



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



*BYOTA mobile (not) arrangement
Story on Page 7*

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

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

Emergency Call-in Frequencies: 3615khz and 670 repeater



Inside This Issue

Hastings Branch 13 Report	Page 2
Napier Branch 25 Report	Page 3
Things we do/done during COVID	Page 4
The "Clacka"	Page 4
Notices	Page 6
Done during COVID	Page 7
A Note about/from Korin	Page 8
For Sale Notices	Page 9

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Club Call:	ZL2AS and ZL2QS		

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

Absent from meetings

Hi all and welcome to the start of winter with cold mornings and some sunny days. If the weather stays like it is at the moment we will be doing fine but of course you can't please every one and the farmers are the ones being hit hard at the moment. With all this good weather there no real rain to grow the grass for winter feed.

As we go along we are of course working though this virus thing and it is only time that will tell how we have done. It looks good at the moment but I have noticed that we are not as good as some dogs that know how to sit and stay. Some have to move around and some can't stay in there bubbles but I guess we are all so busy doing our own things and it is hard to stay home as it goes against our nature. We have been able to go where we like when we like.

Well enough of that, whats been going on around here not a lot been listening on the HF bands as well as DMR and made some contacts, mostly in the USA, but that"s better than nothing and at least I know my antennas are still working,

I was very surprised after I put my beam back up, after 4 years of it sitting on the ground out in all weathers, that it still works as good as it did the last time I used it in Taradale. Even though it is not up as high I'm still putting out a good signal with 5/9 or higher coming back as a signal report and I seem to be giving as good as I'm getting. The wire is working very good as well.

Did work a guy down on the Port Hills in Christchurch one week end on a Saturday for SOTA and he gave me a 5/9++ report and said I was one of the strongest he had heard all afternoon. Can you see my big head? Yea right but thanks to ZL3GIG Eion for that report.

Not a lot else to report as things are ticking along just the same even though we can't get together at the club rooms. That is all thanks to David ZL2DW and Peter ZL2HM for their great work. We are all just waiting for things to get back to some form of normal whatever that is. I guess we will just have to wait and see when the time comes.

Cheers all, stay safe and hopefully next month we will be able to have a get together and meeting. David ZL2DW is looking for numbers for our midwinter dinner and if you wish to go please let David know asap.

I wish you all a good time and a happy time if I don't get to work you on air.

Blue ZL3TT

President Branch 13 HBARC.



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

NAPIER BRANCH 25

President: Dave Crook ZL2MQ,
Secretary: Karl Matthys ZL1TJ
Treasurer: Peter Breen ZL2CD
AREC: Mike Bull ZL2VM

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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 Branch 25 NZART.

We're nearly FREE!

Our June meeting should be all on, if on, it will be 3rd June 7:30 at the Clubrooms. Bring a laptop, we are going to repeat the digital modes demonstration using WSJT-x and just using the audio equipment on the laptops as a transmission medium. If you want to participate, download and install WSJT-x, <https://physics.princeton.edu/pulsar/K1JT/wsjsx.html>, if you can set WSJT-x up with callsign etc on the settings page that will save some time on the night, we will go through the settings anyway. If this meeting is cancelled due to Covid 19, you will be advised.

At a previous meeting we voted to close the 50Mhz and 2metre beacons down and reinstall with WSPR transmitters, I have been working on this and hope to have it all completed and reinstalled by the next meeting.

I had a weak moment and decided to investigate loop antennae for HF, mainly because of their low noise claims, I had a 3 metre length of helical coax, so fashioned this into a loop and attached it to a broom handle, fitted the coupling loop and a tuning capacitor and gave it a go. The results were surprisingly good, noise was definitely lower than expected and sensitivity seemed OK. Because I only had narrow spaced capacitors for tuning I was loathe to try too much power, so started with 20 watts and managed to make several contacts on 20M (FT8) including a VK9. The downside to the loop is that it is VERY touchy to tune because of the high Q, but with a low rev motor this should be able to be overcome. I will probably build a more professional version if I can find some suitable capacitors, or I may invest in a vacuum capacitor. More on this later.

This week the Committee will meet and our aim is to revitalise the Branch after our Covid 19 hiatus, so if you have suggestions (and aren't on the committee), please make your ideas available to any member of the committee for discussion, every idea will be considered.

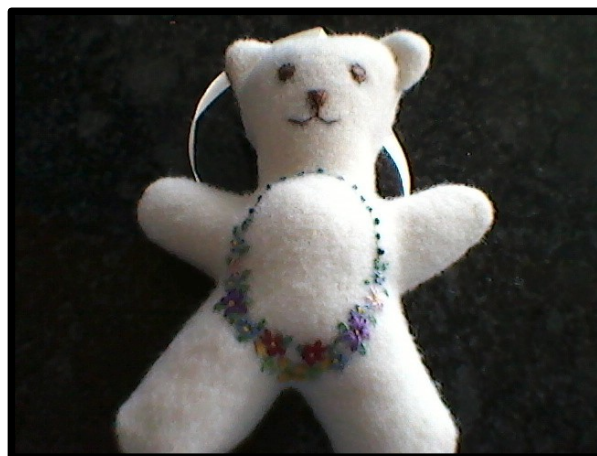
That's about all for this month, I look forward to being able to meet you all in person when we can meet again.

73 Dave ZL2MQ

THE THINGS WE DO/DID DURING LOCK DOWN.

I have attached a picture of a Teddy (they featured during the Lock Down time) as one of the things I achieved during lock down. I have had a lovely time catching up with all those "around tuits" that have been put aside for a rainy day. It has nothing to do with Ham Radio but it's what I did during the time and I'm sure some XYL's will relate.

The teddy is for my niece's baby, but other items featured were, dolls clothes and tee shirts for granddaughter number 2 (Chloe) and the embroidery (a biscornu pin cushion) for me.



It was good to run the cornflakes net over Easter instead of having a holiday. I felt we needed to keep in contact at that time. I must admit none of us have done anything too outrageous to date and we are all looking forward to being let off the leash come Thursday 14 May. However in saying that I have enjoyed the time when I haven't had to be at this place at this time, in fact I am quite happy staying put. We must get up and running again, just not so fast.

Regards, Marilyn Thorp, ZL2BOA



The "Clacka"

Thanks for the latest edition of "Breakout". Gee what a thrill I received this morning on opening the file to see a photograph of an old land-line sounder Morse receiver.

While I'd be challenged to read the "click/clack" (dots and dashes) that emitted from that apparatus today, it does bring back many happy and fond memories of a past era as it would be over 60 years ago since I was first trained to receive Morse using such a device.

My introduction to it started back in 1959 during my days as a Post Office telegram delivery boy working after school and during the school holidays delivering telegrams around the business houses and streets of Whakatane. How fortunate was I to have for my instructor/mentor, the late Frank Barlow (ZL2NB). Frank, as many long time hams will remember was a career telegraphist with the NZPO who a few years ago wrote a number of articles for Breakin on the history of the NZ Post Office's coastal station, Awarua Radio (ZLB) down in Invercargill.

(here's a link to Frank's narrative:

<http://maritimeradio.org/awarua-radio-zlb/1930-1939/frank-barlow-1939-1941/>).

Back in those days, the Whakatane Post Office telegram section had recently migrated to teleprinter operations and telegrams received in Whakatane from the Auckland CPO were printed on sticky thin tape which then passed over a damp felt that sat in a water trough. Once wet the tape message was then cut into lengths and stuck on the old yellow telegram form.

However a number of smaller outlying district post offices still used the sounder Morse for communication, such places as Opotiki, Taneatua, Edgecome and Matata, to name but a few. Frank was such a 'wizzo' with his Morse he could read the silently moving needle of galvanometer monitoring the landline current between those stations as it swung backwards and forwards to the movement of the dots and dashes.

Frank was 85 when he died on the 28th Jan 2005 in Wellington, had he lived on, he'd been a 100 last month. A few days later I attended his funeral where at the end of a very moving service one of his old teleg mates got up and when over to a Morse key that was connected to the land-line sounder and sent a final transmission to Frank to close down (become a 'silent-key').

A wonderful send off for a man who cared for us younger guys and took time to discuss the intricacies of electronics that led many us into a world of a new science and a career beyond all expectation.

David - thanks for the trip down memory lane!

73's

Paul London (ZL2BEF)

I'm sure those amongst us older hams will remember Frank Barlow with great affection.

The sight of such a historical instrument that was the genesis that launched my career into electronics and with the passage of time later developed into a hobby through which was responsible for my meeting so many wonderful people.

To continue - and briefly - the unit when used operationally was housed in a very small "sound-shell" like hood or box with an open end. This cover (from memory) was made from bending a very thin sheet of plywood which in turn was mounted on a pedestal about 18 inches high with the open end turned towards the operator to receive the incoming message.

73's

Paul London (ZL2BEF



Morse Sounder Video and Sounder Case

Click [here](#) for a video of the "clacker" in operation. Rogers' health is not good and he was in pain when doing this video for us. The sounder case, probably had an official name, was used in large offices with many circuits all going at once. Each Sounder was mounted inside a "cone" at the top which directed the sound and made it possible to tell which sounder was which when they were all running flat out together. Or so Roger tells me.

I wrote the text Roger is sending so people can try and read it. Roger says he built the board so he could practice sending and reading the Morse from the sounder at least 50 years ago, I think he's in his early 80's and is an ex Radio Inspector.

He is also proud of his Key collection.

Cheers

Chris ZL2CU



Sounder Case



The spelling of "clacker" might be "clacka" .

I think they called them that because that was the noise they made. Clack-- a rather than Clack--- er . Clack as they went down and A as they came up.

But officially they were called Sounders.

ZL2CU



Stan & Cliff have been working all day
on installing my clothesline, Mary.

NOTICES

Branch13/HBARC, Hastings MEETING CANCELLATION

Due to the Covid 19 virus and meeting restrictions there will be NO MEETING on 27 May of the Club. The Cornflakes Net continues at 7-30am on week day mornings on 670 and also the Br 13/25 combined net on Sunday mornings on 670 at 9am.

MID YEAR XMAS TEA (BRANCH 13/25)

Br 13/25 will hold their Mid Year Xmas Tea on 24 July, 6pm at the Napier RSA. Bookings to David ZL2DW (0274 502501 or email address).

FOR SALE (offers)

A FET VOM (with rf probe)

https://www.radiomuseum.org/r/trio_kenwo_vt_108.html

Offers (for Br 13 Club funds) to David (ZL2DW 0274 502501)

Internet Links

Australian Amateur Radio Society Guidebook – an introduction to Amateur Radio
<https://vkradioamateurs.org/welcome-to-ar-guidebook-for-newcomers/>

End of british wt service

<https://www.facebook.com/groups/707451009311335/permalink/3274277952628615/?sfnsn=mo&d=n&vh=i>

DONE DURING THE LOCKDOWN

I decided to have a go at portable operation for BYOTA

I put an HF aerial on the car antenna socket and connected it to my FT987D on the bonnet (connected to a Lithium Battery pack which when connection forces the radio to 20W)

On 14MHz I had noticed some weird stuff when I tried setting the matching and tuning taps using an MFJ analyser. I did manage to work a VK.

Later I connected the VNA to the antenna and got a bit of a surprise.

One of the photos shows a double SWR dip, or perhaps it is really a high swr "spike".

The antenna consists of a tapped coil connected to ground. The rf is applied to one of the taps to set the impedance match.

The top of this coil is connected to a vertical section with a wired crocodile clip at the top.

The top of the vertical section supports another longer tapped coil and a connection is made via the croc clip.

The top of the top coil is connected to a stainless whip.

If the croc clip is connected to the lower end of the coil the antenna resonates around 7MHz and if connected near the top it resonates around 14MHz. There is no connection to the lower end of the coil.

I suspected the double dip may have been caused by the unused lower part of the coil, so I inserted a linkable socket, a couple of turns below the 14MHz taps. That has cured the double dip and I get much better matching. 1:1.1 which is probably near enough.

Now the taps are too far apart to precisely tune the antenna. I can't adjust the antenna length, so I have tried adding a bit of capacity in the form of a clip lead on the whip to pull the frequency down to where I wanted it.

I think one or two short telescopic whips fitted horizontally at the coil top might be useful for fine tuning.

A most satisfying way to kill some Covid19 downtime.

BTW I would never drive with this installed.

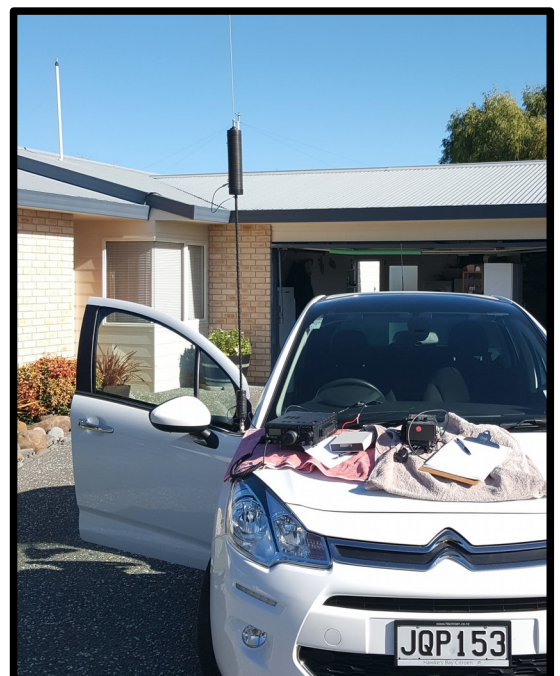
Cheers

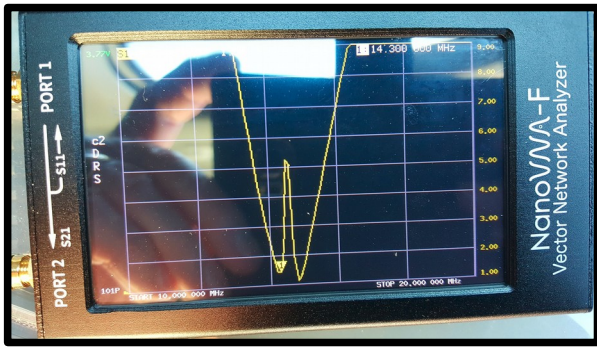
Keith Browning ZL2TPQ



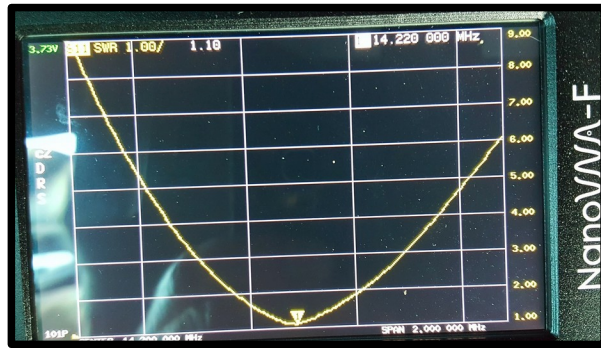
Mobile aerial coil

the BYOTA mobile (not) arrangement





The "before" double dip trace



The "after" single dip trace



A NOTE ABOUT/FROM KORIN 7L2PGJ (ZL2PGJ)

Recently Br 13 and 25 have been in email exchange with Korin (7L2PGL/ZL2PGJ) from Japan. Amongst the exchange he said that during the Virus lock down he has had a shack clean up (much to the delight of his xyl, hi hi). Korin and his XYL used to work at Watties in Hastings. Have a look at his QRZ page.

Dear OMs

This is ZL2PGJ/7L2PGJ Korin. Now, I'm happy to hear that you Kiwi people well manage the COVID-19 and freed from the national lock down. We Japan still under the physical business supression. I spend already 50 days of "work from home". Luckily, company offered new additional PC monitors for employees who work from home and it triggered "clean up" of my radio room. My XYL very happy to see that I did thrown away junks. I found some un-opened cardboard cartons and found my ZL license and a certificate of passed the examination that signed by 2AL Lee and 2LF Peter. I hope club member will have good autumn and winter season with fresh wines. Be aware even if the COVID-19 has gone from ZL the season of flu will come soon.

73&88 Korin



For Sale

Due to technology change at the ZM4T contest station we have the following items for sale:

Transceiver Elecraft K3/100 NZ\$: 2,200
K3/100 - 100 W transceiver kit
KAT3 - ATU kit
KBPF3 - general coverage RX module
KFLA3A-1.8k - 8 pole roofing filter 1.8 kHz
KFLA3A-2.8k - 8 pole filter 2.8 kHz
KFLA3A-250 - 8 pole filter 250 Hz
KFLA3A-400 - 8 pole filter 400 Hz (in main and sub receiver)
KFLA3A-500 - 5 pole filter 500 Hz
KRX3 - 2nd receiver modular kit
KXV3 - transverter interface
DVR - digital voice recorder

The K3 comes without a microphone. We used headsets like Heil. But we supply an adapter to 3.5 mm audio connector.

Remote control kit for K3 transceiver: NZ\$: 1,000
K3/0 - Mini Remote Panel
K3 Remote Rig Controllers & Cable Sets" (RRMINICBL, RRMTTCBL & RRIGSET).

Transceiver Icom IC7300 (new in box, unused) NZ\$: 1,300

HF Amplifier Tokyo HyPower HL-2K NZ\$: 900
160-10m, tubes 2 x 3-500
Tubes are used and output is around 500 W. With new tubes output is 1 kW.

holger@9h3m.com



For Sale

Icom IC-735 HF rig

Includes hand mic, SM-6 desk mic, Yaesu SP-4 filtered extension speaker Recently had the dial lamps replaced and a general check of operation

\$300

Contact me for more details

Link for more info <https://www.universal-radio.com/catalog/hamhf/735.html>

Kenwood TM-261A 2 M mobile rig

Includes mobile mounting bracket and printed bound manual Contact me for more details

\$150

Link for more info https://www.universal-radio.com/catalog/fm_txvrs/2164.html

Mike ZL2WR Ring or TXT 027-4089985



For Sale(offers)

A FET VOM (with rf probe)

https://www.radiomuseum.org/r/trio_kenwo_vt_108.html

Offers (for Br 13 Club funds) to David (ZL2DW 0274 502501)



Free to good home

5el 2m yagi ZL2AO 8767904