



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



A Yaesu FT-200 undergoes repair – refer inside

<http://www.zl2gt.nz/>
<http://www.zl2as.org.nz/>

Emergency Call-in Frequencies: 3615khz and 670 repeater



<https://arec.nz/join-arec/>

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NAPIER BRANCH 25

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Karl Matthys ZL1TJ 845 4372 email karlmatthys@ymail.com

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

As was my practice last year, I present here my annual report to the AGM of Branch 25. I have great pleasure in presenting my annual report to the Annual General Meeting for 2023. Undoubtedly the highlight of this year has been the further maintenance and improvements to the Clubrooms. After Gabriel had her way with the antenna pole, and the destruction of the WSPR antennas, it was decided to replace the HF antenna with a long wire / tuner arrangement for the IC7300, and replace the WSPR antennas with refurbished ones on the VHF pole (thanks to Mike ZL2VM for the aerial work), after establishing these antennas, thanks to the working bee attendees, Murphy decided to kill the PSU for the WSPR transmitters, which in turn killed the transmitters. Parts are slowly turning up to repair these. We still have a few things to tidy up around the Club rooms, and another working bee will be announced shortly.

This year I helped Warren ZL2AJ to mark the papers of the candidates that attended the Ham Cram weekend, This event was a great success with all 14 attendees gaining their Amateur Radio License, We welcome any and all of these new Hams to our meetings and activities. We still need to encourage other non attending Amateurs in our vicinity to rejoin our ranks in the Club.

Speaking of the Club, my thanks goes out to the many and varied presenters that have shared their skills and expertise at our monthly meetings. If you can do one of these turns, please let the committee know. I'd especially like to thank Errol ZL2IT for starting a homebrew / Makers group and introducing the attendees into the mysteries of PCB making and currently a DSB transceiver to be built by individuals. These nights continue and are held every 2nd and 4th Monday at 7:00pm, all welcome. Ideas like coax wound traps for multiband aerials and low impact antennas like loaded verticals are being considered to follow on from the DSB transceiver.

Finally I would like to thank our Secretary Bryce, Treasurers Stu and Shelley and all the committee for their work this year.

Thats all for now, the next meeting is our final for the year on wednesday 6th of December at 7:30 pm. This usually takes the form of a social event, and the Pan Pac trophy for best home brew project, if your project won't get through the door, photos will suffice. These HB projects don't necessarily have to be Ham related so bring what you have made. We will also be running the "quiz" that was missed in October, so bring a glass of your favourite plonk, I look forward to seeing you all there.

73 Dave ZL2MQ

HASTINGS BRANCH 13

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Club Call:	ZL2AS and ZL2QS		
Net Controllers (Sunday '670 repeater, 9am)	ZL3TT/ZL2DW		
Club Nights:	Fourth Wednesday each month (except December) at 7.30 pm Pakowhai Hall, Pakowhai Road		
Club Fees	\$20 per year payable to Branch 13 a/c # 03 0642 0733310 00 (use your call sign as a reference).		

From the Top Table

Hi one and all and welcome to the last newsletter of the year which means that this months Meeting is a general meeting followed by the AGM. I urge as many club members to attend as it is in your best interest and it is the time when you can have your say on how the club is performing or if you wish to see some changes, maybe put your name forward to serve on the top table. As always, if you sit back and don't put input into your club then don't expect anything back out of it, sitting on your hands does not help and if something is not right. The old saying is don't complain to others behind the backs of those that are doing a great job in keeping the club running and we as a club are doing quite well.

It seems that I stirred the pot last month with an article on FT8 and some locals that use FT8 were not happy about it. Don't get me wrong I am not against it, in fact I can see that digital modes are a good way to stay in contact, but I was trying to point out that these guys that to do an expedition also need to keep in mind that not everyone uses FT8 or other digital modes and they need to try and keep the HF guys happy as well.

We are still hoping to get back to the hall at Pakowhai but at this time it is still not fit for purpose until the work that is required at the hall is done and signed off. This could be some time next year. In the mean time we have moved from the Branch 25 Clubrooms to the orphans hall in Hastings. If you are not sure where this is there is Google maps or look else where in the news letter for directions. Parking is off Miller Street.

Well that's it till next year so I wish each and every one a Merry Xmas and a happy new year and just maybe some of you might get something nice for Xmas like a new radio or something in that line.

Blue ZL3TT, President Branch 13 HBARC



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

YAESU FT-200

At the building club in Napier last week, two Yaesu FT-200's were up for sale, one of our younger members said that "he would like one" and I offered to buy the other one .

The first one was taken into the radio room and tested and there was a loud roar of mains hum from the speaker and very little else. It was switched off in a hurry. The second one was taken in and that turned out to be in working condition as in the receiver was working .

There was no microphone or morse key to test the transmitter side. It was knock off time and I loaded the first one in my wagon to take home and the second one, strangely enough, was also put into my wagon as well with the comment that "I would know more about them than he would". Where people get this idea from I don't know.

So I ended taken them both home. At home the next day I plugged in the second one of course. "Started off with the easy one first".

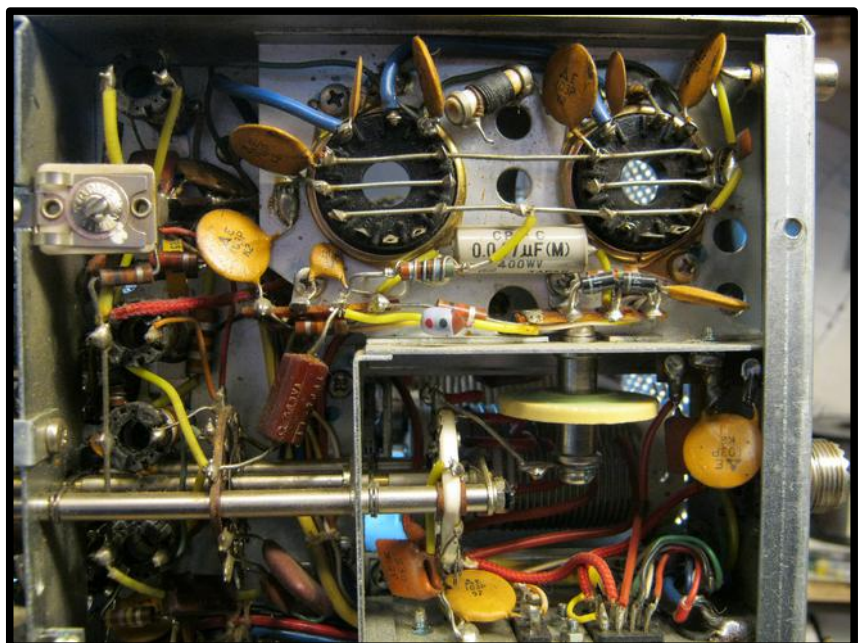
Switching it on and the s-meter went hard over, I'm thinking I know nothing about this particular model at all, never seen one before, but I did have a service manual. I waited a few moments for it to heat up and the meter started to come back down and a hiss came from the speaker, so first panic was over.

Hooked up to my magnetic loop aerial and set the band switch knob to 7 Mhz.

I had no idea how to tune in the VFO for the low end of the 40 meter band. Then the light bulb glowed a bit, Magnetic loop aerials are very sharply tuned. All I had to was wind the tuning knob around until I heard an increase in back ground noise. As I had left the aerial set for 7.095 Mhz , that would then set the radio at the low end of 40 meters. We listened around happily to the rag chew that is on at that time in the morning. By looking up the internet I found out that 40 meters and 20 meters use the red numbers on the dial and for rest use the black numbers.

Now that I have a known working power supply I plugged in the second radio and switch it on. We got the same roaring mains hum , played with all the knobs and nothing seemed to make it go away, there's no way to get any reception. After a few moments I then noticed that things were getting very, very hot and starting to smell a bit. Switching it off and decided this one needed a lot more looking at than just switching it on.

Take the case off for a look inside. There was no case screws holding the case on. This is never ever a good sign when the case has no screws. Turning it over on its side and having a good look under the chassis. First thing that drew my eye was the cathode inductance to earth on the power output valves was burnt black (see fig 1)



The two output valve bases are at the top centre, above them in the centre is the burnt cathode inductance. The dreaded C55 is the brown plastic looking oblong cap at the top edge of the small metal box under the output valve bases. The metal box is the shield for the aerial socket.

The 6JS6's (there are two running in parallel) had a large amount of current through them and the inductance had being un-soldered on one end and left floating, oh dear.

Checking out on the internet I found this a common fault for the FT200, the dreaded curse of C55 and what it does to the final output valves when it goes faulty. I looked up the price today of 6JS6 valves, its a good thing I'm sitting down on the chair as the price is about \$95US plus freight.

This is getting into some big money on my wallet ,but with further looking around on the internet there is a range of mods that can be done. The other thing that the internet says is that this fault can take the power supplies out as well .

I dismantled the second power supply the next day and looked inside, it doesn't appeared to be damaged. You can tell with the nose as transformers have a smell about them when they burn out.

The other thing with the second FT 200 had faulty is the ball bearing coupling on the main VFO tuning shaft ,the grease that was in it has boiled out and it did not drive at all. I may be able to pull apart and regrease. There's quite a few mods to replace burnt out final valves in this model, there's the old line output valves from black and white television days. You've got to be careful over tall ones because of the anode cap on the top gets too close to the metal screen on the finals box. But you could also put in a pair of 6146's or just only one and operate at low power. r you can leave the finals out altogether and you use the external drive output socket and run drive to some sort of FET linear.

I am going to do some mods on the going unit.

1. I'm going to replace the 9 volt regulator circuit with a IC 9 volt regulator as the existing circuit does tend to drift a bit until the set has warmed up. This is as simple as taking out the transistors and dropping in the 9 volt regulator.
2. Another mod is to put in an on off switch on the filaments of the output stage, which you do by replacing the mic gain potentiometer with one with a switch on the back. So when you turn the mic gain right down to zero you can switch the filaments off, this allows you to spend more time listening than talking, which a lot of people do. This will allow the output valves to live a lot longer.
3. I'm going to change that dreaded C55 with a three thousand volt one, the original was only a thousand volts. With 600 volts DC on one side plus the RF drive to the final grids the thing was all ways right on the edge of failing. This will save the finals from burn out in the future, and whatever life left with them.

With a lot of luck I should have one working set .

I will then work on the second one. If it I get it working there's a mod for changing the IF amp to get a bit more gain out of the IF stages for listening round, which is what I would do mostly do rather than talking. So I'm going to make an offer for this unit and we'll see if it is acceptable.

I'm off inside for a coffee and a bickie.

Eric ZL2TSU

Coax cable for sale

Never been outside, only ever in ducts

Huber-Schunner Heliax Type Sucofeed_1/2_07_27_A, 30 m

Andrews Heliax, Type LDF 4_50_A, 55m

A pair of connectors for heliax. I'm fairly sure they came off the ends of the LDF4_50_A

URM-67, 50 ohm 16 m

Andrews CMT-400 (New), 58 m. I'm pretty sure this is the same as LMR 400

By prior arrangement the cable can be collected from the workshop of David ZL2DW. Keith has said that a portion of the sales value may be donated to Branch 13.

Offers to Keith ZL2TAB 06 8743199 or Keith@transastra.nz

Keith ZL2TAB Hastings



Branch 13 CHANGE OF MEETING VENUE

The next meeting (and until further notice) for Branch 13 will be held at "The Orphans Hall", 700 Miller St, Hastings (on the corner of Miller St and Victoria St). Use the Miller St entrance. Use the middle door facing Miller St (it will have some orange cones by it).



THE NEXT Branch 13 MEETING/AGM

The next Branch 13/HBARC meeting will be on Wednesday 22 November 7-30pm

- Normal General Meeting
- Annual General Meeting (sub's will be due, not expected to change)
- Homebrew Competition (if you can't get your entry through the door photographs are acceptable).
- All welcome

David (ZL2DW)



NO December Branch 13 MEETING

There is no Branch 13 meeting in December. Our first one in 2024 will be on the 24th of January.



Old time Ham Radio portrayal.

(movie from 1939) (Sound up)

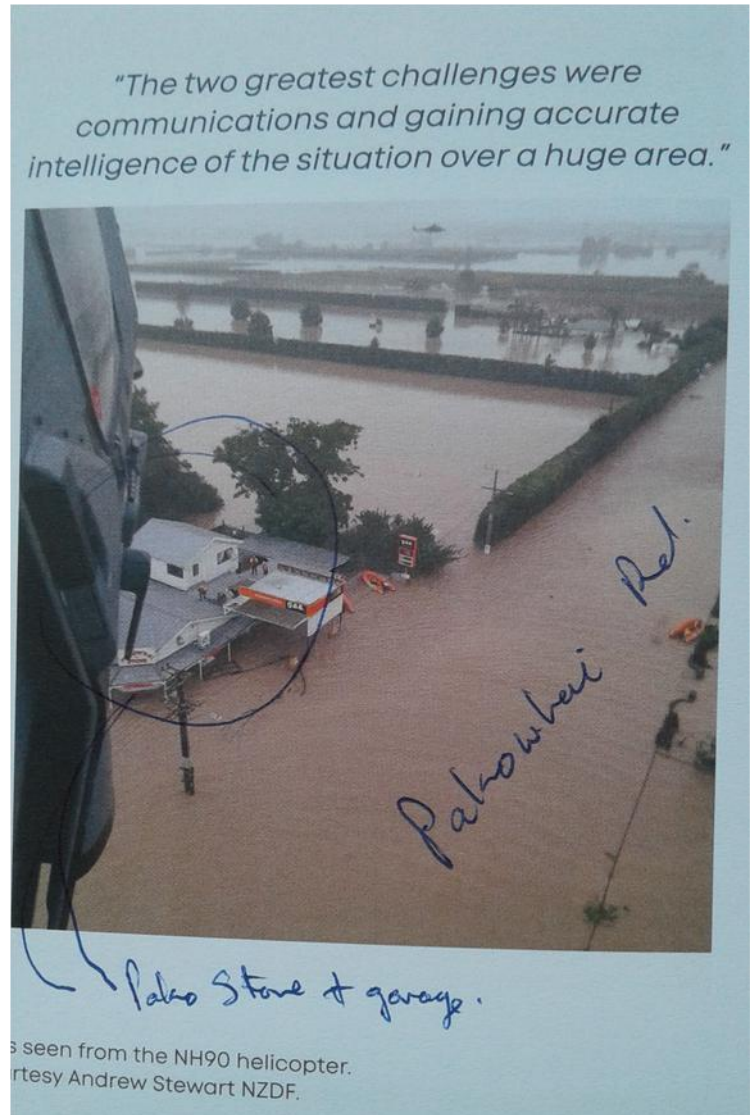
<https://www.youtube.com/watch?v=vSneGOI2Yo0&list=WL&index=9>

"Why Branch 13 had to vacate the Pakowhai Hall (after Cyclone Gabrielle)"

The picture taken on Cyclone Gabrielle day, 14 February 2023, shows the Pakowhai Store and Garage (across the road from the Pakowhai Hall). The Hall is just off to the right of the picture.

Also on the right of the picture is the footpath edge front fence for the Pakowhai Hall car park.

ZL2DW



For Sale

N type connectors. I have a selection available, check and see if I can help. \$5 each plus shipping.

ZL2HM 068577340



Ham Tutorials

Found this site, Youtube videos on Ham tutorials - seem to be for FCC advanced license - however a lot of interesting stuff.

www.HamCollege.TV

Fairly laid back presentation by a couple of Hams. There are 100+ presentations so there is a lot of evenings of watching (and learning !)

ZL2TAB

Taraponui Working Bee day November 2006.

New heliax cables being installed for '725 and '405 repeaters



Where did the word "Roger" come from ?

Surf through this for the answer. (ZL2DW)

<https://www.google.com/search?q=where+did+the+word+roger+come+from+in+radio>



A RADIO QUIET ZONE

wouldn't we all like one of these around our HF station.

https://www.google.com/search?q=radio+quiet+zone+australia&sca_esv=578329270&s

A short while ago I read about a similar site in America but due to a village existing nearby and poor rf policing, society got the better of it with the radiation from cellphones and computers etc, however the evolution was an interesting story. I can tell you where abouts to read about this USA site if you ask me.

David ZL2DW 0274 502501



FOR SALE (Offers)

the attached dual band aerial and duplexer. Offers to David ZL2DW. Proceeds to Branch 13.



8 November 2023

To All branch Secretaries and Clubs

In 26 months', time NZART will begin celebrating its founding 100 years ago.

The century celebrations will culminate in the 100th NZART Conference to be held in Auckland, the city where our association was founded a century ago. The conference programme is being developed by the combined Auckland branches.

In addition to the centenary conference a full year of commemorative activities are being planned for 2026. Council has established a governing committee to lead the planning and execution of all celebratory activities.

At this time the committee seeks your ideas on how you would like our centenary be celebrated. Attached is a list of possible activities. The committee would like your feedback on:

- Which of the possible activities you would like to happen to commemorate this
- milestone
- What other activities you would like to be considered
- Which of the activities that your members would consider participating in
- Which of the activities you or your branch would consider sponsoring or otherwise contributing to.

Please discuss the attached proposed activities with your fellow branch members and provide you feedback back to me by 31 December.

73

Daniel Vandenberg ZL2DRV

NZART President

Planned Centennial Activities throughout 2026

- 1st January kick-off activity day (Monday)
- Special Centennial website
- Centenary and Conference logos
- Merchandise for sale (polo shirts, posters, lapel badges/pins, cups, glasses)
- Centennial youth project
- Sponsorship by historic advertisers
- ZM prefix usage encouraged all year
- Pictorial history book (print run based on pre-orders)
- Break-In highlights reprint booklet
- Historic articles in Break-In
- Special ZM100 station
- Special official broadcasts with historic audio
- News releases covering Community service and the Importance of radio
- International award for contact with 100 ZMs (including ZM100 station)
- Special joining certificate during centennial year
- Special membership certificate during centennial year on request
- Honour roll of long-serving members
- Special QSL cards
- First Day Cover (NZ Post)
- International contest (100 hours)
- Presentations and demonstrations by branches

Planned 2026 Conference Activities

- Saturday evening with formal programme including speeches and toasts ▪
Panel of key individuals – the past and future of amateur radio?
 - Service review by Police, CDEM, SAR
 - Video/Zoom greetings from other societies
- Sunday evening– less formal, fun theme ▪ Actors re-enacting the first meeting
 - Presentation of our historical “highlights”
 - Special official broadcast with international input
- Unveil a ‘brass’ plaque at the location of first meeting (with media coverage)
- Photos and archives displays
- History highlights display
- Vintage and modern equipment displays
- Centenary station ZM100 at conference
- Centennial medals or plaques (awarded to individuals and branches)
- Mobile rally
- Bus tour of radio-related historic sites
- Fox hunt
- Homebrew competition