



Hastings Br 13
Club Calls
ZL2AS
ZL2QS

Napier Br 25
Club Calls
ZL2GT
ZL2G

IRLP
Node
6793
147.250

Branch's
13/25
Net
9.00 AM
Sunday
Morning
670
Repeater

Editor
John Newson
ZL2VAF



YOTA at Bulgaria (Xenia ZL4YL and Jaidyn ZL4WW)"

<http://www.zl2gt.nz/>

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

Emergency Call-in Frequencies: 3615khz and 670 repeater

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HASTINGS BRANCH 13

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Club Call: ZL2AS and ZL2QS

Club Nights: Fourth Wednesday each month at 7.30 pm Pakowhai Hall, Pakowhai Road, Pakowhai

FROM THE BOSS MAN AT Branch 13

Gidday one and all from near and far.

Well here in the 'Bay the weather has been good and spring is upon us and just think Xmas is just around the corner, where has the year gone.

I for one have been having a hard time of it lately what with back pain, knee pain and now I've just had a carpell tunnel op. and I hope that's all that can go wrong this year and I wonder if the body is trying to tell me to back off and slow down, who knows but it has been making me think about retirement quite alot.

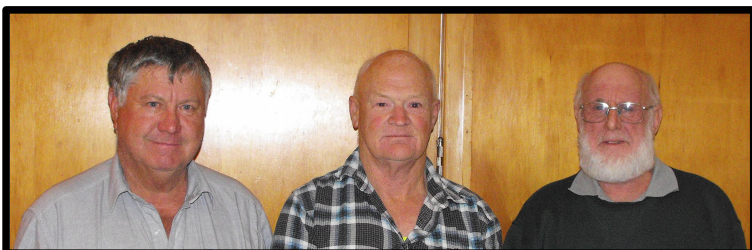
Well enough of that, lets move on. We are going to be looking for folks to help with the NZART 2021 AGM which Branch 25 have agreed to take on with the help of Branch 13 so it might be time for some of you to step up to the plate and put your hand up to make it easier for all and to make things run smoothly as it is a big undertaking by the clubs.

Also I think it is time that you all stepped up and helped with input to Break Out and stopped leaving it up to the same old ones to send stuff in so others can read it..... if they do read any of it and this I sometimes think does not happen, but you will be the ones that bitch and moan when you don't get it each month and quite frankly you have NO one to blame but yourselves. No input, no Breakout.

Well that's the bitching out of the way, I went up to Tauranga at the end of last month and made the mistake of going though Te Puke. What a mess up there with all the road works going on and toll roads. God help us if they do anything like that down here. Talking of road works our own expressway (What a JOKE) is a real mess at the moment and I for one don't like the idea of the steel wire down the middle but the powers at the top think they are good but talk to any of the ambos, fire or police and hear what they say about it, not good for guys on motorbikes if they run into them thats for sure.

Well that's it for this month and I look forward to seeing most of you at the Branch 13 meeting on 28 August or on air at some time.

Cheers Blue ZL3TT President, Branch 13, HBARC



*Branch 13/HBARC, Hastings, office bearers,
Peter Keong ZL2PW (Treasurer),
Blue Smith ZL3TT (President),
David Walker ZL2DW (Secretary).*

NAPIER BRANCH 25

**President: Dave Crook ZL2MQ,
Secretary: Karl Matthys ZL1TJ
Treasurer: Peter Breen ZL2CD
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Committee Meetings: 7:30 pm, 3rd Tuesday of January, March, May, July, September, November

Club Calls: ZL2GT, ZL2G

Club Web Site: <http://www.zl2gt.nz/>

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

From Napier Branch 25

From the last general meeting of Branch 25:

We have offered (with some help from volunteers of Branch 13), to host the 2021 AGM and conference of NZART, we now wait to see if that offer will be accepted.

Hasting Branch 13 has taken up an offer to install a UHF DMR digital repeater, possibly with one

talkgroup being attached to a proposed digital national system, the other talkgroup for local repeater operations. This is a leap into the future of repeater operations.

The annual "Show and tell " was well supported, with a tiny fully functioning W10 computer for about \$200.00 on show (ZL2IT); A rebuilt Computer PSU modified for more useful voltages (ZL2MY); a magnifying headset complete with LED lights (ZL2MQ); an old (1978) clipping from NZART Break in concerning the nature of wire aerials (ZL2DW); and a RSPduo two channel SDR receiver demonstrating diversity and / or noise reduction using the clubs vertical and dipole aerials (ZL2MQ).

Next meeting: Errol ZL2IT will talk some more about his experiments, as well as the usual general business and chat / cuppa. All welcome on Wednesday 4th September 2019 at 7:30pm.

I must apologise for the slow delivery of the Club Project, due to some difficulty getting a "great match" at the input to the device, this is getting better, so there is light at the end of the tunnel. Please be patient.

I have spent limited time on the radio, but did snare CY9C on 2 metre EME, for another notch on my VHF DXCC.



It is great to see reports from Holger about the YOTA conference in Bulgaria to which we supported the travel of Xenia and Jadyn.

I hope you have an enjoyable month in Ham Radio, see you at the next meeting!

73 Dave ZL2MQ

YOTA at Bulgaria (Xenia ZL4YL and Jaidyn ZL4WW)"



  Youngsters On The Air

Gathered around the tech. bench

*International youngsters
talking about food, Xenia
ZL4YL with the mic.,
next to Jaidyn ZL4WW*



  Youngsters On The Air

Amateur radio bands and Propagation

Mike S Mather ZL2CC

The bands listed here are the most common DX bands used and are not a full listing of all DX bands.

Due to the location of New Zealand in the Southern Hemisphere and away from other crowded ham countries plus the ozone problem and sun spot cycle, the following propagation data is to be taken as a guide only. New Zealand experiences a lack of signals during the midday period on most bands, especially in mid summer.

160 metres

1.8 MHz - 1.95 MHz

LF (low frequency)

A band shared with navigation, although navigation is slowly being phased out. This is a local working band which can be noisy. Propagation is by ground wave and sky wave. Propagation - 100 km during the day to several hundred kilometres over night. Australia and America are probable with an average system and Europe possible with a good system, using greyline.

All modes allowed

80 metres

3.5 MHz - 3.9 MHz

HF (high frequency)

A good local band and used for ZL/VK nets on the weekends and at nights. Propagation is by ground wave and sky wave.

Propagation is several hundred kilometres during the day and several thousand kilometres at night. America is probable with an average system and Europe possible with a good system. Best times are during spring and autumn.

All modes allowed.

40 metres

7.0 MHz - 7.3 MHz

HF

Good local band and DX band. Used for ZL/VK nets on the weekends and at nights. Propagation by ground wave limited, sky wave propagation normal.

Propagation is several hundred kilometres day and several thousand kilometres at night. America and Europe probable with an average system. Best during spring and autumn evening/nights and early morning, however sunspot cycle does affect the propagation.

All modes allowed

30 metres

10.1 MHz - 10.150 MHz

HF commonly called a "WARC" band

An under used band mainly used for CW and data modes like FT8. Propagation is similar to 40 metres. Excellent world-wide DX contacts can be made just before sunrise into Europe, Africa and the Pacific. Around sunset the band opens to USA and Europe with good signals at times. It is possible to work DXCC on this band alone and most DXpeditions now make good use of this band

CW and data modes only allowed, except in Australia. Look for the upsurge in FT8 activity in recent months.

20 metres

14.0 MHz - 14.35 MHz

HF

The most consistent DX band. World-wide communications are possible at various times of day and night with average system and power. Whilst low power (QRP) can give good DX contacts most working is with 100 Watts or more. Band is affected by sunspot cycle

but normally remains open to somewhere. Propagation by ground wave limited to a few kilometres but sky wave propagation over 5000 km during day.
Dawn and dusk best times for DX but may close at night and usually closed over midday in New Zealand.
All modes allowed

17 metres

18.068 MHz - 18.168 MHz

HF commonly called a "WARC" band

An under used band, mainly CW working by the Americans although the last few years have seen a big increase in SSB working, becoming popular with DXpeditions. This band is under used and easy to work. The pile-ups are usually smaller.

Similar to 20 metres but even more affected by the sunspot cycle.

All modes allowed

15 metres

21.0 MHz - 21.45 MHz

HF

A good DX band when open but severely affected by sunspot cycle. Used by some as a "band opening" monitor as it is the first "DX" band above 14 MHz to show signs of an opening, heralding possible openings in the 10 and 6 metres DX bands.

One hundred watts can work the world when open. Propagation by ground wave limited to a few kilometres but sky wave propagation over 5000 km during day. Best in spring and late autumn.

All modes allowed

12 metres

24.89 MHz - 24.99 MHz

HF commonly called a "WARC" band

Again an under used band mainly CW working by the Americans. Becoming more popular. Watch this space!

Similar to 15 metres but even more affected by the sunspot cycle.

All modes allowed.

10 metres

28.0 MHz - 29.7 MHz

HF

An excellent DX band when open but severely affected by sunspot cycle. A few watts can work the world when open. Can open and close very quickly, sometimes within a few minutes. Easily used mobile for SSB and FM. Very little ground wave propagation, mainly sky wave. A few kilometres to several thousand kilometres possible with often a large gap of several hundred kilometres in the "skip zone" i.e. not workable. Usually closes at night but can remain open to a few hundred kilometres at night.

10 metres forms the break between HF and VHF, and is the first band where FM is not frowned upon.

All modes allowed.

6 metres

50.0 MHz - 54.0 MHz

VHF (very high frequency)

DX band, offering good DX when open. Very dependant upon the sunspot cycle, but when open can give world-wide contacts.

As a VHF band, it is often subject to sporadic E propagation and tunnelling, giving short-term DX openings. Normal low sunspot propagation is line of site up to several tens of kilometres.

All modes allowed

AVAILABLE FOR OFFERS

(for Br 13 club funds) (will be brought to the next Br 13 meeting on 28/8).

- two marine VHF aerials (f/glass, 3m long)
- one 6m long f/glass pole, currently a 155mhz collinear aerial. Could be made into a "Squid Pole".

(See David ZL2DW)

- a selection of electro cap's
- chassis and vernier drives
- etc

(See Bill ZL2UBG)

For sale: 2 x Baofeng handhelds, with speaker mics, spare antennae's, battery adaptor pack, charger and earphone/mic accessories. All in emergency wooden carry case. Offers. (About \$100.00).

Ric Coleman ZL2RIC Ph:021 2140624.



HOMEBREW COMPETITION

this will be held after the Branch 13/HBARC AGM on 27 November

Get your entries under way and completed to bring along(or photographs if it won't fit through the door).



Internet Links Roundup

David ZL2DW, Peter ZL2LF, Ross ZL2WWW ZL2AAA

A video for you to enjoy (sound up) relating to HF Field Day antennas etc

<https://www.youtube.com/watch?reload=9&v=Zio8Wb4LFPk>

If you want something to be envious about have a look at this 160m array

http://nidxa.org/memberWWW/k9dx_antennas.htm

or try this

<https://www.w8ji.com/transmitting%20antennas.htm>

"Want to know more about DMR ? Read this".

https://www.raqi.ca/~ve2rae/dmr/Amateur_Radio_Guide_to_DMR.pdf

Here is another one for a laugh!

<http://www.zerobeat.net/qrp/missingq.html>

Department of Defense Message Prompts Listeners to Take WWV/WWVH Survey

<http://www.arrl.org/news/department-of-defense-message-prompts-listeners-to-take-w>

Basically, if you'd like WWV / WWVH to stay on the air, let Uncle Sam know that people still use it...

<http://www.dodmars.org/home/wwv-survey>

New Import duties and fees calculator used to be \$400 now \$80

<https://www.trademe.co.nz/link.aspx?i=11092&id=2275364533&t=ca&s=3729480&c=>

BRANCH 13 GUEST SPEAKER (28 August)

Marcus HAYES-JONES grew up in the UK and joined the Royal Signals straight from school as a Signaller (Private) in 11 Signals Regiment in Catterick Garrison. Very quickly his troop commander identified him for commissioning and he left the army to pursue the requirements for attending Officer selection. During his time out of the Army, he served as a Special Constable with Gloucestershire Constabulary, his claim to fame being handcuffed to Fred West, the notorious murderer, as Fred was being moved from one location to another. He then rejoined the Army attending the Royal Military Academy Sandhurst (RMAS) where he decided to merge his love of Army and Policing by commissioning into the Royal Military Police (RMP). After his eight-year short service commission, he transferred to the Royal New Zealand Military Police (RNZMP) in Trentham. He finished his regular service as the Acting Commanding Officer of the Trentham Regional Support Battalion (TRSB).

His civilian employment started with the Napier City Council (NCC) as the Community Resilience and Communications manager, even he agrees, somewhat of a mouthful. This role quickly became the Civil Defence Manager, but then through another restructure they settled on the title Napier Emergency Management Officer (NEMO).

After much deliberation, the Hawke's Bay decided to work collaboratively and bring all the positions across the region under the umbrella of Hawke's Bay Regional Council. In this latest iteration of Civil Defence Emergency Management Marcus is now the Emergency Management Advisor (EMA) - Volunteer Management.

This role is also responsible for the maintenance of the VHF and Satellite communications network across the region.



Some pictures from our recent Branch 13 Donated Junk Auction



Auctioneer Peter ZL2HM in action, surrounded by helpers



the last chance for a rummage

some of the enthralled audience, poised to bid



Hamilton Market Day

31st August

**At Gordonton Hall
1024 Gordonton Rd (SH 1B)**

This is a new location this year

Icom will be present

Selling starts at 10 am

Venue opens 8 am

Free entry for Buyers

Table Space: \$20.00 per space pre-paid

\$25.00 per space on the day

Food and Refreshments Available on site.

Web site: http://www.zl1ux.org.nz/market_day.html

Email: harcmday@nzart.org.nz

Postal: PO Box 606, Waikato Mail Center, Hamilton 3240

Hamilton Amateur Radio Club (Inc.) Market Day Registration Form 2019

Please check or amend/complete and return this form with full payment to:
Market Day Registration
P0 Box 606,
Waikato Mail Centre,
Hamilton 3240.

NAME:	Vendor Number:
CALLSIGN:	
COMPANY NAME:	PHONE (AFTER HOURS):
PHONE (WORK):	FAX:
POSTAL ADDRESS:	PCODE:
CITY:	EMAIL:

PLEASE INDICATE BELOW THE TYPE OF BOOKING YOU WISH TO MAKE

QUANTITY metre(s) of table space at \$20.00 per metre.

NUMBER OF PEOPLE ATTENDING:

SPECIAL REQUIREMENTS

Please list below the names of people who will be attending with you on the day for Vendor Passes.

Note that mains power is not available for the tables.

Please tick one — of the boxes

- Please keep my details for future Market Days.
- I don't want my details stored for future Market Days.

CONDITIONS OF BOOKING

- The Hamilton Amateur Radio Club (Inc.) reserve the right of entry.
- Vendors may not be admitted into the hall until any outstanding moneys are paid in full.
- The Hamilton Amateur Radio Club (Inc.) accepts no responsibility for lost, damaged or stolen items.
- The Hamilton Amateur Radio Club (Inc.) accepts no responsibility for any items offered for sale, trade, promotion or give away.
- Security is the sole responsibility of the vendor at all times.
- The Hamilton Amateur Radio Club (Inc.) accepts no responsibility for any events, actions, injury or damage by vendors. Market Day Personnel or the public.

Please find enclosed my payment of \$.....
(Please make cheques payable to Hamilton Amateur Radio Club)

or

Pay by direct debit Westpac a/c No. 03 1555 0064133 01

Please use Vendor Number and/or name as reference No.

SIGNED:

DATE:

Hamilton Amateur Radio Club (Inc.)

PO Box 606,
Waikato Mail Centre,
Hamilton 3240.

Market Day 2019 Invitation and Registration

Dear Vendor,

25 June 2019

Once again our Market Day is fast approaching and we invite you to join us for this year's event.

The event will be held at the Gordonton Hall, 1024 Gordonton Rd, Hamilton on Saturday the 31st August 2019.

If you are booking as a company or club, please supply a contact name on the registration form. Table space is **\$20.00** per metre for prepaid bookings.

This increases to **\$25.00** per metre if you choose to pay on the day.

We have a limit of **two** people per metre of space booked. If more people are likely to attend please contact the organiser.

Please note no additional vendor passes will be given out on the day.

If you have a large number of vendors attending your table please attach a list of their names and callsigns, if applicable, to your registration form. If you would like us to keep your vendor passes for collection on the day please indicate on the registration form.

Boot, trailer sales and other special bookings will again be available please contact the organiser with details to negotiate costs. **They will however not be under cover**

Some wheeled trolleys etc will be available in order to unload your items prior to the sale. Remember it is your responsibility to remove your unsold items. A charge will be made for the disposal of any unsold items left in the hall after the sale. **Note that mains power is not available for the tables**

Please note that parking on the side of the highway (SH 1B) is not recommended as the highway is very busy. Please use the on-site parking.

For further information or any questions / queries please contact the organisers:

Brett Pascoe, ZL1FPG.

Jono Jonnassen, ZL1UPJ

Mobile: 021-274-2881

Mobile: 021-298-7780

Email: harcmday@nzart.org.nz

Mail: Market Day, PO Box 606, Hamilton, 3240

Web site: www.zl1ux.org.nz/market_day.html