCRIPTION IS NOW DUE

To ensure that your membership continues without break - and not miss out on your monthly copy of the **NZ DX TIMES**, please ensure your subscription payment is in the mail no later than **31 August 2004**

SUBSCRIPTION RATES:

NEW ZEALAND:	NZ \$ 35.00	E-copy	NZ \$ 20.00
AUSTRALIA & PAC. ISLANDS:	AU \$ 45.00	E-copy	AU \$ 20.00
REST OF WORLD	US \$ 33.00	E-copy	US \$ 10.00

Payments please in currency as above or equivalent in your local currency. Note: Cheques or money orders must be in NZ currency or the currency of originating country.

× • •		
To:	National Treasurer NZ Radio DX League P.O.Box 3011 AUCKLAND NEW ZEALAND	This year you can also use Internet Banking NZ Radio DX League, Account Number 12-3089-0286191-00. Make sure that your name is included
I enclose	payment of	for my annual subscription to
the NZ Ra	adio DX League	
Name:	Mr/Mrs/Miss/Ms:	
Address:		
Email add	ress:	



EARLY RENEWAL BONUS:

PAYMENTS FROM NEW ZEALAND - BASED MEMBERS, RECEIVED BY 31 AUGUST, WILL GO INTO A RADIO BOOK PRIZE DRAW, SUPPLIED BY BURNET POLLARD BOOKS



New Zealand Radio DX League Membership Questionnaire



It's that time of the year to pay your annual subscription to the League - It is also a convienient time to provide feedback to the League on various issues.

Please consider and make any feedback that you think may help improve the Leagues website, this magazine (the DX Times) and any other issue that you think the League should address.

The League website http://radiodx.com How often do you visit the League's website? Please circle
Never Monthy Every 2 or 3 months Once every six months
Other (specify)
Do you find that the content suits your needs? Yes/No If "no" please state what you'd like to see
Do you use the search engine? Yes/No please state why
Do you look at the Articles page to see what's new? Yes/No if No, please state why
The DX Times
s there any article or area of interest you would like to see more of in the magazine?
The League
s there anything you would like to see the League possibly discuss at it's AGM later this year?
Do you agree / disagree or strongly disagree with the comments on page 43 of the July 2004 - Volume 56 Number 9 DX Times (by David Ricquish) Is it time for the League to look at its name, its purpose and the terminologies we use?



Gordon Mathieson

Logs for July 2004: , Radio Tainui 95.4 , Destination Te Aroha 88.2 , Mercury FM 96.6 Whitianga Nga Iwi FM 99.5 Paeroa

QSLs: KCC-FM Whangarei 92.4, Nga lwi FM 92.2, Destination Te Aroha 88.2

My 2 QSLs from the Te Aroha FMers were obtained from the following-

88.2 (stereo) Destination Te Aroha — Lyn Renwick, phone 07 884 9489

106.8 (mono) Unforgettable Music, was from Dave Nelson, who has just moved to Taumarunui Both these QSLs were on a ppc. These 2 stations are low power — they do not transmit from Mt Te Aroha.

Brian Palamountain, Nelson heard the following stations in June on his Sony ICF2001 with telescopic aerial:

Classic Hits 90FM Taranaki 90.8, Energy FM Opunake 92.4, Niu FM Auckland 103.8

New FM frequency in Jakarta

As effected from August 1, 2004, new FM freq change for Jakarta & surrounding:

Time for quick tune up as radio stations alter frequencies City News - August 01, 2004 Starting from Sunday, radio listeners will have to make adjustments when tuning into their favorite FM station, as the stations are changing radio frequency.

The frequency shift complies with Directorate General of Post and Telecommunications Decree No. 15A/2004 on the reorganization of the country's radio frequency bandwidth usage. FM radio stations operate in the band between 87.50 megahertz (MHz) and 108.00 MHz.

According to the new bandwidth allocation, the minimum separation between FM radio station frequencies will now change from the current 350 kilohertz (kHz) to 800 kHz, except in Jakarta, Bandung, Semarang, Yogyakarta, Surabaya and Medan.

There are already too many radio stations operating in the six cities, so only they are being allowed to maintain a minimum difference of 400 kHz for a period of 10 years, before finally being adjusted again.

The regulation is to prevent radio stations operating in the same or too close a frequency, to avoid interference between them, thereby resulting in broader transmission bandwidth and better reception. The new regulation will also be useful in anticipating future digital radio technology.

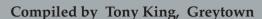
The nationwide bandwidth rearrangement was originally intended to be effective from May, but radio stations were given a grace period to Aug. 1 due to the technical problems they faced.

The Indonesian Association of Private National Broadcast Radio Stations (PRSSNI) has welcomed the regulation, saying that, in the past three years, 92 percent of 830 FM radio stations countrywide have altered their frequency.

Some radio listeners, however, have complained that during the transition period, reception of their favorite radio stations has been poor and they have been confused about the channel changes. – JP I-box FM radio station Previous Frequency New Frequency (MHz) (MHz)

Antarnusa Jaya (Hardrock) 87.60 87.60 Mustang Utama 100.55 88.00 Elshinta 90.05 90.00 Suara Metro 91.10 91.20 Sonora 100.90 92.00 Merpati Dharmawangsa (Radio SK) 93.90 93.20 Kirana Indah Suara (KISS FM) 107.20 95.10 Smart Media Utama 95.65 95.90 Cakrawala Gita Suara 98.45 98.30 Delta Insani 99.50 99.10 Suara Irama Indah (Radio ONE) 101.25 101.00 Suara Kejayaan (MTV on Sky) 101.60 101.40 Prambors 102.30 102.20 Camajaya Surya Nada 102.65 102.60 Trijaya Sakti 104.75 104.60 Ramako Jaya Raya 106.15 105.80 Source: Directorate General of Post and Telecommunications (*via Mark Nicholls*)

broadcast.dx@radiodx.com **broadcast.news**@radiodx.com





MAILBAG

Stu Forsyth, Darfield is first up this month and reports that he had a week or so with Ray Crawford in Brisbane. I took the opportunity to log a few of the Aussies that can't be heard at home. My loggings are: 2RN 1098 & 1485, 2EC 765, 2BY 657, 2BA 810, 2CR 549, 4JK 567, 4BI 1197, 3RPH 1179, 2RPH, 1224, 7SD 540, 2NM 981, CFUN 1410, 2CO 675, 2BH 567, 5CC 765. Veries in from: 2BY 657, 2CR 549, 6VA 783, 6TZ 756, 6NM 918 - these three from Tiwai v/s Matt Cummins, Network Pgm Dir. (mcummins@dmgradio.com.au) , 4BI 1197, 7PB 729, 1683AM Sydney, 2BH 567, 4NM 981, v/s Rick Manchin, Breakfast Axer, 4JK 567 and Super Radio Tupi (Brazil) 1280, v/s Marcus Di Giacomo (digiacomo@tupi-am.com.br) , 3RPH, v/s Ram Deo, Tech Off. RPH n/w (Ram.Deo@visionaustralia.org.au)

Craig Edwards "DX Crocodile Hunter", Townsville, Queensland joins us for the first time, setting the scene for his DX exploits.

I haven't been active in the hobby since Dave Onley and I hit a Woodside Victoria. Australia) DXpedition for some US X-Banders at the end of 2001. Since early 2002 I've been working in South Australia at an Aboriginal Medical Service in Port Augusta which is 300km north of Adelaide. South Australia is very ordinary for early evening DX and most of the action happens around sunrise. Unfortunately I never really got the chance to do any DXina in Port Augusta as my wife was living in our house in Adelaide for my 2 year stint there meaning I'd come back to Adelaide each weekend. I kept thinking on the Monday morning drive to Port Augusta when I'd leave at 5:00am that I should be hunting Europeans rather than dodging road roos (kangaroos). Life has taken an exciting DX twist as my wife and I are moving to Townsville at the end of April where I'm working with the Tropical Public Health Unit. There's crocodiles in the river across the road, denaue fever carrying mosquitoes one suburb away, wire munching kangaroos in the paddock behind my house, green tree frogs in the crapper and Bundy Rum Draught on tap in all the pubs — this is my kind of town!! Well the old Drake SPR4 has been running hot and the spiders living in it haven't been happy. Fortunately from a DX point of view my wife is coming up to Queensland 2 months after me, this has meant I've been able to put in a solid effort at the radio. All listening has been from home using 4 EWE's, this means I'm at the mercy of pure luck when it comes to what noise is on the band each morning or evening. Craigs Trail follows later in these pages.

Gordon Mathieson Paeroa has logs as 1XT Village Radio, Tauranga 1368, 1XK Moana AM Tauranga 1440, Good Time Classics 1521.QSLs in from Community Radio Hamilton 1206, and 1XT Village Radio 1368.

Craig Edwards, Townsville, Queensland reports QSL's in from 4EL 846 kHz. FD letter in 7d for SASE & postcard, v/s Mrs Lee Campbell, Stn Manager, PO Box 6110 Cairns QLD 4870. (CE) 4TAB 891 kHz. PD letter in 7d for SASE & postcard, v/s Van Richards-Smith, Chief Enginer

VK4ZVZ, Radio TAB PO Box 275, Albion QLD 4010. (CE)

4KZ 531, 693 & 1620 kHz. FD letter & stickers in 7d for SASE & postcard, v/s Al Kirton, General Manager 4KZ & 4AY & KOOL FM, 1 Edith St, Innisfail QLD 4860. (CE)

4AY 873 kHz. FD letter & stickers in 7d for SASE & postcard, v/s Al Kirton, General Manager 4KZ & 4AY & KOOL FM, 1 Edith St, Innisfail QLD 4860. (CE)

2RN Sydney 576 kHz. FD ABC QSL card & RN stickers in 3 weeks for SASE. Address: Radio National, GPO Box 9994 Sydney NSW 2001. (CE)

2WEB Bourke 585 kHz. FD letter & sticker in 3 weeks for SASE. v/s Sue Smith, Manager, PO Box 426, Bourke NSW 2840. (CE)

2EL Orange 1089 kHz. FD letter in 3 weeks for SASE. v/s Ray Wilson, Station Manager, PO Box 88, Orange NSW 2800. (CE)

4BI Brisbane 1197 kHz. PD QSL email in 1 week from Robert Bowyer, Operations Manager bobby@i1197.com (CE)

CNR1 1035 kHz. Full data CNR card in 7 weeks. No v/s China National Radio, Department Audience, PO Box 4501, Beijing, China. (CE)

CNR6 Fujian 684, 909, 1089 & 1224 kHz. Full data CNR card listing all frequencies in 7 weeks. No v/s China National Radio, Department Audience, PO Box 4501, Beijing, China. (CE)

JONR Osaka 1008 kHz. FD QSL card in 1 week from Asahi Broadcasting Corp, 2-2-48 Oyodo-Minami, Kita-ku, Osaka, 531-8501, Japan. (CE)

JOUC Hiroshima 1377 kHz. FD letter in 3 weeks, v/s Hideo Yamanaka, NHK Hiroshima, Otemachi Naka-ku, Hiroshima 730-8672 Japan (CE)

JOAK Tokyo 594 kHz. FD NHK QSL card in 3 weeks, v/s N Sato, NHK Tokyo, (CE)

1XG Radio Rhema 1251 kHz. FD QSL card & literature in 3 weeks, no v/s. Address - Rhema Broadcasting Group, Private Bag 92-636, Symonds St, Auckland NZ. (CE)

KXTA Los Angeles CA, 1150 kHz. Partial Data letter & stickers for \$US v/s Fred Roque. (CE)

KPRZ San Marcos CA, 1210 kHz. Full Data letter, A4 QSL certificate & stickers for \$US, v/s Craig Caston, Chief Engineer. (CE)

KFSG Sacramento CA, 1690 kHz. Partial Data written on Radio Poder giant sticker for \$US. (CE)

DX NEWS

THAILAND

Bangkok Digital Radio Test

During May, the NBT (Radio Thailand) transmitter on 873 kHz and located 20km to the north of Bangkok, was converted to digital using the DRM technology. The tests have been an alliance between the Asia-Pacific Broadcasting Union, broadcasters and digital equipment manufacturers and are the first mediumwave tests in the region.

The 10kW transmitter provided 3.7kW power output using 64 QAM modulation and reception conditions were field tested. In the open countryside around Bangkok, signal degradation with distance was markedly less than analog. A similar result was obtained in the relatively less dense areas on the on the edge of the city.

However, in the inner city of Bangkok, DRM reception was very poor, as was the analog signal. The consensus was that local fillers (or relays) would be needed as well as higher

power for the transmitter.

The head of Radio Thailand noted that MW radio 'is a vital delivery medium' in the region, and the ABU view is that digital MW will become the medium of choice for radio program delivery to mass audiences in the Asia-Pacific area. Other technology benefits from digital are seen as some way in the future still.

As an observation, DRM is much touted as a superior digital radio technology, but these first tests in Bangkok, seem to indicate that it's not all it's cracked up to be in terms of field reception in a major city. If DRM needs higher powered transmitters and local relay stations to deliver a listenable signal within 20km of the transmitter site, it seems a very expensive and power draining option. And, that's leaving aside the additional electromagnetic pollution generated close to where large numbers of people live, as well as interference caused to other signals. (Source:ABU Digital Radio Debuts in Bangkok, July 2004 APB Magazine *David Ricquish*

NEW ZEALAND

Auckland's other Hindi station, **Radio Tarana 1386 AM** extended broadcasts to 24/7 from June 1 and added a variety of top rating programs from India such as 'Bollywood Talkies' and popular Hindi entertainer Ameen Sayani. Indian taxi drivers as far south as Christchurch tune their cab radios to this 10kW signal through the night.

Radio Waitomo - 1170AM Te Kuiti

Since the station was taken over by new owners (after The Radio Network sold it) in January, it has been known as "The Voice of Waitomo". But from the 1st of August the station is now known as "Radio Waitomo 1ZW". The station has gone back to its original name before it became Classic Hits in December 2000.

By the way, if anyone would like to log Radio Waitomo 1ZW on 1170AM then listen to my show on Sunday evenings from 7-9pm. Address is PO Box 276, Te Kuiti.

Thanks to Adam Claydon

DOWN THE DIAL Craig Edwards Trail from Townsville, Queensland

Times I presume are UTC?

- CNR Fujian, China. Very strong at 1205 with non-stop male talk in CC. (CE)
 KGUM Agana, Guam. Fair at 1455 with ads then KGUM web address announcement,
 DZBB Quezon City, Philippines. Fair in Tagalog here at 1727 with ID 'Super Radyo DZBB' ID at 1730 (CE)
 JOAK Tokyo, Japan. fair at 1230 with FA in JJ presenting classical mx show
 FBC Lautoka, Fiji. Poor in Fijian with MA talk mixing with 2HC & 4MS at 0720 (CE)
 Qinghai, China. Good in CC at 1311 over the top of a mix of Aussies.
- 666 RFO Noumea, New Caledonia.
- 684 CNR Fujian, China. Very strong at 1236 Mx variety show of sorts including classical

- mx, childrens mx and jingles in between MA and FA commentaries. // 1089 & 1224. (CE)
- JOAB Tokyo, Japan. Poor overall at 1120 but dominated channel for 5 minutes with JJ MA talk then a FA gave EE language lessons.
- JOCK Nagoya, Japan. Fairly good in JJ w/ FA news at 1003, mix with 5RN. (CE)
- 765 CNR Fujian, China. Fair at 1756 in CC with CNR network pgm (CE)
- 810 RRI Merauke, Irian Jaya. Fair at 1319 ,easy listening mx show then ID at 1330. (CE)
- DXUM Davao City, Philippines. Fair at 1115 in Filipino with FA chat then MA with echo giving ID and then Davao City station address, followed by slick US style adverts in EE. (CE)
- 308 JOBB Osaka, Japan. In the clear for 10 minutes with MA talk in JJ at 1340 (CE)
- 830 KHVH Honolulu, HI. Fair at 1445 with pgm on politics & religion, then KHVH call ID (CE)
- 891 HLKB Busan, South Korea. Good signal at 1840 but tough under talk from cochannel 5AN 909 CNR Fujian, China. Quite good here at 1008 in CC with contemporary mx // 684, 1089, 1224
- 909 RRI Sorong, Irian Jaya. Good at 1357 over China with MA DJ Listener call ins after ID on hr.
- JOCB Nagoya, Japan. Fair at 1008 with EE lessons mixing with pop songs from RRI Sorona.
- JONF or JOTR, Japan. 1902 UTC, too hard to tell which one as mainly mx talk under talk from 4PB. (CE)
- 972 HLCA Langjin, South Korea. MA & FA talk at 1410 in KK mixing here with 5PB. (CE)
- Philippines. At 1010 UTC with overmodulated signal with MA & FA Filipino talk and jingles, tough as this poor audio was mixing with 2NM. (CE)
- 999 DYSS Cebu City, Philippines. Nice signal at 0951 in Filipino 'DYSS Report', local Pharmacy ads and 'Super Radyo' IDs. (CE)
- 999 RRI Jakarta, Indonesia. Poor level at 2035 in Indo with MA talk.
- 1008 JONR Osaka, Japan. Fading in & out with Taiwan at 1930 but dominant.
- 1009 DWGO Olongapo, Philippines. Noted off channel here at fair strength but terrible modulation at 1110. Talk back on community development then political pgm on education & IT (CE)
- 1017 JOLB Fukuoka, Japan. Fair here with NHK2 pgm at 1127. noted later with EE language lessons.lessons
- 1017 A3Z Nukuʻalofa, Tonga. Poor at 0833 but readable.
- 1020 KTNQ Los Angeles, CA. Poor but still readable with slow ranchera mx back to back.
- 1035 SIBC Honiara, Solomon Islands. Good signal here in EE at 1320 with US network pgm. 1035 CNR1, China. Poor at 1312 but occas over 2ZB and SIBC with traditional CC mx pieces
- 1040 KLHT Honolulu, Hi. Poor at 0955 with religious talks & Christian pop mx (CE)
- 1050 KTCT San Mateo, CA. Fair at 0825 with 'Sports Leader' pgm with NBA report.
- 1053 RRI Jayapura, Indonesia. Poor at 1050 in Indo
- 1053 JOAR Nagoya, Japan. Pretty good at 1153 in JJ with lively talks between 2 MA's. (CE)
- DXKT Davao City, Philippines. Good at 1137 in Tagalog with non-stop chatter then local ID with US accent 'Radio Station DXKT' (CE)

- 1080 KCNM Northern Marianas Islands. Fair on peaks but poor overall at 1523 Noted with easy listening mx, US accented announcer with ID at 1530, US style ads promo for their website (CE)
- 1089 CNR Fujian, China. Refer to log of 684. strong and the dominant signal on the channel.
- 1098 V7AD Majuro, Marshall Islands. Fairly gd signal at 0905 Great mx in Marshallese, listener call in with mx requests.
- 1100 KFAX San Francisco CA. Fair with religious programming at 0840 (CE)
- JOCF Japan. MA & FA talk in JJ very strong with EE pop mx, ads & 'JOCF ABS-CBN News' at 1430 (CE)
- 1110 KFAB Omaha, NE. Fair at 0956 with pop mx and "eleven ten KFAB" ID.
- 1116 Taiwan BCC or Ching Cha or Han Sheng network, 2 Taiwan stations here at 2000, one with animated announcements & jingles followed by selection of pops and the other non-stop talk.
- 1120 KPNW Eugene, OR. Fair at 1002 with ABC news and report from Tom Rivers (CE)
- 1125 YJB2 Vanuatu. Fair to good at 1356 but lots of fading. Pam in EE exactly
- 1125 1247 JOAD Okinawa. Fair in JJ .EE & JJ network ID with GMT time check at 1300 (CE)
- DXGM Davao City, Philippines. Good at 1018, 'Sports Arena' pgm with soccer results, then lots of 'Super Radyo' IDs and political ads & full 'DXGM Super Radyo Davao 1125 kilohertz with 10.000 watts' (CE)
- 1130 KSDO San Diego, CA . Fair at 1020 & dominant in SS with religious talk (CE)
- 1130 KRDU Dinuba, CA. Mixing at 1006 with KSDO, heard with end of news then 2 MA's discussing Christianity (CE)
- 1134 JOQR Osaka, Japan. Good at 1035.Lots of JOQR ID jingles during 2 MA DJ chat.(CE)
- 1152 HLCW Wonju, South Korea. Fair at 1933 with KK male chatter mixing with 2WG & unid CC. (CE)
- 1160 KSL Salt Lake City, UT. Fair at 1014 with weather.
- DYRD Philippines. Good at 1454 over unid China, sign off with full ID by US accent MA in EE announcing network & DYRD ID, address & names of studio personnel (CE)
- unid Papua New Guinea. Very interesting this, I tuned in at 2055 just after local sunset which is also the case for PNG. I initially though it was DYRD & I only stayed with it as there are 5 of them listed so I thought I might snare another one. Turned out to be male talk in pidgin EE at a peak a couple of minutes later talking about the government of PNG and joint Australia/PNG police initiative, song by Monique Brady then mention of Radio Australia news then suddenly gone at 2100. Didn't have enough time to check 585 or SW outlets. Who is this??? (CE)
- 1161 HLKU Busan, South Korea. Fair at 1642 over Aussies with female talk in KK (CE)
- DXMR Zamboanga, Philippines. Good with commentary in Tagalog on fuel regulation and political issues, ID as "Philippines Broadcasting Service".
- 1170 HLSR Kimje, South Korea. Very good at 1130 in RR with non-stop FA commentary. IDs at 1155 before going into JJ at 1200, well over 2CH (CE)
- 1179 RRI Padang, Sumatra. Fair at 1243 over usual mix of 3RPH, JOOR and Philippine stations. 1179 JOOR Osaka, Japan. Fair in JJ at 1215 with musical play (CE)
- 1180 Radio Marti, Marathon, FL. Poor but regular here in SS from 0830 (CE)
- 1188 CRI Yunnan, China. Fair in CC at 1230 with MA talk mixing with 2XM and religious

- pgm in EE from FEBC South Korea (CE)
- 1188 HLKX Inchon, South Korea. Not bad and in the clear at 2015, Non-stop religious talk.
- 1190 KEX Portland, OR. Poor at 0847 with back to back series of ads (CE)
- 1200 WOAI San Antonio, TX. Fair here at 1055 & always dominant on this channel.
- 1210 KZOO Honolulu, HI. Very poor in the mix of splatter from 1206 & 1215. Signal peaked up long enough at 1127 with Japanese pop music, 60's style jingle in JJ & EE ID as "This is K Z O O radio broadcasting from Honolulu Hawaii" (CE)
- 1215 DYRF Cebu City, Philippines. Good at 1503 with 'Election Patrol' segment and IDs (CE)
- 1224 CNR Fujian, China. Refer to log of 684. Fair level but competing with cc 2EA.
- 1233 TWR Cape Greco, Cyprus. Fair here in AA with MA talk & typical M/East mx (CE)
- 1242 8TAB Darwin. Great to hear this despite cochannel 4AK Toowoomba noted with TAB IDs & fishing show of all things at the early hour of 2046 UTC (6:16AM NT time) (CE)
- 1242 Voice of Vietnam External Service. Fair at 1510 in EE over cochannel 4AK for brief period with international news items by MA & FA. (CE)
- DXRF Davao City, Philippines. Good at 1937 relaying DZRH with Filipino MA DJ hosting talk show with lots of callers, at 2000 full DZRH and Manila Broadcasting Corporation network IDs. (CE)
- 1269 Voice of the Strait, Fuzhou, China. Good here // SW outlet at 1115 & over 2SM, BEC44 Taiwan & unid Philippines (CE)
- 1269 BEC44 Penghu, Taiwan. Poor at 2024 with 2 MA's and lots of talk of Taiwan.
- 1278 JOFR Fukuoka, Japan. Good at 1958 over 3AW in JJ with ID followed by pop mx (CE)
- 1287 JOHR Sapporo, Japan. Good at 1940 prior to DXRC signs on. Lots of great JJ pop mx. (CE)
- DXRC Zamboanga City, Philippines. Fair at 1222 briefly over 2TM enough to give full ID and sign off announcements with US accented MA in EE (CE)
- 1296 DXAB Davao City, Philippines. Fair at 1026 but fading with 4RPH, Filipino MA talk.
- 1300 XEP Cd Juarez, Mexico. Fair at 0837 in SS with ranchero mx & few MA announcements. 1314 BEV76 Tien Sheng BC Station, Taiwan. MA talk at 1957 then t/tones and ID on the hour
- DWXI Paranaque, Philippines. Good at 1148 with rel. service by MA preacher in Tagalog
- JOUF Osaka, Japan. Fair here in JJ at 1627 mixing with unid CC sounding Asian. (CE)
- 1320 XEJP, Mexico City, Mexico. Fair at 0949 with talk by MA & FA in SS, broken up by the odd couple of love songs. Mixing with KCTC. (CE)
- 1320 KCTC Sacramento, CA. Poor at 0856 with oldies.
- 1323 CRI Changchun, China. Fair here at 1125 in CC with MA & FA chatter then promo for www.cri.com.cn with signal over Japan & Thailand (CE)
- 1323 Thor. Or. Thailand. Good at 1240 in Thai dominant over NHK, no sign of 5DN. (CE)
- 1350 PBS Kunming, China. Presumed the one here at 2008, fair level with non-stop MA talk in CC.
- Family Radio, Taiwan. Very good at 1436 over 4WK with non-stop commentary in Chinese then full Family Radio IDs in English 2/5 Also noted with US accented EE religious pgm at 2025 (CE)
- 1370 KZSF San Jose, CA. Fair with talk in SS at 1030 (CE)
- 1377 DXKP Pagadian City, Philippines. Fair at 1130 in Tagalog with dedications then "Radyo Ronda DXKP 1 3 7 7 kilohertz" ID (CE)
- 1377 CNR Henan, China. Fair at 2034 in a big mix of Asians.

- JOUC/JOAC, Japan. Good signal at 1303 running NHK2 network and no sign of 3MP.
- 1380 XECO, Mexico City, Mexico. Poor here at 1007 with MA non-stop talk in SS (CE)
- 1386 HLAM Makpo, South Korea. Dominant at 1910 with EZY listening mx & FA talks.
- RRI Wamena, Irian Jaya, Indonesia. This station is not listed. Finally ID'd this after WEEKS of trying. Very good and a regular here but the pgm'ing is mainly easy listening island music, music request shows with few formal announcements & they rarely ID on the hour. Caught this one at likely 2000 sign on with formal 'RRI Jakarta' announcements then followed by 'Radio Republik Indonesia Wamena' ID and AM & FM frequencies. (CE)
- BEV78 Yi Shih BC Station, Keelung, Taiwan. Fair at 2007 in the clear with religious service in Taiwanese (CE)
- 1410 XECF Los Mochis, Mexico, Fair at 1105 in SS with time check & ID.
- 1410 CFUN Vancouver, Canada. at 1011 with female talkback DJ, later noted big band mx underneath from XECF. (CE)
- 1420 0801 KKEA Honolulu, HI. Fair at 0801 with non-stop sports
- 1440 JOWF Sapporo, Japan. At 1120, JJ call of soccer game, mixing with 2PB. (CE)
- 1450 XECU Los Mochis, Mexico., Bia band mx & animated MA in SS. (CE)
- 1458 DWRF Iba, Philippines. Poor, Filipino Sunday mass ceremony at 1145 (CE)
- 1458 DYZZ Guihulgan, Philippines.with political announcements and network DXBM IDs at 1215
- 1460 KRHA Honolulu, HI. Fair at 0815 with non-stop male talk in Korean (CE)
- 1460 KION Salinas, CA. Good mixing with KRHA at 1226., '14-60 KION Your Talk Leader' ID & KION farming & agriculture report (CE)
- So. Wor. So., Bangkok, Thailand. Fair here in Thai at 1156 with instrumentals & pgm annc's mixing here at equal levels with HLKN Mokp'o, South Korea with musical (CE)
- 1470 XEAI, Mexico City, Mexico. Fair with SS at 0909 & noted unid SS stn probably KUTY?
- 1485 4HU Hughenden. Fair on occasional peaks at 2015 with ID 'we are 630 ABC Radio North Queensland'. This is a tiny little 50 watt station around 325km from Townsville and is hardly ever heard, normally 2EA is only noted (CE)
- 1485 DYDH Iloilo City. Philippines. Fair in Tagalog at 2015 with network stn ID at 2030 (CE)
- DXOC Ozamis, Philippines. at 1205 with ID for network, jingle for DYRB and Sports Radio Manila Nationwide sports pgm (CE)
- 1500 KUMU Honolulu, HI. At 0730.
- 1500 XEDF Mexico City. SS at 1147 poor with MA talks and time check on the hour (CE)
- 1510 KGA Spokane, WA. Poor at 0805 with mainly talk and occasional ads (CE)
- DYAB Cebu City, Philippines. At 1147 with Filipino & EE song show with MA in Filipino, DYAB IDs between songs. (CE)
- 1520 KOMA Oklahoma City, OK. Strong with KOMA ID and web address at 0950 (CE)
- 1530 DZME Manila, Philippines. with national network pgm on economics at 2004 (CE)
- 1530 VOA Sao Tome. Fair at 2042 in EE with VOA sports show.
- 1539 BED78 Tainan, Taiwan. Good in Taiwanese at 2010 well over 5TAB & 2RF (CE)
- 1540 KREA Honolulu, HI. Good here but 2RF 1539 annoying. Korean paming here at 1053 (CE)
- 1540 KMPC Los Angeles, CA. Fair mixing with KREA at 1242 with sports news & ads.
- 1548 DW via Sri Lanka. Fair in presumed Sanskrit at 1552 under 50kW 4QD
- 1560 KNZR Bakersfield, CA. Poor at 1249 with talk back show (CE)

1557	France Info, France. Fair at 2015 on peaks with MA in FF
1557	Family Radio, Taiwan. Fair at 2015 mixing with France & no Aussies around. Religious
	Sunday morning mass only broken up once with Family Radio website promo in EE. (CE)
1566	DXID Pagadian Philippines. Quite good at 0945. Animated Filipino chatter with typical
	overmodulated jingles, many DXID IDs. (CE)
1570	XERF La Poderosa, Mexico. From 0800, the most regular Mexican heard here, time
	checks, ID & leading into Ranchera mx (CE)
1575	VOA, Thailand. Thumping signal nightly — common I know, but still worth a quick
	log. (CE)
1600	XEGEM Metepec, Mexico. MA talk in SS with lots of talk of Mexico at 1055 then IDs (CE)
1602	NHK Japan. NHK low powered frequency in JJ here at 1540 with MA talks.
1640	KDIA Vallejo, CA. Fair at 1253 with religious pgm and 'Bible in the News Report' (CE)
1650	KDNZ Cedar Falls, IA. Poor with sports & talkback at 0952 with ID on the hour (CE)
1660	KTIQ Merced CA. Fair with SS talk pgm at 1258 with EE ID on the hour (CE)
1670	KHPY Moreno Valley, CA. Poor here with romantic SS ballads at 0940 (CE)

(CE) Craig Edwards, Townsville, Queensland, Australia. DXing from home with Drake SPR4 (off 12V), pre-amp & 4 EWEs.

A mini Trail from Bryan Clark at Mangawhai Heads

1050	MEXIC	O 0537	XEG Monterrey strong in SS over presumed KCTC on sports. Time check 0546 and idents as 'La Ranchera' and 'Radio Ranchera', 6/6.BCM
1070	USA	0533	KNX Los Angeles with newstalk format, tributes to President
			Reagan by Californian politicians, 6/6. BCM
1570	MEXIC	O 0538	XERF Ciudad Juarez seems more regular nowadays — improved
			power or antenna? Mainly SS talk format, ident over music at 0540 5/6.BCM
1600	USA	0535	Unid Yank here with mentions of "newsradio" 5/6. BCM
1620	US	0553	WDHP now relaying Radio Marti in SS overnight, first noted 6/6
	VIRGIN		over a US station. Full Radio Marti ident with theme music just after
	ISLAND	S	0600. BCM

PACIFIC ASIAN LOG 6TH EDITION

I'm pleased to announce the sixth edition of the Pacific Asian Log (PAL). It's been updated through July 2004 with many updates, including an expanded network section and many changes to the listings for China, Australia, India, and South Korea (to name a few countries). The log is over a hundred pages long and lists nearly 4000 stations in Asia and the Pacific (from Afghanistan to Alaska), with frequency, callsign, location, power, schedule, and other information

It's available in pdf format sorted by country or frequency. You can download it at no cost from my website http://www.qsl.net/n7ecj

As always, comments and updates are welcome and encouraged.

Bruce Portzer

Seattle, USA



AUSTRALIAN X-BAND AT A GLANCE AUGUST 11TH 2004

*

COMPILED BY DAVID RICQUISH WELLINGTON, NEW ZEALAND

Maximum licensed power: 400 watts, omni-directiona
--

1611	Radio 2	Brocklehurst 2830 (Dubbo)	MOR
1011	NTC Radio 16	Grafton (South) 2460	News/Talk/Country (4)
		•	
	2RF Rete Italia	Griffith 2680	Italian
	Radio 2	St Mary's 2760 (West Sydney)	MOR
	NTC Radio 16	Tamworth 2340	News/Talk/Country (4)
	3XX 16-11 Double X	Hoppers Crossing 3050 (Melbourne)	// FM Christian
	Alive Radio/Top of the Dial	Mildura 3550	
	Radio 2	Cluden 4811 (Townsville)	MOR
	4GT	Dalby 4405	Country
	6AY	Albany 6330	MOR
	AM 1611 Margaret River Radio	Margaret River 6284	MOR
	Radio 2	Darwin 0800	MOR
1/20	Radio 2	Cygnet 7112 (Hobart)	MOR
1620	2MORO	Homebush 2141 (Sydney)	Arabic
	2MAX	Narrabri 2390	// 91.3FM
	1RF Rete Italia	Queanbeyan 2620 (Canberra)	Italian
	Radio 2	Shoal Bay 2315 (Newcastle)	MOR
	Radio 2 Radio 2	Bayswater 3153 (Melbourne) Cairns 4870	MOR MOR
	Radio 2	Caloundra 4551 (Sunshine Coast)	MOR
	Radio 2		MOR
	4KZ	Carrara 4211 (Gold Coast) Georgetown 4871	// 531 AM
	Radio 2	Manly 4179 (Brisbane)	MOR
	Radio 2	Toowoomba 4250	MOR
	Radio 2	Old Noarlunga 5168 (Adelaide)	MOR
	Radio 2	Balcatta 6021 (North Perth)	MOR
1629	NTC Radio 16	Armidale 2350	News/Talk/Country (4)
1027	NTC Radio 16	Brocklehurst 2830 (Dubbo)	News/Talk/country (4)
	Radio 2	Grafton (South) 2460	MOR
	Radio 2	Murrumbateman 2582 (Canberra)	MOR
	NTC Radio 16	O'Connell 2795 (Bathurst)	News/Talk/Country (4)
	2HRN Hospital Radio Network	Sandgate 2304 (Newcastle)	MOR
	3RF Rete Italia	Shepparton 3631	Italian
	Radio 2	Williamstown 3016 (Melbourne)	MOR
	4DB Country Music Network	Dalby 4405	Country
	4RF Rete Italia	Mango Hill 4058 (Brisbane)	Italian
	5RF Rete Italia	Regency Park 5010 (Adelaide)	Italian
	Radio 2	Mundaring 6073 (City & East Perth)	MOR
1638	2ME	Concord West 2138 (Sydney)	Arabic
	3ME	South Morang 3052 (Melbourne)	Arabic
1647	NTC Radio 16	Kaleen 2617 (Canberra)	News/Talk/Country (3) (4)
1665	Radio Symban	Canberra 2601	Greek
	2MM	Marrickville 2204 (Sydney)	Greek
1683	Club AM	Woden 2607 (Canberra)	Greek

Club AM 1701 NTC Radio 16 Radio Brisvaani Radio Rhema/Vision FM Lakemba 2195 (Sydney) Silverwater 2141 (Sydney) 17 Mile Rocks 4073 (Brisbane) Rockingham 6168 (Perth) Greek News/Talk/Country (4)

Contemporary Christian (2)

Hindi

Notes: (1) additional Radio 2 and NTC sites regularly coming on air and/or testing. Sometimes, Radio 2 may be off air at some locations.

- (2) listed operator, tests heard south of Perth end of May;
- (3) NTC Radio 16 replaced 2ME from this site from the last week in June 2004 and tested here for about 10 days before ending transmission in early July.
- (4) NTC Network silent after bankruptcy of satellite delivery company TARBS in early July. New program distributor being sought.

© Radio Heritage Foundation 2004 David Ricquish, Wellington



Sample Electronic QSL card that can be obtained from Radio New Zealand International by filling out a reception report online at http://www.rnzi.com/pages/qsl_web.php

ADVENTIST WORLD RADIO "WAVESCAN 2004 DX CONTEST"

As with previous Wavescan DX contests, the big DX Contest for this year will also run throughout the month of September. Here are all of the contest details, and in addition, there will be a series of special broadcasts from the AWR transmitter KSDA5 on the island of Guam.

All entries must be postmarked in September 2004, though in some cases early entries will be accepted. Late entries will not be awarded any prizes though the reception reports will be verified with our QSL cards and the 2004 endorsement.

CONTEST REQUIREMENTS:

<u>PART A</u>: Five QSL cards in your collection that depict a specific theme.

Search your QSL collection and choose your five best cards that depict a specific theme. You may choose any theme, and it might be, for example, world maps, or flowers, or animals, or birds, or people, or radio equipment, or sunsets, etc. You may send a copy of these five cards in colour, or black & white, or you may describe them. Each card should be from a different station. Your QSL cards may verify a broadcast from a station on shortwave, mediumwave, longwave, FM or utility communication, but not amateur, CB nor TV.

<u>PART B</u>: Another five QSL cards in your collection that depict another specific theme.

Choose five more QSL cards that depict any other theme. Each card should be from a different station, though these cards may be from any of the same stations as in Part A, if desired. You may send a copy of these five cards in colour, or black & white, or you may describe them.

<u>PART C</u>: Write a script for broadcast in our DX program, "Wavescan".

You may choose any topic that you consider could be suitable for broadcast in "Wavescan". Your script should be no longer than 800 words, it should be written in English, and it may be handwritten or typed.

<u>PART D</u>: Submit 3 reception reports on any AWR transmissions.

These reports can be on the reception of any AWR broadcasts on any station anywhere in the world. However, if possible, one of these reports should contain the program details of a broadcast from the AWR transmitter on Guam, KSDA5.

PART E: Where possible, submit 3 radio cards.

These cards may be new or old QSL cards, new or old tourist postcards that show radio in some way. Not valid for this contest are amateur nor CB QSL cards.

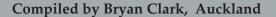
CONTEST AWARDS

- The world winner in our "September DX Contest" will receive the 2004 engraved Bronze Medallion and an autographed copy of Jerry Berg's highly regarded radio volume, "On the Short Waves".
- Additional continental winners will receive a copy of their choice of either "Passport to World Band Radio 2005" or "World Radio TV Handbook 2005".
- 3. Several hundred other awards are available from AWR, including souvenirs, cards and small tourist items.
- All reception reports will be verified with our AWR QSL cards specifically endorsed for the 2004 DX contest and with the 2004 QSL stamp.
- 5. As a gesture of goodwill to the international radio community, Adventist World Radio will make a series of broadcasts specifically from transmitter KSDA5 on the island of Guam. During the past couple of years, all four of the older transmitters at this station were removed and replaced with five newer units obtained from a large shortwave radio station in South Africa. In addition, a new matrix switching unit has also been installed so that the output from any of the five transmitters can now be fed into any of the four curtain antennas. The fifth transmitter is in use as an auxiliary unit to replace any of the others that happen to malfunction. So that international radio monitors, shortwave listeners and DXers can specifically log and QSL unit 5, a special schedule will be implemented for the occasion. Transmitter KSDA5 will be activated with regular programming during the month of September and the complete schedule will be announced in advance. QSL cards verifying the reception of these specially arranged broadcasts will be endorsed for transmitter KSDA5.

THINGS TO REMEMBER

- All entries must be postmarked during the month of September and received in Indianapolis before the end of October, though in special cases early entries will be accepted. Late entries will not be entered into the contest though the reception reports will be verified.
- 2. Where possible, please provide a strong, self-addressed business size envelope.
- 3. Where possible, please provide return postage, preferably in an acceptable form of international currency, though mint postage stamps or IRCs will also be appreciated.
- 4. Any person may enter any or all parts of the contest and all entries will be answered. However, because of the large volume of entries, it may take many, many weeks to finally process them all.
- 5. The major winners in this year's contest will also be announced on Wavescan programme 516 on Sunday November 21.
- The only address for contest entries is: September DX Contest, Box 29235, Indianapolis, Indiana 46229 USA.

adcom.news@radiodx.com





WELCOME TO NEW MEMBER: MURRAY ASTON, 29 Hunt Road RD21, Stratford. Hope our columns help your radio listening efforts Murray and we hope you'll be able to let us all know what you are tuned to in the future.

ANNUAL GENERAL MEETING The League's 56th Annual General Meeting is scheduled for Sunday 31 October in Auckland at 2.00pm. Venue will be the Western Suburbs Radio Club's clubrooms at 3000 Great North Road, New Lynn. Remits for consideration at the AGM need to be received by our National Secretary EVAN MURRAY at P.O. Box 3011, Auckland, email varrisian@paradise.net.nz no later than †30 September, and they will be publicised in this column in September and October. Comments from branches and individual members on these remits need to be received by Evan no later than Tuesday 26 October. Members from outside Auckland intending to be at the AGM should also let Evan know of their intention.†

AWR WAVESCAN ANNUAL DX CONTEST Elsewhere in this issue of the DX Times (page 38) you'll find details of the 2004 DX Contest from Adventist World Radio. New Zealanders have won the contest on 5 previous occasions — RON KILLICK in 1999, BRYAN MARSH in 1980 and 1981, the late ARTHUR CUSHEN in 1995 and the late DOUGLAS DOULL in 1978, so we encourage you to give it a go in 2004!

<u>A GENTLE REMINDER</u> Does the address label on this magazine show your subscription expiry date as **Exp. 31/8/2003**? If so, and you haven't yet mailed in your 2003/04 subscription yet, please do so before the end of the month. You can use the subscription renewal form that appeared on page 25 last month or this month, or simply send your payment with a covering note to P.O. Box 3011, Auckland.

SUBSCRIPTIONS MADE EASIER New Zealand members can now, if they wish, save hassle and postage by paying their club subscription by internet Banking. The bank account details are: NZ Radio DX League, Account Number 12-3089-0286191-00. <u>Make sure that your name is included as the depositor</u>.

NO NOISE IS GOOD NEWS During the recent National Field Days near Hamilton, I was one of 10 people who turned out for a seminar conducted by Greg Walsh, a Radio Inspector with the Radio Spectrum Management Branch of the Ministry of Economic Development (MOED). The seminar was titled "No Noise is Good News" and explained how the farming community could help keep the radio spectrum clear of interference. An explanation was also given of the symbols that should appear on all radio, electrical or electronic items to show that they have been tested for radio interference and qualify under the MOED's compliance programme. There are joint standards between New Zealand and Australia, and our radio interference standards are in fact little different from those applying in North America or Europe. Approved devices including computers, television receivers and cordless

telephones will all carry the C-tick symbol plus either a Z-prefixed number for NZ, or an N-prefixed number for Australia. The MOED regularly audits products available in NZ for compliance.



Farming comes with its unique radio noise problems and the seminar highlighted Danfoss Variable Speed Drives in water pumps as a new and quite serious interference source, which requires the special fitting of radio filters and insulated cables to minimise. A widespread problem in the farming community is slow internet speeds caused by interference from poorly installed electric fences. If the 'clicks' are audible on the FM radio band, then the situation is particularly bad. The clicks themselves are caused by a secondary discharge, often resulting from wet grass coming into contact with the wire. Broadband internet access on the other hand is immune to all but the most serious electric fence noise. The MOED Radio Spectrum Branch produced several related publications last year and these can be viewed on the internet at www.med.govt.nz/rsm Or you can freephone 0508 776-4636 if you have specific queries regarding radio interference.

POWERLINE COMMUNICATIONS (PLC) — A THREAT TO OUR HOBBY? At the Fieldays Seminar by the Radio Spectrum Branch I asked Radio Inspector Greg Walsh about the interference potential of using power lines for internet connections. He confirmed that this technology can cause radio interference and NZ would benefit from trials currently being undertaken overseas. But he also confirmed that an experimental licence has been issued in this country to trial this mode of internet connection. We have received a lot of material on the anticipated threat to the DX hobby of PLC interference from US member BILL SMITH plus the North American Shortwave Association and American Radio Relay League. In the states it's also known as BPL—Broadband Over Power Lines. We will try and condense this material so that members are informed of this issue, but if you want to "know everything", I suggest you check out the ARRL website at http://www.arrl.org/tis/info/HTML/plc/

DEFINITELY LAST OF THE SWISS CHEESE Further to our mention in last month's column, members **PAUL ORMANDY** and **JIM SEARLE** have provided further updates on the planned closure of all radio broadcasts by Swiss Radio International (SRI) at the end of October. The station will in future concentrate exclusively on services via its internet platform www.swissinfo.org. During SRI's last 12 weeks on shortwave, it will be broadcasting a special half-hour programme each week to recall highlights since SRI first hit the airwaves in 1935. In the week starting August 1, listeners can hear how SRI evolved from the Swiss Shortwave Service - which went on air for the first time on 1 August 1935. Also the "Assignment Switzerland" programme series will profile personalities who have shaped Switzerland, it's 4 cultures and the Swiss living abroad. Those times and frequencies again for English from the Sottens transmitter site are 0730 and 0830 UTC on 21770kHz, 1730 on 17870kHz, 1930-

2030 on 13795kHz and finally 9885kHz at 2330 UTC.

THANK YOU to our member in North Carolina DAVID WERONKA who has sent in a photocopy of his QSL card from Radio Korea International, depicting a musician with an indigenous string instrument, and a verification letter from Voice of Indonesia which gives the programme schedule in French, German, Mandarin and Japanese and the following address for email reports - voi@rri-online.com

branch.news Compiled by Chief Editor, Wellington



AUCKLAND

The 25 July meeting was held at the Clubrooms.

The August meeting will be at the Clubrooms, 3000 Great North Road, New Lynn, just past Whau Creek, on Sunday, August 29th at 2 PM.

The September meeting will tentatively be at the Clubrooms on **Sunday,** September 26th at 2 PM.

Meetings are held on the last Sunday of the month except December.

SOUTHLAND

At the July Meeting, Members bought along items of interest and spoke about them. Arthur Williams had two Hikers One Receivers, Don Collie had a new Power supply unit he had just finished building. Paul had an old Pacemaker TP58 portable that he once carried along the main street of Timaru many years ago tuned to KFBK on 1530k/hz which heard at good strength at the time. Eric had 2, old Best of the Month Cards that he won 50 years ago! Other subjects came up at the meeting that were not related to DX in any way,however helped to fill the evening in. Our AGM is to be held in August. Don Collie has recently installed the replacement Solar Panel at Tiwai, (replaced by the Insurance Company), it seems to be working well. Good DX to all.

WELLINGTON AREA

There was a good turnout again for the bimonthly informal get-together at Te Papa on Sunday, July 25. Dene Lynneberg had some good stories about his BCL work in Taranaki and Hawkes Bay and also brought along a QSL album with some catches to make others drool. Fred Humphries has a wealth of knowledge about the LPFM scene around Wellington and brought us up to date on the latest news. Good to see John Mainland back again too. As usual, theloudest bunch in the lounge with lots of news and debate:)

The next informalget-together date is Sunday, September 26 at 1.45pm, again at the cafe lounge, 4th Floor, Te Papa National Museum. Good bus/train transport links and undercover parking on site andgreat coffee. Always look for the rowdy bunch and mark the date in your diary now. Out of town visitors always welcome. Contact: Ted Hopgood T: 04 586 2486. Email: eddyhopy@hyper.net.nz

NZ RECEPTION OF EUROPE IN OUR MIDWINTER By Mike Butler.

A few members have queried why the Shortwave Bands, especially the High frequency band to Europe have been so poor during the last few months. Mike Butler (our Propagation expert has kindly supplied the following explanation- Chief Ed)

In fact, to be specific, lack of **good** high frequency reception in NZ winter months from 08-20UTC.

Yes, this happens to some extent every year, but is more obvious during low Solar Flux periods.

You will know that long distance shortwave reception is largely dependent on two conditions:

- (1) The state of the F2 ionised layer which reflects the signal. The more radiation from the Sun (including higher Solar Flux levels) the stronger the reflected signal is.
- (2) The state of the D layer which absorbs signals. The <u>more radiation</u> from the Sun (as above) the denser it is and its <u>ability to absorb signals increases</u>. Its absorption also increases as the signal frequency is lowered. But at high Sun radiation levels it can affect even the 15MHz band.

Next, we look at the conditions in Europe during our midwinter period, say July. They will be having long sunlight days with the Sun closest to them and the F2 layer will be very strong. Sometimes the Maximum Usable Frequency (MUF) will be as high as 100MHz.(You've heard of long distance TV reception!)

But so is the D layer, for the same reason. In practice it may absorb all signals on frequencies below 15MHz and sometimes even on that frequency.

So one can expect weak or no signals from Europe <u>below</u> 15MHz during their summer day, say 08UTC to 20UTC. At 08UTC the Sun has likely to have been up for three hours or more and also has not set until 20UTC.

Now consider the conditions here in NZ in midwinter, say July.

The Sun is furthest away and rises late and sets early. So we are Sun-deprived. Thus the F2 layer is weak and can only reflect frequencies up to say, 9MHz, after 08UTC. (Refer my July Shortwave Forecast in the June *DX TIMES* issue for Australian reception, typifying conditions in our area.)

So in winter, at 08UTC Europe can only send us good signals of 15MHz upwards and we can only receive such signals below 15MHz. And that's the reason for this lack of reception.

After 08UTC of course things only get more incompatible. Europe's MUF and their Lowest Usable Frequency both go higher and our MUF goes lower.

At 20UTC things begin to equalise: Europe's Sun has set and ours has risen.

To illustrate the parameters I attach excerpts of my 08UTC chart for good European reception (see over

LOW SOLAR FLUX												MODERATE/HIGH FLUX														
65-94											95-149 150+															
MHz	Z Months:									N	ИHz	Iz Months:														
	1	2	3	4	5	6	7	8	9	Ο	N	D			1	2	3	4	5	6	7	8	9	Ο	N	D
6	X	X									X	X		6	X	X									X	X
7	X	X	X	X						X	X	X		7	X	X	X	X						X	X	X
9	X	X	X	X						X	X	X		9	X	X	X	X					X	X	X	X
11	X	X	X	X						X	X	X		11	X	X	X	X				X	X	X	X	X
13											X	X		13	X	X	X	X					Z	X	X	X
15		X	X							X	X	X		15	X	X	X	X	X			X	X	X	X	X
17	X	X	X							X	X	X		17	X	X	X	X	X	Z	Z	X	X	X	X	X
21														21	X	X	X	X	X				X	X	X	X

Z = Only under high flux-150+

marketsquare - members free advertisements

WANTED TO BUY OR BORROW

Wanted to buy, borrow,copy or have access to a Service Manual or alignment information for a Sony CRF230B receiver.

Or maybe someone knows a website with this info on it

Please contact John Haldane at John.Haldane@xtra.co.nz, phone 09 238 9151 or write John Haldane RD2 Pukekohe 1800

FOR SALE

Brand New AOR AR7030+ communications receiver for sale. Unit has been fitted with Collins 2.5 and 4.0 khz mechanical filters. Price: NZ\$2,400 plus delivery from Auckland. Enquiries to Jim at bp_express@yahoo.com

FOR SALE

Indonesian Language Reporting Guide by Gerry Dexter and Prof John Bryant. Tiare Publications (now out of print)

An extensive collection of sentences, words and phrases to allow reception reports to be written in Indonesian. Covers correct openings, closings, and suitable phrases to cover all reporting situations. Covers antenna and receiver details.

Copy is mint unused \$20 Phone 03 4545811 or email <u>jimandshirley@paradise.net.nz</u>

WANTED TO BUY

Wanted to buy a JRC 535d receiver Phone John at 07 5771311 or email johnjd54@xtra.co.nz

JAMMING & INTERFERENCE

Compiled by League member Rohan Wahrlich

The Monitoring Service is quite frequently asked to determine whether or not jamming is taking place on a reported frequency. The following is a brief description of some of the signals which may be encountered during day to day amateur operations.

Jamming is not a new concept. It has been around as long as there have been radio transmissions made. All radio equipment is vulnerable to jamming and it is best described as the introduction of radiation into our electronic receiving equipment so that it obscures or obliterates the information that would normally be received.

Jamming signals may consist of keyed continuous waves, tone, voice, music, artificial static or other types of noise signals.

There are three types of jamming methods — spot jamming, which jams only one channel at a time; barrage jamming, which jams several adjacent channels at a time; sweep jamming, a narrow band signal swept to and fro over a wide frequency band.

- Unmodulated carrier, this type of jamming, if strong enough, will completely eliminate all other signals.
- 2. Random keyed CW, this signal consists of an unmodulated signal keyed at random.
- 3. Keyed CW, similar to above but morse characters are transmitted at the same rate or slightly faster than the victim signal.
- 4. Spark, this type of signal consists of numerous bursts of noise of short duration, high intensity and high repetition rate. It is produced by broadcasting the noise made by sparking brushes of an electric motor, or similar source of impulsive noise.
- 5. Stepped tones, this signal usually consists of three or five separate audio tones transmitted in the order of first increasing and then decreasing pitch, and repeated over and over again.
- 6. Random noise. Noise is random, both in amplitude and frequency. Since it has no periodically recurring frequency it cannot be filtered out or otherwise eliminated without removing the desired signal. It produces a sound similar to that heard when a receiver is not tuned to a station and the volume control is turned to maximum.
- 7. Random keyed modulated CW, this signal consists of a continuous wave keyed at random and modulated by superimposed spark noise.
- 8. Rotary, this signal is produced by a low pitched, slowly varying audio frequency. The result sounds like grunting.
- 9. Gulls, consists of a quick rise and slow fall of varied audio frequency. The sound is similar to the call of a seagull.
- 10. Pulse, the sound of this signal resembles the monotonous repetition of high speed machinery. The rate of repetition is usually constant.
- 11. Tone, this consists of a single frequency of unvarying tone. Most often used to jam

modulated transmissions.

12. Wobbler, consists of a single frequency, modulated by a low, slowly varying tone. The result is a howling sound.

Jamming is a system used most by the military forces of all nations and usually reaches a peak during times of conflict.

The majority of jamming in the amateur fraternity is caused inadvertently by inexperience or careless operating procedures.

The article on jamming was written after a request to me as the IARU Region 3 Monitoring Serv ice Coordinator, to help define jamming signals. In my previous employment I had had to address this problem also. Rohan.

Try You like to communicate?

Amateur Radio

Become a RADIO AMATEUR!

<u>Teach</u> yourself - with a free **STUDY GUIDE!** <u>Test</u> yourself - with sample **EXAM PAPERS!**

Visit: www.amateur.radio.org.nz



Be **QUALIFIED** - earn your own Radio Transmitting Licence - with your own **CALLSIGN!**

The New Zealand Association of Radio Transmitters Inc.

Phone: 04 528 2170 Fax: 04 528 2173



ladders@radiodx.com Compiled by Stuart Forsyth, Darfield



MEDIUMWAVE	JUN	AUG	INC	CNTS	SHORTWAVE	JUN	AUG	INC	CNTS
OPEN (Over 500)	3011	700		0.110	OPEN (Over 500)				
Laurie Boyer	4016	4016	0	137	Ian Cattermole	4872	4929	57	200
Ray Crawford	2320	2327	7	188	Günter Jacob	2989	3019	30	164
Paul Ormandy	1568	1568	0	145	Barry Williams	2703			243
Sutton Burtenshaw	1048	1048	0	104	Ray Crawford	2633	2636	3	233
David Ricquish	866	866	0	66	John Durham	2262	2264	2	265
Bryan Clark	676	677	1	120	Laurie Boyer	1940	1940	0	188
Barry Williams	648			83	Robert Park	1787	1829	42	104
Mark Nicholls	643	643	0	67	John Campbell	1674			261
John Campbell	642			129	Paul Ormandy	1649	1649	0	245
Stuart Forsyth	614	632	18	49	Bryan Clark	1558	1559	1	236
Paul Aronsen	530	530	0	50	Paul Aronsen	800	800	0	125
SENIOR (301 - 500)					Peter Grenfell	673			133
Peter Grenfell	443			37	SENIOR (301 - 500)				
Gordon Mathieson	-	415		18	Andy McQueen	386			104
Frank Glen	301			22	Stuart Forsyth	384	385	1	106
INTERMEDIATE (151 - 3	300)				INTERMEDIATE (151 -	300)			
Andy McQueen	298			21	Arthur de Maine	271	272	1	93
Günter Jacob	263	263	0	47	JUNIOR (5 - 150)				
JUNIOR (5 - 150)					Mark Nicholls	121	121	0	55
Robert Park	86	86	0	2	Frank Glen	72			50
Arthur De Maine	57	58	1	11	Andrew Sunde	55	55	0	36
Andrew Sunde	24	24	0	3					
					UTILITIES				
FM-TELEVSION					Ron Killick	61754		_	133
Robert Krijger	678			6	Robert Park	78	78	0	5
Bryan Clark	148	148	0	5	Günter Jacob	14	14	0	12
Paul Ormandy	110			5					
Mark Nicholls	42	42	0	2	Stuart Forsyth				
Gordon Mathieson	-	29		3	c/- NZRDXL, P.O.Box	•			
Andy McQueen	29			2	or direct to 27 Math			72.	
Robert Park	19	19	0	1	E-mail: <u>smforsyth@</u>	<u> tra.co.nz</u>			

Not a lot of activity on the verification front it would seem. I have had a few back on Medium Wave, while Robert Park and Günter Jacob have had a good number back too.

A very warm welcome to Gordon Mathieson, who has been a League member since 1974. Gordon, it is great to have your contribution - we look forward to hearing from you regularly. Best wishes to all,

Stu

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.

The NZRDXL is administered from Auckland by:

NZRDXL AdCom, PO Box 3011, Auckland

Patron - Jack Fox jackfox@clear.net.nz president@radiodx.com - David Norrie National Secretary - Evan Murray (Tel. 09 483 9543) varrisian@paradise.net.nz vice.president@radiodx.com - Bryan Clark Treasurer - Phil van de Payerd

Treasurer - Phil van de Paverd paverdp@xtra.co.nz

Annual Membership:

Within New Zealand - NZ\$35.00.

Australia/Pacific Islands - A\$45.00

Rest of World- US\$33.00

All overseas members get airmail delivery.
An Electronic (only) magazine is now available in a
PDF Format for US\$10 or AUS\$20 International or
NZ\$20 for local New Zealand members.





We are able to accept VISA or Mastercard for International members. Contact us for more details. **Club Stationery** - Address all orders & enquiries

Stationery, 4 Kay Drive, Blockhouse Bay, Auckland.

Club Magazine:

The NZ DX Times, PO Box 3011, Auckland. Published monthly. Registered publication. ISSN 0110-3636.

Chief Editor/Publisher - Mark Nicholls editor@radiodx.com

Printed by ProCopy Ltd. Wellington

© All material contained within this magazine is copyright to the New Zealand Radio DX League and may not be used without written permission (which is hereby granted to exchange DX magazines). Where such permission is given, acknowledgement of the NZ DX Times and the original contributor is required.

Advertising Rates: "Marketsquare" members advertising is now free subject to available space. Commercial rates on request.





NZ DX Times
PO Box 3011
Auckland
EW ZEALAND

