



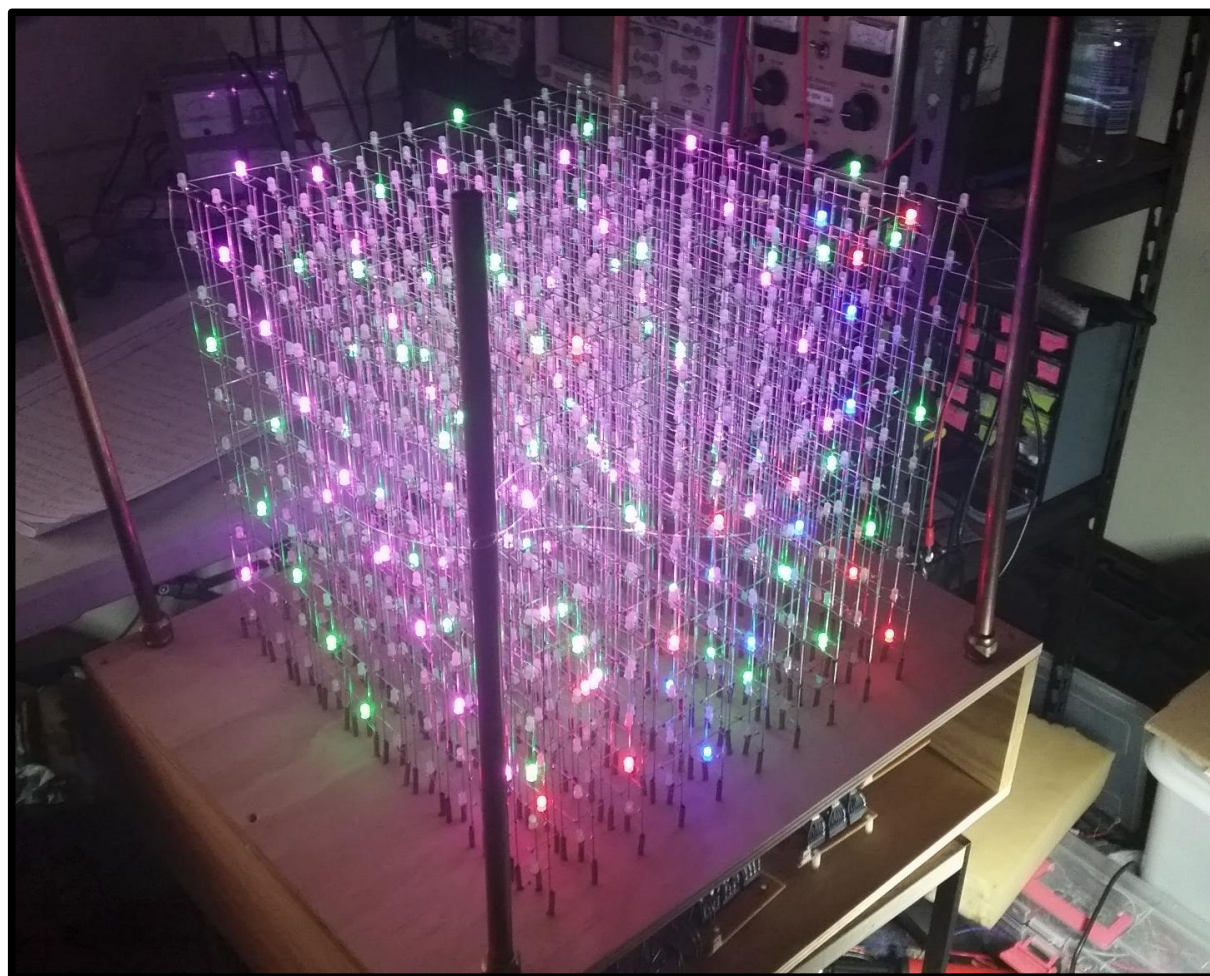
Hastings Br 13  
Club Calls  
**ZL2AS**  
**ZL2QS**

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



*Branch 13's guest speaker will talk about this cube*

<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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<b>Club Call:</b>	<b>ZL2AS and ZL2QS</b>		

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

## From the Boss (Branch 13)

Hello one and all guys and girls,

Well here we go again new year and lots of things to do at the club rooms and outside of the club rooms in the way of radio stuff.

One of the things we do need to look at is the surplus of antennas on the club walls inside and out. Do we really need some of these antennas up there? The wire antenna needs to come down and be fixed up and then maybe put back up where we can get at it without all the trees getting in the road

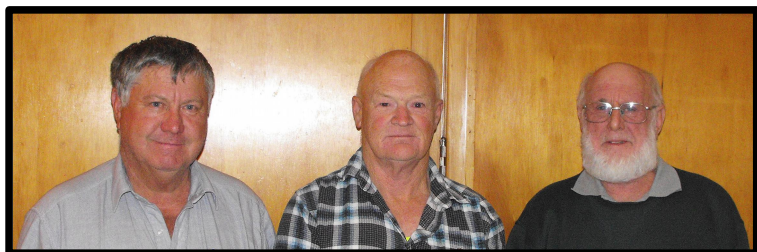
Is it worth having a club station set up in the back room and antennas outside as it seems to be a lot of trouble for the small amount of time that anyone can use them for.

Anyway as it is a new year subs are due again so hurry up and pay hihi, and may I remind you all to be a little nicer to Peter ZL2HM while he get his bum in the hot seat and gets to know the books. Don't hurry him to get your receipt for your very much welcomed \$20.00.

I'm going to start the year off with the same old rant at you guys. As with all good clubs you only get out of the club what you as club members put in so if there is no input you get nothing out. That results in a small amount of info in Break Out, we then get to the stage where it is not even worth our time, or John ZL2VAF's time, sorting things out so you at least get something to read each month.

Here's some thing to think about at the moment we have around 30 club members so lets say 33 divide that by 11 that makes 3 years of stories from each club member. You all have great stories to tell about your ham radio life so why not put it down in an email to us. Let us all know a bit more about yourself with a brief history and that way we all know more about you, or should we? Who knows what might come out of the closet and what lies you might tell but really I don't care as long as it makes for a good read.

*(Continued on Page 4)*



*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:**

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<b>Martin Akhurst ZL2MD</b>		

**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 like me you have enjoyed the Christmas / New Year break with friends and Family.

6M has been coming to the party, and QSO's across the Tasman occurring most days for a least a small period of time, for me, most of these have been using FT8, with the odd voice call thrown in, smaller openings to South America have also occurred on 6M , and although I have received CE, LU and a surprising TI5, I have been unable to complete any QSO's with my dipole / 100watt combination, 2M openings have been noticed, but none have made it to the East Coast, at least to my knowledge, however there have been a number of openings to the Far North. Roger ZL3RC has been playing with his 3cm (10Ghz) equipment and made a couple of transTasman contacts to VK on that band, probably some sort of record.

Branch 25 Committee will meet this week to work out the program for the coming year, hopefully with some highlights for all to enjoy.

I have been spending some time completing the remaining kits and have sold the last of the Dummy load version on trade me, Now I will complete and sell the remaining display power meter version on trade me and the face book buy and sell page, these are completed versions, so if the kit idea was holding you back here is an opportunity to pick up a completed meter, the current versions are SO239 (UHF) connectors and I will complete some N type to sell next week.

At the next meeting, on 5th February 7:30pm, Daniel Vandenberg ZL2DRV , President of the New Plymouth branch of NZART, and NZART councillor, will be in attendance, so if you have a query regarding NZART policy or other matters, please come and listen to what Daniel has to say, if there is time, Karl will talk on battery storage, solar charging and other like matters

That's all for this month.

73 de ZL2MQ Dave

(Continued from Page 2)

On my work bench I have two projects under way, one of which I have finished and passed on so it can be used by a ham around the corner and that was a 9 to1 balun. I still need to make one more to see if I can improve on the prototype with the second one. I am also looking at a Napier club project that was done some time ago but has only just come to me via Wallie ZL2MO. This is on my workbench now so I have plenty of things to do. They are now on the back burner till I get back from my first real trip overseas.

I have been over the sea a few times but never to a new country for me. I have been over Cook straight a few times and way back when a whole lot of us went to Chatham Island for a DX week or 2 but that was way back and we operated as ZL7AA - hell time flies.

Well its time to finish and get on with the day so I wish you all a good time and look forward to seeing some of you at the meeting and some at another time.

cheers Blue ZL3TT President Branch13 HBARC.

(see the pictures below )

*This is rather big coax or would you call it heliax*



## FOR SALE (for Club funds)

12v 9a/h sla batteries

<https://www.yhipower.com.au/product/6fm9y/>

\$5 each, contact David (ZL2DW 0274 502501)

(with advance notice I can bring them along to the 22 Jan. Br 13 meeting for you to collect)

## OFFERS

for a JRC JST-135 HF transceiver, with Operators Manual and Service Manual.

<https://www.google.com/search?sxsrf=ACYBGNRHTTwjOvuHz8kweWRjXJ187r0YNw%3A157>

Contact David ZL2DW 0274 502501

## "LED 3D Cube"

(Br 13 meeting guest speaker)

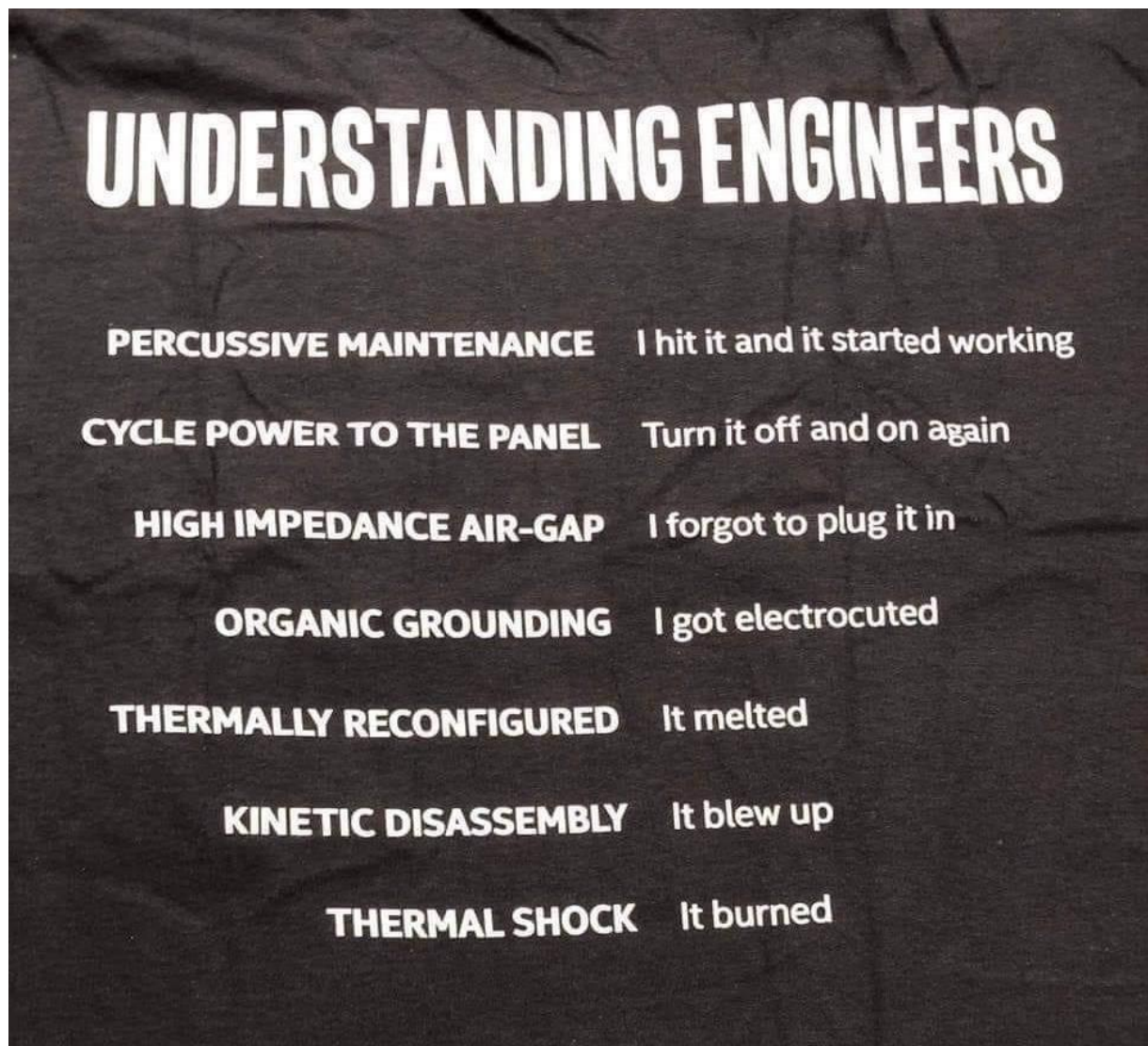
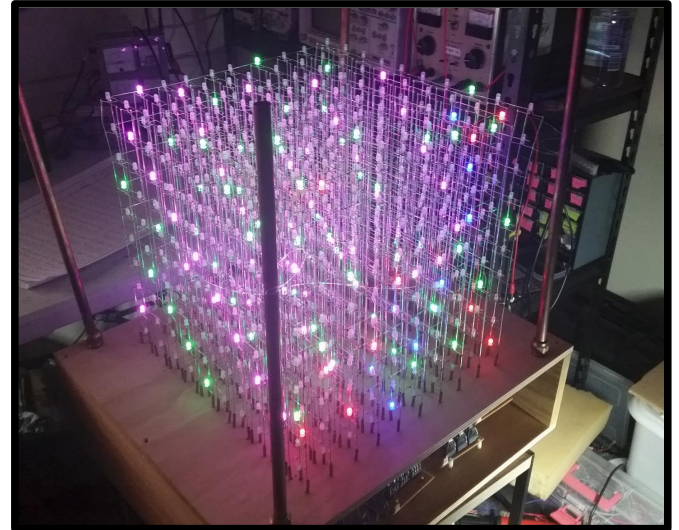
The project is a 10x10x10 RGB led cube. This is using 1000 leds to create a 3 dimensional display, approximately 40cm in each dimension.

I have built the cube up from scratch and all associated driver circuitry. (modified off an existing design). I have developed the code (Arduino Microcontroller) and a number of animations with it.

Talking points:

- How the cube is built / designed
- How the driver circuitry is built/designed
- The basics of how the code works.

Steven Simpson (ZL2SPF)



## GREAT SEA STORY

The passenger steamer SS Warrimoo was quietly knifing its way through the waters of the mid-Pacific on its way from Vancouver to Australia. The navigator had just finished working out a star fix and brought Captain John DS. Phillips, the result. The Warrimoo's position was LAT 0° 31' N and LONG 179 30' W. The date was 31 December 1899. "Know what this means?" First Mate Payton broke in, "We're only a few miles from the intersection of the Equator and the International Date Line". Captain Phillips was prankish enough to take full advantage of the opportunity for achieving the navigational freak of a lifetime.

He called his navigators to the bridge to check & double check the ship's position. He changed course slightly so as to bear directly on his mark. Then he adjusted the engine speed.

The calm weather & clear night worked in his favor. At mid-night the SS Warrimoo lay on the Equator at exactly the point where it crossed the International Date Line! The consequences of this bizarre position were many:

The forward part (bow) of the ship was in the Southern Hemisphere & in the middle of summer.

The rear (stern) was in the Northern Hemisphere & in the middle of winter.

The date in the aft part of the ship was 31 December 1899.

In the bow (forward) part it was 1 January 1900.

This ship was therefore not only in:

Two different days,

Two different months,

Two different years,

Two different seasons

But in two different centuries - all at the same time!

