



# GATEWAY

**The Official Magazine of the Gippsland Gate Radio & Electronics Club Inc.**

## ***April 2013 From The President***

By the time you read this Presidents report, I will be holidaying in China. I have asked Albert VK3BQO to act as chairman for both the April General meeting and the Annual general meeting. There will be no guest speaker for April, as there are two meetings to get through. As you all know, I will not be standing for the position of Club President, this year. I would like to encourage any of you that would like to take on the position as President, and let you know that both the Admin secretary and Treasurer will be there to help you with any issues relating to the running of the Club.

The committee has five positions to fill each year, President, Admin Secretary, Treasurer and two General committee positions. If you want to become involved with shaping the Club for the future, please consider putting your hand up for a position in the 2013-2014 committee.

We have made good progress this last year with several new members and call signs being added to the Club list. We may be proud to be regarded as one of the more active clubs in the country, with a friendly atmosphere and solid administration. The Club's website is one of the most comprehensive sites of its kind. We strive to involve technical, social activity with hands-on experience.



As outgoing President, I would like to thank you all, committee members and general members, for supporting me as I found my feet as Club president. I got off to a shaky start but with all of your encouragement I think that I got there in the end. I can now stand confidently in front of large groups of people, I have learned that it's okay to ask questions, [cont page 3](#)

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## ***Event Queue from March 2013***

April 19<sup>th</sup> – Friday Night. [General Meeting at the Guide Hall](#)  
including 2013 AGM From 2000hrs

May 3<sup>rd</sup> – Friday Night. [Prac Night - Peter Pavey Clubrooms](#)  
From 1930 hrs come along for a chinwag

May 11<sup>th</sup> – Saturday. [Morabbin Hamfest](#)  
Southern Community Centre - Rupert Drive, Mulgrave

May 17<sup>th</sup> – Friday Night. [General Meeting at the Guide Hall](#)  
From 2000hrs

June 7<sup>th</sup> – Friday Night. [Prac Night - Peter Pavey Clubrooms](#)  
From 1930 hrs come along for a chinwag

June 22<sup>nd</sup> – 23<sup>rd</sup> – Sat - Sun. [Winter VHF/UHF Field Days](#)  
Head for the hills and see how far you can work

June 21<sup>st</sup> – Friday Night. [General Meeting at the Guide Hall](#)  
From 2000hrs

because often I am not the only one that doesn't understand everything that goes on. I believe that I am a lot more self confident after two years as GGREC Club President.

Finally, on a lighter note, I will leave you with this joke. Two aerials meet on a roof. They fell in love and got married. The ceremony was rubbish - but the reception was brilliant.

Thank you.

*Dianne Jackson VK3JDI*

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## ***The origin of '73'***

The traditional expression "73" goes right back to the beginning of the land-line telegraph days. It is found in some of the earliest editions of the numerical codes, each with a different definition, but each with the same idea in mind it indicated that the end, or signature, was coming up. But there are no data to prove that any of these were used.

The first authentic use of 73 is in the publication *The National Telegraph Review and Operators' Guide*, first published in April 1857. At that time, 73 meant "My love to you!" Succeeding issues of this publication continued to use this definition of the term. Curiously enough, some of the other numerals then used have the same definition now that they had then, but within a short time, the use of 73 began to change.

In the National Telegraph Convention, the numeral was changed from the Valentine-type sentiment to a vague sign of fraternalism. Here, 73 was a greeting, a friendly "word" between operators and it was so used on all wires.

In 1859, the Western Union Company set up the standard "92 Code". A list of numerals from one to 92 was compiled to indicate a series of prepared phrases for use by the operators on the wires. Here, in the 92 Code, 73 changes from a fraternal sign to a very flowery "accept my compliments," which was in keeping with the florid language of that era.

Over the years from 1859 to 1900, the many manuals of

telegraphy show variations of this meaning. Dodge's The Telegraph Instructor shows it merely as "compliments." The Twentieth Century Manual of Railway and Commercial Telegraphy defines it two ways, one listing as "my compliments to you;" but in the glossary of abbreviations it is merely "compliments." Theodore A. Edison's Telegraphy Self-Taught shows a return to "accept my compliments." By 1908, however, a later edition of the Dodge Manual gives us today's definition of "best regards" with a backward look at the older meaning in another part of the work where it also lists it as "compliments."

"Best regards" has remained ever since as the "put-it-down-in-black-and-white" meaning of 73 but it has acquired overtones of much warmer meaning. Today, amateurs use it more in the manner that James Reid had intended that it be used, as a "friendly word between operators."

1	Wait a moment	27	Priority, very important
2	Important Business	28	Do you get my writing?
3	What time is it?	29	Private, deliver in sealed envelope
4	Where shall I go ahead?	30	No more (end)
5	Have you business for me?	31	Form 31 train order
6	I am ready	32	I understand that I am to ...
7	Are you ready?	33	Car report (Also, answer is paid for)
8	Close your key; circuit is busy	34	Message for all officers
9	Close your key for priorit business (Wire chief, dispatcher, etc)	35	You may use my signal to answer this
10	Keep this circuit closed	37	Diversion (Also, inform all interested)
12	Do you understand?	39	Important, with priority on thru wire (Also, sleep-car report)
13	I understand	44	Answer promptly by wire
14	What is the weather?	73	Best regards
15	For you and other to copy	88	Love and kisses
17	Lightning here	91	Super intendant's signal
18	What is the trouble?	92	Deliver promptly
19	Form 19 train order	93	Vice President and General Manager's signals
21	Stop for a meal	95	President's signal
22	Wire test	134	Who is at the key?
23	All copy		
24	Repeat this back		
25	Busy on another wire		
26	Put on ground wire		

# ***The Ham Car***

***and you thought you had seen an antenna farm***



***I found these photos on the net of a Colt for sale...  
Price of the car was US \$500 and the price for the  
included HAM radio gear US \$25000***

***Do you think this guy is a Batchelor ?***

***He is certainly a loner when on the road as there is no  
passenger spaces and the boot is full of tuners and  
batteries.***

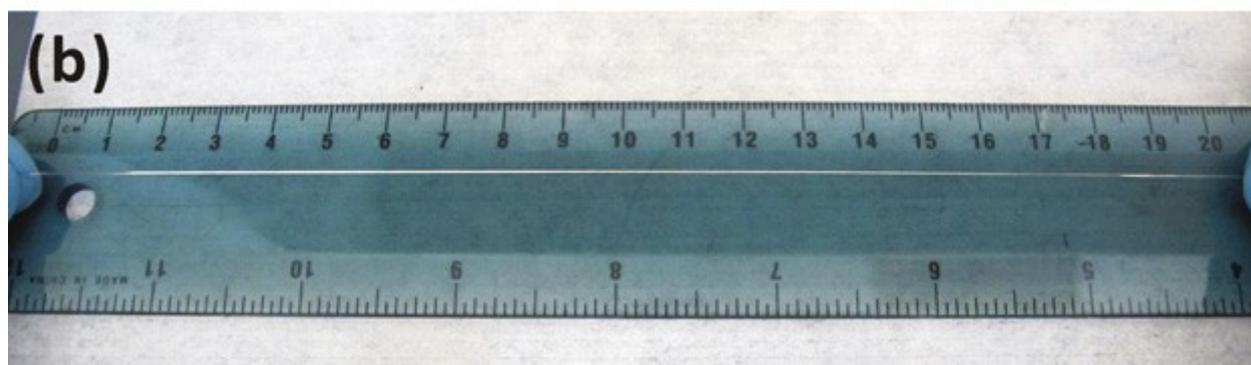
## ***Stretchable wires from liquid metal keeps your headphones humming***

More than a few of us have had that moment of panic when our headphone cords catch on an object and cuts the listening short -- sometimes permanently. Researchers at [North Carolina State University](#) could help mitigate those minor musical catastrophes with wiring that stretches up to eight times its normal length.

The method fills an elastic polymer tube with a liquid gallium and indium alloy that delivers the electricity. By keeping the materials separate, unlike many past attempts, the solution promises the best of both worlds: the conduction we need, and the tolerance for tugs that we want.

NC State already has an eye on stretchable headphone cords, as you'll see in the video after the break, but it also sees advantages for [electronic textiles](#) that could endure further abuse. As long as the team can eventually solve a problem with leakage when there's a complete break.

Below is a photo of a 2cm wire stretched to 20cm



article found on engadget

## ***Microwave Beacons working again***

Well, those who thought we were going to get wet backsides on the day at the Frankston water tower were mistaken. I must admit I was a bit apprehensive about the weather also. The day was Saturday the 13th April. Anyway we got away with it and although there is still a small amount of tidying up to do, the work was mostly completed and although I personally do not have any listening gear for either of the beacon frequencies, I was assured that they were both working by the time we left site.



Those who attended on the day were: Phil [VK3YB](#) , Michael [VK3GHM](#), Rob [VK3BRS](#), Paul [VK3TGX](#), Graeme [VK3XTA](#), Bruno [VK3BFT](#), Helmut [VK3DHI](#) and [VK3BQO](#). Of special note was Bruno who spent the whole day at the top of the water tower being blown around by the wind. He was joined mostly by Rob but at other times by all the others except myself who for some reason got away with keeping his feet on the ground.

A great thanks to all who attended on the day as it made the job enjoyable even if it was under threat of being blown away or drowned at any moment. Thanks to Rob who spent many hours "cleaning up" the 1.2Gig beacon in his workshop and to the Microwave Group for repairing the 2.4Gig transmitter.

The re installation has been a long time coming but with lots of other things on the go at this time, it was basically now or not for a while. I am now waiting to hear from those who can hear at those frequencies to see if our work has been justified.

A lighter moment at the end of the day occurred when we were all disappointed that come pack up time, both transmitters did not produce a signal. Turned out that we had not plugged one power supply into the mains socket and had not turned on the front panel switch on the power supply of the other. Oh well, didn't take too long to figure out. [VK3BQO](#)

## ***Virtual Online Tours***

*Now for a bit of fun, Wayne VK3ZWC sent me a link for a virtual tour of a museum in NZ. It has a collection of radios, so I thought I would post some links of a few virtual tours for you to have a look at*



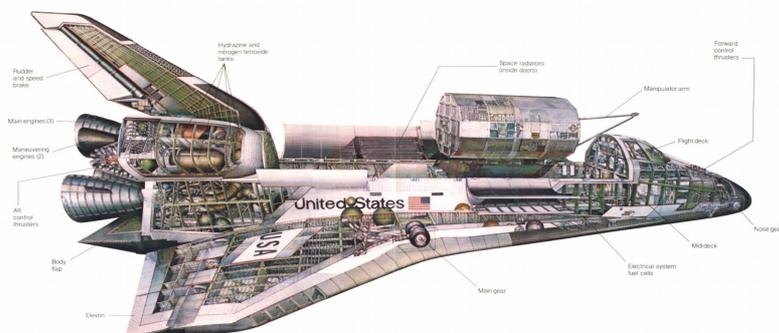
[www.vision360.co.nz/virtual-tour-portfolio/kapiti-coast-museum/](http://www.vision360.co.nz/virtual-tour-portfolio/kapiti-coast-museum/)

Housed in the old Post Office building, the Kapiti Coast Museum was founded in 1981 by a small group of radio enthusiasts. The museum now has a wonderful collection of clocks, phonographs, radios and domestic items from a bygone era.



[www.nmusafvirtualtour.com/full/tour-std.html](http://www.nmusafvirtualtour.com/full/tour-std.html)

Prepare to have a high-flying time at the world's largest and oldest military aviation museum in this virtual tour of The National Museum of the U.S. Air Force.



[360vr.com/2012/02/16/discovery-flight-deck\\_2193/](http://360vr.com/2012/02/16/discovery-flight-deck_2193/)

The Space shuttle Discovery flew the Hubble Space Telescope into orbit and is the first operational shuttle to be retired. These panoramas were taken at Kennedy Space Centre Cape Canaveral in Florida.

# ***Annual general meeting Minutes***

## ***April 20th 2012***

Date: 20th April 2012  
Start: 2100hrs  
Location: Guide hall Cranbourne  
Chairperson: Albert Hubbard VK3BQO  
Minutes Taken by: Bruno Tonizzo VK3BFT

Present: As per attendance sheet  
Visitors and guests: As per attendance sheet  
Apologies: As per Attendance sheet

Correspondence received: See April 2012 GM minutes

Correspondence Sent: See April 2012 GM Minutes

The old committee was thanked by Albert Hubbard VK3BQO and then released from their roles with Albert VK3BQO chairing the AGM

Treasurers Report: As tabled by Ian Jackson VK3BUF  
Income \$11,952.70 Expenditure \$11,606.43 Balance \$346.27  
Moved By Albert VK3BQO, Seconded Steve Harding VK3EGD,  
Passed Yes

New Callsigns: None

Previous Minutes AGM 2010-2011 read out by Bruno VK3BFT

Business Arising: None

Moved by Albert Hubbard VK3BQO, Seconded by Steve Harding VK3EGD, Passed Yes

## New Business:

No increase in club fees was recommended by the committee for the 2013-2013 financial year, Bruno Tonizzo noted this was made possible by the Bunnings BBQ profit

Albert Hubbard put forward a motion to allow Mark Clohesy **VK3FWSP** the opportunity to run as a general committee member as he had been a financial member for less the 12 months. The members voted unopposed and mark Clohesy was allowed to run for this position

## Committee Nominations for 2012-2013

**President:** Dianne Jackson

**Secretary:** Graeme Brown

**Treasurer:** Ian Jackson

**General Committee:** Michael Van Den Acker

**General Committee:** Mark Clohesy

As there was only one candidate per position Albert Hubbard **VK3BQO** moved to elect all nominees, this was seconded by Steve Harding **VK3EGD** and the nominees were elected unopposed

**Meeting Closed** 2130hrs

**Next Prac Night** 4th May 2012

**Next General Meeting** 18th may 2012

# General Meeting 15<sup>th</sup> March 2013

<b>Location:</b>	Guide Hall Cranbourne
<b>Start Time:</b>	Meeting commenced at 2002 hrs
<b>Chairperson:</b>	President Dianne VK3JDI
<b>Minutes taken:</b>	Graeme VK3BXG
<b>Present and Guests:</b>	As per attendance sheet.
<b>Apologies:</b>	As per attendance sheet
<b>New Callsigns:</b>	None

President Dianne VK3JDI, reported that this will be her last meeting for chairing as she will not be seeking re-election at the AGM.

## Correspondence in:

A.R Magazine, ACMA re 2 gig Change, ACMA confirming the transfer of VK3RWD , Energy Australia – power bill, Water bill \$3.00, WIA re public liability account, EMDRC news letter, Wansarc news e-mail link, Nerg news e-mail link, E-mail from John Ross – offering a discrete components donation , E-mail from Paul Davis – offering electronic equipment for sale or offer, E-mail from Graeme Lewis re Moorabbin Hamfest 11th May.

## Correspondence out:

ACMA re VK3RWD repeater transfer., WIA re clarification on 2 gig changes, E-mail to Ian Ross re donation to GGREC, E-mail to Paul Davis re offer of purchase of electronic equipment, E-mail to Clubs link re GGREC Hamfest, E-mail to Graeme Lewis re Moorabbin Hamfest.

## Treasurers Report:

Income total \$43.05, expenses total \$676.18 loss of \$633.13

Bendigo Investment account \$9221.31, Bendigo cheque account \$2831.74, quick books \$1930.16 difference being un-presented cheques.

Moved Ian, VK3BUF, seconded Leigh VK3FACB, all in favour, carried.

Previous general meeting minutes of 15th February, as per March Gateways, moved Dianne VK3JDI. All in favour.

## Business from the Previous Minutes:

Repeater report from Albert VK3BQO in that VK3RDD has had a bit more work with a coax cable repaired and a security cable has been earthed in order to reduce interference. VK3RWD has now been transferred to GGREC and Brian VK3BSN is now working on the antenna; suitable radios have now been purchased for the project and a site visit has been made. No meeting has been planned as yet – maybe in a month but a suitable box is yet to be acquired for the equipment.

**Hamfest** Wayne **VK3ZWC** reports that as of today, 5 exhibitors have paid, 12 have booked and 24 tables are still available. But Steve **VK3EGD** is going well with the bookings. Bruno **VK3BFT** reports the food permit is now done but only covers sausages. Other foods require other conditions which may become too problematic. Discussion arose as to if rissoles could be classified as skinless sausages? Nevertheless kitchen staff will still need to be coordinated. Door prizes are still needed; PK Loops have offered and Brian **VK3BSN** said he may be able to help.

**AGM** Dianne **VK3JDI** reports she and Ian **VK3BUF** will be away for the AGM. Dianne will be retiring as president but Ian will accept nominations to do another year as treasurer. Albert **VK3BQO** will chair the meeting. Two positions on the committee will be vacant. At the AGM a motion for a fee increase will need to be voted upon and fees will be taken in May.

### New Business:

**October field day** proposed by Ian **VK3BUF** be a two day event, camp overnight and set up an antenna system and make contacts. Lectures could be given – three people per day each day for about an hour each. It will be just a club event but may be open to guests by invitation only. Ian further suggested the bottom paddock at his and Dianne's place as it is relatively secluded.

**Offer of donation** of discrete components – free to a good home I, **VK3BXC** reported and in a second e-mail an offer of purchase of electronic equipment and test gear at a reasonable offer. Discussion arose and was unanimously decided that as a club it would be too awkward to administer so therefore if any individual was interested the contact details could and would be supplied.

**A coax deal** of LDF450, Rob **VK3BRS** reports, ideal for VHF/UHF was too good to pass up and if any member was interested then to contact him.

**Meeting concluded** 8:40 pm

**Next Meeting** and AGM 19th April 2013.

This evening's speaker, John Morrissey **VK3ZRX** speaking on Time Domain Reflectometry.





# Club Information

Meetings 2000 on third Friday of the month at the Cranbourne Guide Grant Street Cranbourne, Prac nights first Friday in the Peter Pavey Clubrooms Cranbourne 1930 Visitors are always welcome to attend

## Office bearers

President	Dianne Jackson	VK3JDI	Repeater Officer	Albert Hubbard	VK3BQO
Admin Sec	Graeme Brown	VK3BXG	Web Master	Stephen Harding	VK3EGD
Treasurer	Ian Jackson	VK3BUF	Magazine Editor	Mark Clohesy	VK3FWSP
General 1	Michael Van Den Acker	VK3GHM	Property Officer	Bruno Tonizzo	VK3BFT
General 2	Mark Clohesy	VK3FWSP	Secretary	Ian Jackson	VK3BUF

## Call in Frequencies, Beacons and Repeaters

- The Club Station [VK3BJA](#) operates from the Cranbourne Clubrooms.
- 6m Repeater Cockatoo [VK3RDD](#) : Freq. In [52.575 MHz](#), Out [53.575 MHz](#)  
The 6m Repeater requires CTCSS tone access of [91.5 Hz](#)
- 70cm Repeater Cranbourne [VK3RLP](#) In [434.475 MHz](#) Out [439.475 MHz](#)  
The 70cm Repeater requires CTCSS tone access of [123 Hz](#)  
The 70cm Repeater supports Remote Internet access (IRLP) Node [6794](#).
  - Simplex VHF - [145.450 MHz FM](#)
  - Simplex UHF - [438.850 MHz FM](#)
- [VK3RLP](#) Beacons [1296.532 MHz](#) & [2043.532 MHz](#)

## Membership Fee Schedule

Standard Member rate \$37.00 Junior Member rate \$22.00

Pension Member rate \$22.00 Extra Family Member \$17.00

- Fees can be paid by EFT to [BSB 633000](#) - Account [146016746](#).
  - Always identify your EFT payments.
- Membership Fee's Are Due at each April Annual General Meeting.

Magazine Articles to [editor@ggrec.org.au](mailto:editor@ggrec.org.au) or [pockets@twistedsouls.com](mailto:pockets@twistedsouls.com)

All other Club correspondence to: [secretary@ggrec.org.au](mailto:secretary@ggrec.org.au)

or via Snail Mail : PO Box 1098, Cranbourne 3977

GGREC Web Site & Archive may be viewed at: [www.ggrec.org.au](http://www.ggrec.org.au)

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