



Hastings Br
13
Club Call
ZL2AS

Napier Br 25
Club Call
ZL2GT

IRLP
Node
6793
147.250

**HB DX
Cluster**
ZL2AL-1
144.650
Connect
and type
"DXC"

**Branch
Nets**
9.00 AM
Sunday
Morning
3615 Hz
147.250
MHz

Editor
John Newson
ZL2VAF



Successful candidates with their Tutors

Left to right (back row) Peter ZL2LF Tutor and supervisor, Rob ZL2RFL Host, Peter ZL4KR, Warren ZL2AJ Principle Tutor, Campbell ZL2CCM and Jan ZL2CZE. (Front row) Andrew ZL2AJD, James ZL200, Lee ZL2AL Exam supervisor, Gary ZL1GA and Peter ZL2AK.

View Attached File As Sent to Break Out (Exam Weekend.doc)

<http://groups.yahoo.com/group/zl2as/>



Join the KIWI DX Group
Talk to ZL2AL for Details

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HASTINGS BRANCH 13

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Committee: - John Newson ZL2VAF Ph. 027 230 3642 email john.newson@xtra.co.nz
- Chris Johnson ZL2VC Ph.879 5219 email z12vc@xtra.co.nz
- Lee Jennings ZL2AL Ph. 876 6662 email leejen@paradise.net.nz
- Peter Dingley ZL2LF Ph. 843 2664 email peter.dingley@paradise.net.nz

Hastings QSL Distribution: Chris Johnson ZL2VC Ph.879 5219

NZART License Examiners: Lee - ZL2AL and Peter - ZL2LF

Club Call: ZL2AS and ZL2QS

Club Nights: Fourth Wednesday each month at 7.30 pm Surf Club Rooms, Windsor Park, Hastings

Hastings Branch 13 - President's Report

Hi all. With the two wheel drive rally just completed and the block course completed we have had a busy month. The block course successfully gave us 7 new hams from a 2 day course This has never been achieved before so I am extremely pleased the experiment worked. We plan to hold more in the future. The new hams are as follows.

Andrew Donnelly ZL2AJD

Campbell MacDonald ZL2CCM

Gary Lodge ZL1GA from Te Awamutu

Peter Stiles ZL2AK

Jan Suldovsky ZL2CZE

James Boivin ZL2OO

Peter Corlett ZL4KR from Kapiti Coast.

We warmly welcome the new hams into the hobby and into HBARC club. It is timely to note that the club now boasts over 70 members. With a strong group we can make amateur radio happen. We will always strive to build on this to make HBARC an eventful and enthusiastic club for its members.

If you wish to purchase a copy of the training manual you can from myself or Charlotte for \$20 to cover printing costs. I am happy to provide the PDF files for free.

That said our next activity is JOTA. This will be the first weekend in some years that HBARC will be participating in JOTA. We plan on making it an activity weekend for both hams and scouts to enjoy. Nathan ZL2ND will be organising the scouting side of things, leaving the ham side to myself. With a prospect of having 60 scouts we should be able to have an enjoyable activity weekend. You are welcome to camp out for the night or return home to the homely comforts. I am looking for people to take on activities involving amateur radio. If you are interested please get in touch with me.

Details for Jota activity weekend

Date - October 17th and 18th (weekend before Labour weekend)

Venue - Clifton Station - Oposite 460 Clifton Rd, Clifton Beach.

Times - setup from 0800 Saturday morning thru to mid afternoon vacate on Sunday.

Bring - Food, drink, camping equipment if you plan on staying, and bring your enthusiasm for the hobby.

Talk in on 670 repeater. Club call ZL2AS will be used for the Jota station. Toilet facilities and water are available on site.

Other activities

The Palmerston North club are holding their table sale on the 3rd of October (Saturday). Contact Alan ZL2SKY for more info. z12sky@z12ko.org.nz

SAREX on 31st October - 1st November

CQWW on 31st October - 2nd November

VHF Field Day 5th December - 6th December

Club meeting on Wednesday at 1930 hrs. Look forward to seeing you there.

Regards,
Warren Harris
ZL2AJ

NAPIER BRANCH 25

President: Laurie Winton ZL2TC 843 8519

Secretary: Stan White ZL2ST 845 2422

Treasurer: Stan White ZL2ST 845 2422

AREC: Tony Wall ZL2RZ

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Committee:

Tony Wall ZL2RZ

Gary James ZL2GAZ 843 9596

Michael ZL2FAR 843 4210

email twall@paradise.net.nz

email gazzaj@paradise.net.nz

Committee Meetings: Third Monday of the month 7pm at Club Rooms

Club Call: **ZL2GT**

Club Nights: First Wednesday each month (except January) 7.30pm at the Club Rooms: 123 Latham Street Napier

NAPIER NEWS...

The next Napier meeting will be at the clubrooms on Wednesday October 7 at 7.30 pm. The construction evenings are continuing at the Napier clubrooms on Wednesdays between Napier and Hastings meetings at 7 pm. Most of those with kits are turning up plus Peter, Gary and Laurie who are assisting others. So far the front panels have been drilled and most of the components are mounted on the pc boards. Peter finished his early on and it is being used as model.

Congratulations to the new hams in the area as a result of the intensive weekend of study and test. Welcome to the crazy world of ham radio.

There is quite a bit of interest in a present DXpedition to FT5/G Glorioso Island in the Southern Indian Ocean off Africa. With the current 'low' conditions it is proving a real challenge, particularly for those that need it for a new country. To date six ZLs have made it, two on two bands 80 and 20 in one case and 20 and 30M in the other. The latter is local Gary ZL2IFB. There are also several small DXpeditions around the Pacific at present at Chathams, Nuie, Palau and Tuvalu which are overlapping each other a bit and causing confusion.

There are reports of some sunspots just emerging - we hope the trend continues. The contest season is upon us and the ZM2M team expects to take part in the Oceania CW contest and the CQ Worldwide SSB and CW contests. The Oceania contests are 'our' contests and therefore we should provide plenty of activity for the rest of the world. It is appreciated if you are able to take part from home for any part of these.

Dates for the contests are:-

Oceania SSB 3/4 October 0800 Sat - 0800 Sun UTC exchange report and serial number
Oceania CW 10/11 October 0800 Sat - 0800 Sun UTC exchange report and serial number
CQWW SSB 24/25 October (Labour weekend) 0000 Sat - 2400 Sun UTC exchange report and zone 32

CQWW CW 28/29 November 0000 Sat - 2400 Sun UTC exchange report and zone 32

Stan ZL2ST

'670 NOISE

Since a considerable amount of commercial work has been done during July/Aug at the ' 670 Kahuranaki site our '670 repeater has been affected by bursts of noise and extended noisy tails from time to time. Despite considerable remote investigations and discussions on the matter with the commercial site people there is no indication as to what may be causing the problem. From a trustees point of view timing of the problem seems to be the only indication of what it might be so please note any day/time that you hear or experience the problem and let David ZL2DW know. It seems that we may have to go to the site and wait for the event to appear and hopefully go on a day when it does show up, because there certainly are days when it doesn't. The noise does not stop legitimate and/or low level traffic from using the repeater in the usual way.

Thanks for your help, David (ZL2DW 8760518hm)

Taraponui

The second article in the series features a hilltop north of Napier. Taraponui is the highest point on the Mangaruru range. For us it hosts 2 repeaters and one digipeater. This article will cover the voice repeaters. The digipeater will be covered in a later article.

Fact sheet

Height – 1308 metres above sea level

Location – 42km north of Napier

Lat / Long – 39d 08.113S 176d 44.365E

Grid ref – V19 332233 or E2833245 / N6223338

Here we will talk about 2 repeaters – 725 on VHF and 8425 on UHF

First 8425. This repeater is a Tait T300 repeater channeled in the 70cm band. It receives audio on 433.425MHz and retransmits it on 438.425MHz. Like 670 in the last article, it is a stand alone repeater and has no remote control or linking facilities. That said 6925 repeater is now equipped to connect to it, however this will be discussed later. 8425 transmits a CTCSS tone of 123.0Hz, but requires no CTCSS to gate it open. It also transmits no CTCSS on its tail, so can be linked into offsite relatively easily. 8425 uses a Deltec duplexer comprising 4 cavity filters, then up LDF550 to a collinear antenna on the octagon tower just above the 725 transmit antennas, about 10m above ground level.

This repeater was established in August 2001 and gets little use. It has been used for events but the rest of the time it generally sits idle. It is a useful backup however for our network. It is powered from the site mains / site generator through an independent power supply.

It would be good to see 8425 get a little more use, however it will remain to sit and wait for when it is needed all the same.

725 is co-sited with 8425. They live in next door racks essentially beside each other in the same room. 725 is a Tait T800 repeater similar to 670. It receives audio on 147.850Mhz and retransmits it on 147.250MHz.in the 2m band. It transmits a CTSS tone of 71.9Hz (not on tail) but requires no CTCSS tone to access it.

725 has no onsite control or linking facilities, however offsite IRLP node 6793 connects to it. IRLP is Internet Radio Linking Project. Using the internet, nodes around the world can interconnect. All nodes have a 4 digit identification number. Ours is 6793. Gisborne has a node that is connected to their 680 repeater – node 6105. There are 16 nodes around the country. So lets hypothetically connect to Gisborne – how would we do it?

Step 1 – Listen – make sure no one else is using 725 locally

Step 2 – key up and announce your callsign and maybe the words switching or going irlp or similar

Step 3 – while still keyed up from step 2 dial the numbers 6 1 0 5 into dtmf and unkey

Step 4 – wait – an announcement will come over identifying the Gisborne node and something about being the first repeater in the world to see the new day – yea right.

Step 5 – after announcement wait some more. About 5 seconds is good. This does 2 things. It allows our announcement to finish (it might be longer than theirs). It also is a good check to make sure we haven't interrupted an established conversation on 680 repeater. We have no idea what was going on 680 before we connected.

Step 6 – key up – wait 1 sec and place your call – either to another ham or that you are listening, in the normal fashion. If no one answers the first call give it 10 seconds and place another call. Don't disconnect after 1 call. Many hams will only go back to you after a second call. Don't ask me why.

Step 7 – When you are finished and wish to disconnect simply key up and dtmf 7 3 and the nodes will unlink.

All very simple. Have a look around www.irlp.net for more information on the IRLP network. The IRLP node can be disabled by the trustees if 725 is being used for special events.

725 is powered from the site batteries, thus backed up by the site generator as well as having mains supply. It can receive -118dBm at the receiver and transmits about 12W out of the transmitter. The receiver is connected to the commercial spider and thus to the VHF antennas at the top of the south pole, about 20m above the ground. The transmitter sends its signals through 3 filters and out via LDF550 to 2 dipole antennas on the octagon tower.

725 can be heard easily in Hawkes Bay, as far south as Dannevirke and as far north as Taupo. It has almost complete coverage of the Napier Taupo road for mobile stations. On SH2 it covers as far as Raupunga reliably, but works intermittently to Nuhaka. South it has been worked from Otaki with a high gain base station, and North it has been worked from Kahunui hilltop, Coromandel.

725 used to be connected to 675 in Taupo but this has been disconnected as Taupo have since upgraded their repeater. The link may be re-established in the future however. It has also been linked to 690 on a temporary basis for events. 725 often gets used for events due to its large footprint into the ranges.

725 Hosts the combined branches 13 and 25 net every Sunday morning at 0900. This net begins with a round on 80m 3.615MHz which is broadcast on 725, then a round on 725 which is broadcast onto 80m. This is repeated a second time.

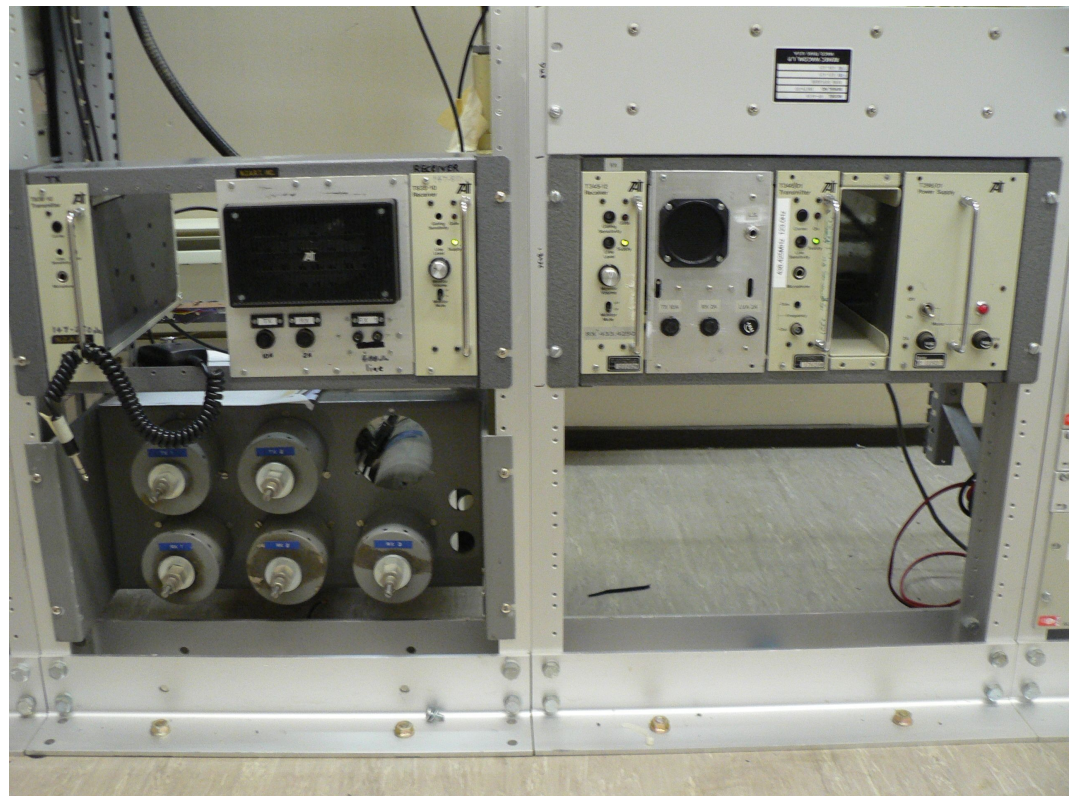
Taraponui has hosted 4 years of VHF field day contest station, working other stations around the country on Simplex SSB and FM on 50, 144, 432 and 1296MHz. This was always an enjoyable weekend at the beginning of December. Contacts included VK on 50MHz, North to Whangarei and South to Palmerston North, Marton on 144MHz. Contacts were made to Manganui Bluff (Dargaville) on 432MHz.

Taraponui hosts one of the high altitude repeaters in amateur radio, with only a few up higher. It could be accessed from many places next time a lift is on.



ZL2DW
working on
725 transmit
antennas

725 on the left,
8425 on the right. ZL2AS-3
now lives in the
hole under 8425.





Winter at Taraponui.

The view to Hastings and Napier from Taraponui



Field Day 2008 at Taraponui.

Attachments: Nato Study on Powerline Broadband and HF: NATO - PBL.PDF
Hawke's Bays Power Block Weekend License Course: Exam Weekend.doc

NOTICES

JOTA

17th & 18th October 2009



CQWW contest

31st October - 2nd November 2009



SAREX

31st October - 1st November



VHF Field Day

5th December - 6th December

*Please feel free to send notices to
john.newson@xtra.co.nz*

Buy – Sell - Etc



For Sale

Icom 751 HF Rig 160 to 28 mts 1 owner estate sale. Hand mic, power cable, Manual \$450.00

Icom AT 500 HF Full Auto Antenna Tuner 500W has Manual \$500

Icom 7000 HF,UHF VHF 6mt & TV,1,2,3 Prime ch. Power Cable, HM151 Mic, Manual separation kit, Mobile Bracket. \$2000.00

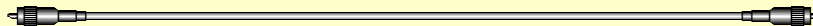
Icom 211 Base Rig 2 mts 10 W. Power cable, Mic, Manual \$300.00

Elecraft K2 Transceiver 15 W QRP 160 ~ 10 meter also has 100W mod & extra filters for reserve. Hand mic,Power Cables & Assembly manual & Mod Manuals \$1000.00

Balun 1.1 Isolation Balun 5Kw Model 1115u www.balundesigns.com \$220.00

Balun 4.1 Tuner Balun 4 Kw Model 4124 T \$250.00

Ph Wane ZL2WL 0226128922



Radio Equipment For Sale (ex Estate, offers to David ZL2DW)

Kenwood SSB Transceiver TS-120S

Kenwood HF Transceiver TS-830S

Kenwood Antenna Tuner AT-230

Kenwood Speaker/Filter SP-230

Kenwood DC Power Supply PS-30

Kenwood RF Dummy Load RD-300

Kenwood Microphone MC-50

Kenwood Speaker Mike SMC-30

Kenwood Speaker Mike MC-35S

Kenwood low pass Filter LF-30A

Ameritron RF Amplifier AL-811

Yaesu All Mode Transceiver FT-847

Yaesu Dynamic Microphone MD-100

Yaesu Dynamic Microphone MH-31

Coaxial Switch D-5200

Bhi NES 10-2 noise eliminating Speaker

Kenwood 430Mhz FM Transceiver TR-3600A incl. nicad charger

Kenwood 144Mhz FM Transceiver TR-2600A incl. nicad charger

Kenwood Base Stand charger ST-2

Kenwood DC-DC Converter DC-26

Gap Antenna

*Free Advertising for your bits & pieces. Contact ZL2VAF at
john.newson@xtra.co.nz*