



QST63

WWW.ZL2VH.ORG.NZ

Branch 63 Clubrooms
Park Street, Upper Hutt

190 Plateau Road
TeMarua
Upper Hutt 5018

Newsletter of The New Zealand Association of Radio Transmitters, Upper Hutt Branch 63, Inc.

February 2011

President:	Mark	ZL2UFI	Ph. (H) 526 8446 PH (W) 238 3401
	Mobile 021 100 3378		Email: mark@foxtrot.co.nz
Vice President:	Mark	ZL2WOL	
Secretary:	Peter	ZL2HM	Email: pikam@paradise.net.nz
Treasurer:	Gavin	ZL2ACT	
AREC:	Malcolm	ZL2UDF	
Editor:	Mark	ZL2WOL	Email: zl2wol@linuxnet.co.nz
Deputy Editor:	Mark	ZL2UFI	

Presidents Report

Hi everyone... and welcome to 2011!

Field Day is on the last weekend of February - Saturday 26th and Sunday 27th.

Peter ZL2HM has agreed to run this year's Field Day Station for the club - (I am away this year so not available). Peter has already booked in the site – Kaitoke Waterworks – same as last year. Hopefully the weather will play its part and you'll all have a good time.

The Big Coast 2010 is on the weekend of Saturday 19 and Sunday 20 March 2010 – at this stage our services are not required, so sadly an event we have all enjoyed, we'll not be doing this year. Malcolm ZL2UDF has been keeping in touch with the organisers, so unless we receive a late call then enjoy the weekend at home.

On the repeater front the 23CM Repeater has been working well. At recent Friday night meetings various talk has around how members or users can get onto this band now the repeater is up and running. Watch this space as we get together some ideas, one of which is for a group purchase of Mini-Kits from Australia (<http://www.minikits.com.au/>) like that used on the repeater for building transverters. Another solution for those looking for a viable commercial solution is perhaps the purchase of a hand-held like the Alinco DJ-G7 Tri-band Hand held with 2M/70CM and of course 23CM all built in.

Finally, a reminder that the Wellington EXPO 10 is on this year, Tawa College Gymnasium, Duncan St, Tawa - Easter Saturday 23 April 2011. Doors for vendors open at 7.00 am - public 10.00 am. The EXPO will close at 1.00 pm. Branch 63 commitments are to operate the talk-in station (Morrie ZL2ADP has agreed to do this), and assist with setting up and door sales of tickets. It would be good if members could operate a club table or a combined member table.

See NZART website for the registration form.

Dates to mark on the calendar:

National Field Day (26 - 27 February 2011)

Wellington EXPO (Easter Saturday 23 April 2011)

NZART Conference 2011 (4-6 June 2011)

Well that's the news from me... 73's and good DX....

Mark ZL2UFI

Repeater Update

1292 -23cm

On the Wednesday 29th December a working bee consisting of Simon ZL2BRG, Peter ZL2HM, Mark ZL2UFI and Jens ZL2TJT successfully installed the 1292 Repeater on site.

Reception Reports have been good and the Repeater is working well.

This is a copy of the news bulletin:

MT Climie 23cm Band 1292 (200) FM repeater is on air.

Branch 63 Upper Hutt announces operation of a 23cm band FM voice repeater at Mt Climie.

Altitude: 867m Longitude: 175.14135 Latitude: -41.14771

Location is the same as 145.425MHz, 147.30MHz, 438.60MHz (88.5Hz) 52.275MHz (FSK beacon) 28.229MHz (FSK beacon)

1292MHz TX and 1272MHz RX consisting of the following:

Mini Kits Australia EME72B RPT using a Tait VHF IF.

TX power is a Mitsubishi RA18H1213G module.

The duplexer is from duplexers.eu model MDF1-6-23CM.

The Antenna is a 9dBd vertical coaxial co-linear based on a design by Mike Collis WA6SVT and Peter Williams ZL2ARW.

Feeder coax is 8M of LDF-450.

RX bandwidth is flat to -3dB points of +/- 7 kHz.

RX sensitivity at antenna 0.2uV (-122dBm)

TX power at antenna is 12 watts. (95W ERP)

230VAC to 13V Twin Power supplies with battery backup.

Repeater controller is a VK5DJ design.

Operational notes:

1292 has a beacon mode every 30 minutes with AFSK Morse identification.

TX has 88.5Hz CTCSS tone while repeating and no tone in beacon mode.

CTCSS on repeated audio only.

TX lockout timer is 30 minutes.

Mains fail alarm is a long tone replacing the normal pip at the end of the tail.

Many remote control trustee features available.

Branch 63 acknowledges the work done by the following members:

Simon ZL2BRG Building and tuning of the RF deck MiniKits EME72B RPT.

John ZL2TWS Building the antenna, Duplexer, Tait VHF IF deck and PSU design.

Jens ZL2TJT Building the PSU rack, batteries, antenna pole and rack heating.

Paul ZL2UGR Complete construction and programming the VK5DJ controller.

Neil ZL2TNG Supplying IF parts and controller.

Chris ZL2DX Supplying of RF components and test equipment.

Phil ZL2HF Antenna mounting hardware.

Peter ZL2HM coax and connectors.

Mark ZL2UFI Administration and project management.

860 70cm

860 Continues to give decent performance on the temporary dipole antenna. John ZL2TWS investigated the problem with the colinear antenna and found that the problems were being caused by a bad N type connector . The Connector was replaced and antenna tested with the spare 860 repeater. A working bee will be scheduled to reinstall the antenna. On the 29th of December the receiver was replaced with a more sensitive unit.

730 / 5425 2m Repeater

Nothing to report



23cm antenna on old metal pole



**23cm rack inside the northern hut
Mt Climie**

New Project - 3cm Beacon !.

I had been considering constructing a 3cm beacon for a few months, there are no active narrow band beacons operational in New Zealand. I was chatting to Simon Lewis ZL4PLM about it and he very generously offered on permanent loan a complete 4W 10 Ghz beacon, with a GPS locked reference , 10db gain omni directional antenna !. The hardware is essentially complete and is on soak at ZL4PLM's qth. So we are looking for a install in late summer.

Repeater report from Simon ZL2BRG

**Club HF Net 3.715 MHz
Every Tuesday at 0800 UTC**

Listen for ZL2VH and *join in.*



NZ Association of Radio Transmitters (Inc)

Hutt Valley Branch 18

PO Box 30-519

Lower Hutt

Topic: Presentation on the activities of the Police e-Crime unit

Dear Sir,

Branch 18 wishes to invite you & your Branch members to a Presentation and Talk by Martin Kleintjes on the activities of the **Police e-Crime unit. (All types of electronic crime)**

Because of the high level of interest expressed in this up-coming talk, we have hired the large Hall next door to our clubrooms and invited other local Branches.

When?

Monday 7th March 2011 at 7:30pm.

Location?

**Hutt Valley Tramping Club Hall
(next to NZART Branch 18 Club room)
Philip Evans Reserve,
Service Lane off Birch Street
Waterloo
LOWER HUTT**

Thanks

Chris ZL2POS
Secretary Branch 18

Centre Victoria RadioFest No. 4

Sunday 13 February - Kyneton Racecourse

THE BIGGEST RADIO EVENT IN VICTORIA

Much more than a place to pick up a bargain, but you can certainly do that in the Traders Hall supported by all the major traders or at the second-hand market place.

'Socialise, see, learn and enjoy' a family friendly event where you can have picnic and relax.



Check out this great program

- ✓ The DX0DX Team Leader Chris Dimitrijevic VK3FY - DU8/VK3FY will give an exclusive insight into the planning, deployment and outcome of this major DXpedition.
- ✓ Optical (light beam) Communications has come a long way through a small number of Australians exploring technology and techniques including over the horizon and cloud bounce. Rex Moncur VK7MO will speak on the subject.
- ✓ The 8th IARU Region 3 Amateur Radio Direction Finding Championships will be held near Bendigo 23-28 September 2011. To tell us all about it and how volunteers can assist will be Jack Bramham VK3WWW the WIA ARDF Coordinator.

DISPLAYS AND ACTIVITIES

- Emergency communications at the ready
- Scout radio display
- Historical radio on show
- F-Troop photo call of Foundation licensees
- Bendigo District Astronomical Society
- CQ Awards QSL checking with VK3PA

More details listen to the VK1WIA broadcast or check out the website

Second-hand market and car-boot sales
Bookings of tables and car-boot space close soon. These are low cost and include one entry ticket. An application form and conditions on the website (see below) or contact Tony Hambling VK3VTH 0423 635 152

Catering: Hot and cold food and drinks will be catered by the Kyneton CFA Auxiliary. Hot breakfast is available from 9am. Free tea and coffee available all day. Or bring your own lunch to enjoy in picnic style.

Entry tickets \$10: On sale from 9am with the gates opening at 10am. Free entry to children aged under 13. No pets or alcohol. The venue is mostly under cover suited for all weather.

Door prizes: Entry tickets will be drawn for the winners of available door prizes.

Venue: Kyneton Racecourse, Campaspe Place (off Beauchamp St), Kyneton, Only 50 minutes from Melbourne and an hour from Ballarat and Bendigo. Plenty of free parking.

Info and talk-in: Mt Macedon 2m repeater VK3RMM 147.250MHz from 7.30am to 10.30am on the day.

Email: radiofest@amateurradio.com.au

Website: radiofest.amateurradio.com.au

Don't miss this major event and great social occasion for everyone with an interest in radio communications. Ready to help you maximise your participation are volunteers from *Amateur Radio Victoria* and the *Central Goldfields Amateur Radio Club*.

The program advertised reflects what is proposed at this time and may be subject to change.

SmallAdvs 1001 9802 5828