

BREAKOUT

The Newsletter of the Hastings and Napier Amateur Radio Clubs

Hastings Branch 13 NZART - Napier Branch 25 NZART

Volume 22, Issue 1, January 2022



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



Peter ZL2HM (right) receives the Branch 13 Home Brew trophy from President Blue ZL3TT (a field dual band aerial kit)

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

<http://www.zl2as.org.nz/>

Emergency Call-in Frequencies: 3615khz and 670 repeater



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NAPIER BRANCH 25

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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

Napier Amateur Radio Club

Happy New Year to you all. I hope you all had a great Season with friends and Family.

Last Year I hoped that 2021 would be better than 2020, I guess I was dissappointed, however, I'm picking that the COVID-19 saga will thrown into the history books this year, and we can all get back to normal life (if we can remember what that is hi hi).

I have been short on time for radio in the last few months, but have been monitoring the 6M WSPR

Frequency (50.293) and the VK wspr pages on Facebook, and it seems at the time of writing that our miniscule ZL2GT beacon is leading the 'one way' distance record for the season in Australasia. There has been many openings on 6M and I have recorded quite a few contacts on FT8 (50.313).

The Branch 25 committee have already met this year and have decided to split up some jobs amongst themselves to try and rejuvenate the Club, we intend to mount a membership drive, improve the 'Shack' and aerial systems, think of new uses for the Clubrooms, come up with some ideas around social activities as well as possible club projects. Our new large scale monitor will be available shortly, so high definition sessions with presenters (or even a youtube presentation) will become the norm.

We will explain all this to members and guests at our next meeting which is at the clubrooms Latham Street on 2nd February 2022 at 7:30pm, All welcome.

That's all for now

73 Dave ZL2MQ

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 top table

Hello one and all and Happy New Year.

I wonder how many of you all got some new or used radio gear over Xmas/New Year? Not me, I got all mine before Xmas and spent some time on the bands working other stations from all over. The bands have been fairly good, nothing over the top but

there are stations out there to work. Long path has been the best but if you sit and listen it does not take long to work out where the best signals are from.

That brings me to the Island state of Tonga and what can we do to help them. Well, as there are NO radio hams there, we can't do much and with the way things are up there we couldn't do a lot anyway. There have been shortfalls because of this and some have made mentioned dropping radio gear in by air. What use is that if there is no known radio operators there, it would need some one with the knowledge to set the gear up including antennas. So it is best that we just let the powers that be do their stuff and hopefully they will get things working asap. The other thing is we would only be making it harder for them. With bad water and infrastructure anyone extra would just be in the way of the clean up. If the volcano goes off again your safety would also be at risk. It is better to sit back and wait for them to ask for help rather than do things without being asked first.

On a different note, Covid is still with us so the rules still apply. Don't forget to scan in. I am hoping that most of you have done the right thing and had your jabs and your booster shot as well if due. We do need to think about other folks as well not just ourselves. At our meetings it is your choice to wear a mask or not to but be up front with everyone and open. If you are not jabbed wear your mask and sit away from those that are at the meeting.

Well that's it for now so we look forward to see most of you on Wednesday night and don't forget your subs are due.

Blue ZL3TT
President Branch 13 HBARC



*Branch 13/HBARC, Hastings, office bearers,
David Walker ZL2DW (Secretary),
Blue Smith ZL3TT (President),
Peter ZL2HM (Treasurer).*

SELF SALE

(Branch 13, 26 January, Pakowhai Hall)

After the Branch 13 meeting, at 7-30pm on Wednesday 26 January, a "self sale" event will be held. If you have something of your own to sell bring it along and see if you can "do business" with a buyer. A chance for you to sell your own goodies if you wish to make a donation to Branch 13 then this is up to you.

Branch 13 will have some stuff there for sale for Club funds.

Later in the year we will be having the usual "Donated Junk Auction" of course but the above "self sale" is for goodies you wish to get money for.

If you have any questions re the "self sale" contact David (ZL2DW 0274 502501)



David ZL2DW (helped by Blue ZL3TT and Rob ZL2US) water blasting the Memorial Gates at the Pakowhai Memorial Hall. (Branch 13 contribution to the 'Memorial Hall' that Branch 13 uses as Club Rooms)

Notices

THE NEXT Branch 13 MEETING is on Wednesday 26 January, 7-30pm, Pakowhai Hall

If you are NOT VACCINATED please either

- don't come or

- have a quiet word with Blue ZL3TT about an "arrangement" (we all need to look after ourselves)

Mask use is optional. There is plenty of room to sit spaced apart. Thank you.

After the meeting there will be a "SELF SALE". Bring your own gear to sell off.

You can make a donation to Branch 13 if you wish.

There will be some junk/stuff there and proceeds will go to Branch 13.



Branch 13 SUB's DUE

Branch 13 sub's are due (\$20 single, \$30 double) and can be paid in cash to either Peter ZL2HM or David ZL2DW or online to Branch 13 account # 03 0642 0733310 00, use your call sign as the reference. Thank you.



TARAPONUI VISIT

Weather permitting there will be a visit to Taraponui (the 725 and 405 repeater site). This visit is available to NZART members only (for Insurance reasons).

The visit is scheduled for Sunday 30 January. Depart Hastings 9am. 4WD vehicles are required. If you need a seat or can offer one or would like to come along please contact David ZL2DW 0274 502501. The back up date is 13 February.



FOR SALE (offers)

HF Tri Band Beam Ant, TET HB33SP (USA made), with documentation.

[https://www.google.com/search?](https://www.google.com/search?q=TET+HB33SP&rlz=1C1GGRV_enNZ748NZ748&oq=TET+HB33SP&aqs=chrome..69i57.28366j0j15&sourceid=chrome&ie=UTF-8)

[q=TET+HB33SP&rlz=1C1GGRV_enNZ748NZ748&oq=TET+HB33SP&aqs=chrome..69i57.28366j0j15&sourceid=chrome&ie=UTF-8](https://www.google.com/search?q=TET+HB33SP&rlz=1C1GGRV_enNZ748NZ748&oq=TET+HB33SP&aqs=chrome..69i57.28366j0j15&sourceid=chrome&ie=UTF-8)

Offers to David (ZL2DW Hastings 0274 502501). Will need to be collected from DW's workshop.



Wanted to buy on behalf

Morse key, anything considered. Contact me by email or phone or txt

Mike ZL2WR

mike@murf.co.nz

0274089985

SOMETHING different for Break Out

(and not a piece of electronics or radio in sight) but as a consequence of discussions on the "670 Cornflakes Net". It's amazing the subjects that come up on the 'net.

Hi All, Copy for the Break Out. I made another one today. Lovely and moist and easy to make. I am sure some of the chaps would like to try and make it.
Cheers, Marilyn ZL2BOA

1 cup orange juice
250gms butter
1 Tbsp cider vinegar
1 kg mixed fruit
½ cup red glace cherries
½ cup green glace cherries (1 packet)
½ cup mixed citrus peel (1 packet)
2 tsp cinnamon
2tsp mixed spice
1 tsp ground cloves
1x400g can sweetened condensed milk
1 tsp baking soda
2 tsp vanilla essence
½ cup orange liqueur or brandy (I used brandy)
2 ½ cups self raising flour
1 cup nuts blanched almonds, walnuts or pecans (I didn't put in the nuts)

Preheat oven to 150°C Line a 9" 23cm square tin.

Place orange juice, butter, cider vinegar, mixed fruit, cherries, peel, in a large saucepan and bring to boil. Remove from heat and stir in spices, condensed milk, soda and vanilla. Add ½ (¼ cup) liqueur and the self raising flour. Mix well and add nuts

Turn mixture into the prepared tin and smooth the surface.

Bake 1 hour at 150°C turn oven down to 140°C and bake a further 1 - ½ hours until firm in the centre and a golden brown.

Remove from oven and pour over the other ¼ cup liqueur. Cool cake in the tin. This cake can be eaten straight away or frozen.



ARRL The National Association for Amateur Radio

NASA has recognized Amateur Radio on the International Space Station (ARISS) in its 2021 year-in-review! Special thanks to so many volunteers from ARRL , AMSAT, and our radio clubs who make it possible for student groups to contact the astronauts via ham radio.

<https://twitter.com/i/status/1476589898673143814>

<https://www.nasa.gov/.../best-space-station-science...>

For more information about ARISS, visit <http://www.arrl.org/amateur-radio-on-the-international...>

#ARRL #hamradio #InternationalSpaceStation #NASA #AMSAT

Goonhilly

Readers might be interested in these photos of the original antenna system at Goonhilly which most people associate with the first transatlantic television transmissions made in 1962. I visited this site in 2006 and for an extra donation was allowed to have a close look at the inner workings of the rotation system. The whole 1100 ton assembly is turned by a giant bicycle chain and is held in place by a disc brake. The centre bearing is shown in the second photo. The array is now pointed at a stationary satellite near the western horizon and the antenna only needs very small occasional corrections. The tour guide told me that he has only seen the array move by about ten centimeters on a couple of occasions.

https://www.youtube.com/watch?v=K_nnUbX7uuQ

There is a hidden story behind the construction which most of us think is about communication between the rest of the world. The other story can be seen in this short video clip:-

<https://www.youtube.com/watch?v=ClqO5Gr87dE&list=RDR4okhEekJlg&index=11>

Enjoy - Peter ZL2LF



Antenna



Brake and rotator chain



Centre bearing

Wanganui Vintage Radio Museum

- Life before Computers, the Internet and Social Media



River City Press Whanganui

Val and Graham Hawtree have their own vintage radio museum with over 500 radios on display. They date from the 1920s and include everything from beautiful furniture pieces to transistors. Those were the days when the family would gather around the radio to listen together to programmes such as 'Life with Dexter,' 'Portia Faces Life' and 'Aunt Daisy.'

Graham says, "I was involved with radios from an early age and both Val and I became licensed radio hams in the 1970s. We started collecting seriously only when the kids left home in the late 1980s. By the time I retired we had over 1,000 stored and stacked in a container." At that point Val asked him, "What the hell are we going to do with all these radios?"

Fortunately, Graham is a builder by trade and so Val suggested he build their own museum at the back of their property. So he did in 2020. It looked "way big enough" but when they started shifting the radios into it, the museum soon filled up with about 500 examples.

Graham had to face up to a "savage culling" selling or giving away at least 400. There are other radio museums in the country but Graham thinks their one "is in the top ten, possibly the top five in terms of numbers." Another collector came to visit and "he was blown away" by Graham and Val's collection.

The very early radios would not have been able to receive broadcasts in New Zealand until after 1921, as the first radio broadcast in New Zealand took place on 17 November 1921. The first radio station, Radio Dunedin, began broadcasting on 4 October 1922 and it was only in 1925 that the Radio Broadcasting Company began broadcasting throughout New Zealand.

"The early radios were mainly battery operated and it was a job for the kids to drop off the battery to the local garage to be charged and to collect it on their way home," Graham says.

“There was a big boom in radio sales in the late 1920s through to the mid-1930s, with another scramble in World War 2, when people wanted to hear the latest news.” During the Great Depression, (1929 to early 1930s), the New Zealand Government placed an embargo on built-up radios to protect the jobs of cabinetmakers.

“Only the chassis and speakers were imported with the cabinets built in New Zealand, including here in Whanganui.” The local company, ‘Radio Service Co’, produced the ‘Gordon’ radio but made only 38 of them. It was named a ‘Gordon’ because the owner, Brian McLean, had the Gordon tartan. There is one in the museum and Graham was able to buy it as the previous owner wanted it to return home to Whanganui.

The radios with their big consoles and beautiful inlay wood work, done mainly by hand, were genuine furniture pieces to admire. The three main styles were tombstone (square shaped), the larger console and Cathedral (curved tops). Val makes the comment, “I had to put up with Graham coming home and saying I bought you a tombstone.”

Graham first took an interest in radios when he was about 12 or 13, when he built his first crystal set. These had no power but operated instead through a crystal called ‘a Cat’s Whisker’ sufficient to pick up radio signals through head phones.

“Bakelite radios (a type of plastic) started creeping in to New Zealand by the late 1940s,” explains Graham. They led to a price reduction as there was not the same workmanship required. The Bell radio was the major brand. “They came in a variety of colours but red sets were reserved for the motel trade,” explains Graham. “This was done because the moteliere were sick and tired of their sets being stolen.”

“These red ones now command the highest prices with a genuine one going for \$15,000 recently,” says Graham. “Transistors came in in the mid 1950s and early 60s but many didn’t like them, complaining that they sounded tinny.”

Visits to the museum are by appointment only (check out www.vintageradiomuseum.co.nz), and include groups. Graham gives the example of one visitor telling him about his grandmothers beautiful radio. He said, “When she died I sold it and regretted it ever since.” Graham recognized that he had bought that radio at a sale and promptly gave it back to him. The man was in tears as it meant that much to him.

Graham and Val have recently received some old radio programmes such as ‘Life with Dexter’ and are organising a small AM transmitter to play through the radios. The museum also has a selection of old wind-up gramophones which they use to play old 78 records. The sound is clear and strong.

Visits are free. Contact Graham and Val on 027 453 7744. There is a koha box for donations which are appreciated.



CW Training sessions re-starting 31st January 2022.

Notice of CW training sessions.

Over the National System and also, later, on 80m on 3.755MHz, CW receiving sessions will be re-starting. Starting on the 31st January 2022, we will be sending CW at a character speed of 19WPM but with Farnsworth spacing... the text speed will be set at 6WPM. That allows larger gaps between each character. The Audio Frequency is set at 800 Hertz.

We will be using the Teach software written by Gary Bold, ZL1AN (SK), which has been modified for us by Andrew Mitchell, ZL1AF. This software is available from the NZART website. Search NZART CW and click on CW Learning Tools in the right hand column.

The sessions will be on Monday 7.15pm till 7.55pm, Tuesday, Thursday and Friday from 7.30pm till 8.15pm. There will be gaps for any urgent traffic, roughly, every 10 minutes or so. These sessions will also require you to do an amount of 'home study' as there may be some who could be quicker at picking it up than others.

We will start off learning the letters, numbers and some punctuation. The order will be

Q7ZG,098,O1,JP,WL,RA,MX,D6,BY,CK,N2,3F,U4,5V,HS,I.,,T,E?,/

Rob, ZL1RJS will start off on Mondays and Tuesdays, Peter, ZL1PJH will be on Thursdays and David, ZL1DK will be on Fridays. I'm looking for another operator to send on Monday or Tuesdays so if you are interested, email me at zl1dk@nzart.org.nz.

For those interested in joining us, there is a check-in at the start, then the text is sent once, repeated by voice and then sent again. That is followed by a full stop and then the next 5 lines of text are sent, and on and on we go. At the end of the sending, we will ask those who checked-in how they went... not to repeat what had been received but in very general terms how they did for that day's session... something like, 'I got around 40%' or '60%' or whatever, that's all. It could be that initially the receiving will start off very low but as the days roll on you will get better and better until you have worked up to receiving text at 15WPM at which stage, we pull out and it's up to you to continue if you wish. We are re-starting a bit earlier than last year so February at 6WPM, March at 7WPM, and so on and we will get to 15WPM by November. The text will be available for any wanting it for 'home study'.

You can contact me through the Papakura Radio Club Inc. or zl1dk@nzart.org.nz.

David Karrasch zl1dk.



Preparing for Laying Earth Wires

The Manual Mk1, xyl driven machine and the Electric Mk2 om driven machine. The owner/operators remain anonymous

