

BARG News



Official Newsletter of the Ballarat Amateur Radio Group Inc. # 6953T

ABN 44 247 200 143

VOLUME 33 ISSUE 7 July 2010



President:	Doug Raper	VK3VBA
Secretary:	Doug Ellery	VK3FDRE
Treasurer:	Peter Pollard	VK3FPOL

NEXT MEETING - FRIDAY July 30, 2010

At 7.30 pm

Contacting us

You can write to the club at the address below, or e-mail the secretary.

The Secretary : B.A.R.G. Inc.
 Box 1261
 Mail Centre
 Ballarat. Vic. 3354.



Or E-Mail: vk3bml@barg.org.au

BARG INC. LIFE MEMBERS

Gordon Cornell	VK3FGC
Norm D'Angri	VK3LBA
Harry Hekkema	VK3KGL
Kevin Hughes	VK3WN
Ian McDonald	VK3AXH
Phil Seddon	
Charlie Stewart	VK3DCS
Bob Terrill	VK3BNC



QST Report with Craig, VK3CMC

Content review of current QST in library

QST Review 2010-7 July.

Craig, VK3CMC



What to find in this months edition.

Does any one read these ??

- P4/5 Index this month.
- P9 Editorial. 60 Metres, Version 2.0 [This is the new 5Mhz allocation]
- P20 Upfront. Two rare keys donated to ARRL and also some timely warnings for fox hunters of the radio type.
- P33 The Portable Omni Box. Worth considering for portable, field days or just on the shack bench. Could be a construction group project.
- P 37 Classic Universal Sound card Interface.
- P40 Simple & Effective approach to Station Grounding.
- P41 Correction from Apr QST, Make 4:1 Coreless Balun. May QST, Fun with Tech licences. May, Build an Ampere-Hour meter. Jun, Hands on Radio.
- P42 Capacitors – Which One to Use. Well worth the read.
- P43 Review: Yaesu FTDX9000MP HF & 6M transceiver.
- P47 Review: Elecraft W2 HF/VHF/UHF Wattmeter. Kits/fully assembled
- P50 Tech Correspondence. Measuring RF Amps with a clamp and MFJ Analyser. Also has many Internet references for look ups.
- P52 The Doctor looks at PEAK/AV readings, Rhombic ant, automobile ATU, back up power and looks at drafting packages for circuit diagrams.
- P54 Shorttakes. Review Jetstream VHF/UHF Wattmeter.
- P55 Get on Air. Looks at antenna polarisation and graph interpretation.
- P57 Hands on Radio. Exp 90. Construction Techniques.
- P59 Hints & Kinks. Using Veroboard construction. Very simple conversion of 1/4Wave 2M whip to a dual 3/4Wave on 70cm. Very easy.
- P64 What was new at Dayton this year.
- P65 National Scouts Jamboree in the US
- P68 When should I operate? Looks at the D, E and F layers of Atmosphere.
- P76 Public Service Emergency communications.
- P79 This month in contesting.
- P90 Hows DX. EZ - Turkmenistan.
- P92 World above 50Mhz. Springtime openings
- P95 Vintage Radio. DITS to BITS. Early days in computing.
- P97 Eclectic Technology looks at Sundown for Hard Drives. Problems with moving parts. !!
- P103 75, 50 and 75 years ago in QST. [July 1935, 1960 and 1985.]
- P105 Hamspeak. Terminology used in articles of this months edition.
- P130-132 Listing of all ARRL Publications
- P156 Index to all advertisers.

Good reading this July.

Solutions for connecting you...

- Ballarat's fastest broadband¹
- Affordable Chatphone VoIP phone service
- Great value cable television



For commercial subscriptions call Heather James on 0427 007 893, For residential subscriptions call our Customer Service Centre on 1300 366 248.

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Phone: (03) 5336 1344

Fax: (03) 5336 1027

Damien Hennessy

Sales / Spares

Mobile: 0417 313 811

Email: damo_611@hotmail.com



Wanted to buy

Antenna 27mhz Station Master vertical

Contact Ernie VK3DET via email

erniet@vic.chariot.net.au

A wedding announcement.

Two antennas meet on a roof and fell in love. They decided to marry, the wedding was average but the reception was excellent

BA'S AUDIO WORKSHOP PTY. LTD. ABN 59 007 427 778
trading as

BALLARAT
UTO SOUND SPECIALIST

and
Radio Communications Systems Specialists
Supply and Service

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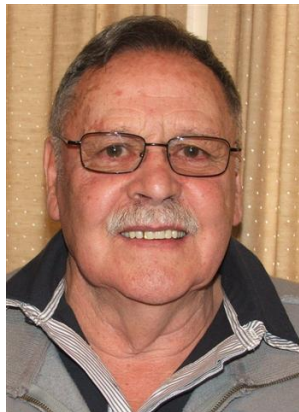
Web www.ballaratjoinerysupplies.com.au

FOR SALE

6m tilt over tower - \$ 120.00

Contact Doug, VK3VBA

Phone: 53323565 or Mobile: 0408323565



Doug, VK3VBA

Presidents Report

WELL AFTER A TWO YEAR TERM AS PRESIDENT ITS TIME TO STEP DOWN, ITS BEEN AN FULFILLING EXPERIENCE WITH A MIXTURE OF ACHIEVING AND FRUSTRATION BUT FROM MY PERCEPTIVE IT HAS BEEN REWARDING.

A LOT OF EXTRAORDINARY THINGS HAVE ARISEN IN MY TERM AS PRESIDENT BUT WITH THE ASSISTENCE OF COMMITTEE AND MEMBERS WE HAVE MOST PROBLEMS NOW IN ORDER.

ONE NEW INOVATION HAS BEEN THE COFFEE AND CHAT IN DAYLIGHT HOURS AT THE CLUB ROOMS THEY HAVE BEEN WELL PATRONISED AVERGING SIXTEEN MEMBERS AND SPOUSES, LIKEWISE OUR DINING NIGHT OUT GATHERINGS, ALSO THE CONSTRUCTION NIGHTS HAVE BEEN VERY SUCCESSFUL WITH MEMBERS UNDER EXCELLENT GUIDANCE I BELIEVE HAVE GOT A BETTER UNDERSTANDING INTO ELECTRONICS.

OUR AGM WILL SEE A NEW TEAM OF OFFICE BEARERS AND COMMITTEE AND I AM SURE BARG WILL BE IN GOOD HANDS WITH SOME NEW FACES AND NEW IDEAS BUT THE ASSISTANCE FROM ORDINARY MEMBERS CERTAINLY WILL BE CERTAINLY BE ENCOURAGED LETS MAKE IT A TEAM EFFORT.

WE SHOULD BY PROUD OF BEING PART OF THE WIA CENTENARY (100) YEARS, I WONDER HOW MANY OF OUR YOUNGER MEMBERS WILL BE AROUND FOR THE 125 YEARS.

I WOULD LIKE TO TAKE THIS OPPORTUNITY TO CONVEY MY SINCERE THANKS TO ALL MEMBERS FOR THEIR SUPPORT THAT I HAVE RECIEVED DURING MY TERM AS PRESIDENT, ITS HARD TO PLEASE ALL MEMBERS AND I APOLOGISE TO ANYONE WHO FEELS THAT I DONE SOMETHING THAT DOES NOT PLEASE THEM.

BUT IN CLOSING I HAVE DONE THINGS TO THE BEST OF MY ABILITY, I TRIED MY HARDEST AND I LEAVE THE POSITION KNOWING I WOULD NOT DO IT IN ANYWAY DIFFERENT.

**DOUG RAPER
VK3VBA**

It is with sadness that I report that from Tony VK3AAZ, that Bill Lyon VK3KBL, passed away today, Saturday, around 5pm after a duration of illness of aggressive cancer in the brain.

I have no other news yet, details of funeral arrangements are yet to be known.

WANSARC has lost a good friend, mentor, teacher and one of Melbourne's original ATV operators.

**Mick
VK3CH**



Cook's Safety Corner

Craig, vk3cmc

This is something I did not know.....!!!!



Microwaving Water

A 26-year old man decided to have a cup of coffee. He took a cup of water and put it in the microwave to heat it up (something that he had done numerous times before). I am not sure how long he set the timer for, but he wanted to bring the water to a boil. When the timer shut the oven off, he removed the cup from the oven. As he looked into the cup, he noted that the water was not boiling, but suddenly the water in the cup 'blew up' into his face. The cup remained intact until he threw it out of his hand, but all the water had flown out into his face due to the buildup of energy. His whole face is blistered and he has 1st and 2nd degree burns to his face which may leave scarring.

He also may have lost partial sight in his left eye. While at the hospital, the doctor who was attending to him stated that this is a fairly common occurrence and water (alone) should never be heated in a microwave oven. If water is heated in this manner, something should be placed in the cup to diffuse the energy such as a wooden stir stick, tea bag, etc..., (nothing metal).

General Electric's Response:

Thanks for contacting us, I will be happy to assist you. The e-mail that you received is correct. Microwaved water and other liquids do not always bubble when they reach the boiling point. They can actually get superheated and not bubble at all. The superheated liquid will bubble up out of the cup when it is moved or when something like a spoon or tea bag is put into it.

To prevent this from happening and causing injury, do not heat any liquid for more than two minutes per cup. After heating, let the cup stand in the microwave for thirty seconds! Before moving it or adding anything into it.

Here is what our local science teacher had to say on the matter: 'Thanks for the microwave warning. I have seen this happen before. It is caused by a phenomenon known as super heating. It can occur anytime water is heated and will particularly occur if the vessel that the water is heated in is new, or when heating a small amount of water (less than half a cup).

What happens is that the water heats faster than the vapor bubbles can form. If the cup is very new then it is unlikely to have small surface scratches inside it that provide a place for the bubbles to form. As the bubbles cannot form and release some of the heat has built up, the liquid does not boil, and the liquid continues to heat up well past its boiling point.

What then usually happens is that the liquid is bumped or jarred, which is just enough of a shock to cause the bubbles to rapidly form and expel the hot liquid. The rapid formation of bubbles is also why a carbonated beverage spews when opened after having been shaken.'

At its Meeting held on 14th July, BARG Committee resolved to recommend to the Annual General Meeting to be held on 30th July, that Subscriptions for the 2010 - 11 Financial Year be set at the same level as the previous year, viz, \$40.00 for Individual Members and \$50.00 for Family Members, with half rates for new Members joining after 1st January 2011.

As Subscriptions are due at the AGM, it would greatly help the Club's Cash Flow, if as many Members as possible could pay on the night of the Meeting.

I would like to remind you that payment may be made either by cheque or cash, and I'll make sure I have plenty of change on hand! Payment may also be made by Electronic Funds Transfer directly into the following Bank Account -

Account Name: Ballarat Amateur Radio Group
Bank: Commonwealth Bank of Australia
BSB: 063-502
Account Number: 0090 7175

If paying by EFT, will you please use either your Surname or Callsign as the reference, to ensure I am able to correctly receipt your payment.

Your cooperation will be greatly appreciated.

With kind regards and thanks,

Peter Pollard VK3FPOL
Honorary Treasurer



Doug, VK3FDRE

The Secretary's Page

Minutes of the BARG General Meeting – 25th June 2010

Doug VK3VBA opened the meeting at 1930.

Attendance

Doug VK3VBA, Doug VK3FDRE, Peter VK3FPOL and approximately 20 other members.

Apologies

VK3CAZ, VK3HHK, VK3FGC, VK3DET, VK3AXH, VK3HRZ, VK3GND, VK3FHUT.

Visitors

Norma XYL of Bill VK3PAL, Paul Engler VK3XDE

Minutes of the Previous

(May) general meeting had been distributed previously, they were passed as being correct.

Moved Clem VK3FBVI, John VK3AIG - carried.

Business Arising

Nil

Secretary's Report

Correspondence In:

ELGAS invoice for gas cylinders.

From WIA to Ian McDonald re: repeater licence.

QST and AR magazines.

Correspondence Out:

To Geoff Howard MLA re: equipment removal from Mt Buninyong site.

To WICEN re: same matter.

Moved Bob VK3BNC, Craig VK3CMC that all correspondence be confirmed – Carried.

The George Fowler Auction had gone very well, \$625.00 being raised compared with \$496.50 last year.

Moved Peter VK3FPOL, Seconded Bob VK3NBV – That the reports be received and the payment of accounts and direct debits as follows –

From 15th May 2010 to 15th June 2010 – Direct debits and Cheque nos. 138980 to 138989 totalling \$522.17 be confirmed. Carried.

Raffle

Bag of assorted goodies was won by Stuart VK3FSTU.

General Business

Clem VK3BVI reported that the bus trip to Cranbourne Hamfest was not viable without three more passengers, as there were no takers at the meeting, it was decided that the bus would not run.

It was moved by Clem VK3BVI, Seconded by Craig VK3CMC, that the Construction activity should be held during the daytime for the winter months, general consensus was that this should be trialled, second Monday of the month from 1100 – 1500 was decided on.

Dining night at the Greyhound Races had gone well, good food and not too expensive.

Steve VK3SE reported that there was an FM net on 29.200 MHz between 1900 and 1930 on Tuesday nights, and most other nights as well.

Paul Engler

Paul is amongst other things the State Radio Officer for WICEN. Paul gave some of the history of the review by Police of their radio sites, the reasons behind it, and the subsequent removal of some, but not all of the non-police equipment from some of those sites.

At the end of his talk we were left with the impression that there may ultimately be approval given to again locate the repeaters at Mt Buninyong, but that it was likely to take considerable time. Gordon VK3FGC was expecting to meet with the minister for Police, Emergency Services, and Corrections in the near future, and may learn more. As an interim measure we would be able to use the portable WICEN repeater at an alternative location.

At the conclusion of his presentation, Paul was thanked for his attendance and presented with the now traditional gift of a BARG mug.

There being no more business, meeting closed at 2100.

Next Meeting, and AGM - 1930, Friday 30th July 2010 .

Usual Disclaimer: While I have endeavoured to make these minutes an accurate record of the meeting, I may not necessarily have succeeded. If I have upset anyone by error or omission I apologise.

Doug Ellery

VK3FDRE

Secretary BARG

A famous Viking explorer returned home from a voyage and found his name missing from the town register. His wife insisted on complaining to the local civic official who apologized profusely saying, "I must have taken Leif off my census."

BALLARAT AMATEUR RADIO GROUP INC. (BARG)

REG. NO. A0006953T - ABN 44 247 200 143

NOTICE OF ANNUAL GENERAL MEETING

Notice is hereby given that the Annual General Meeting of Ballarat Amateur Radio Group Inc. (BARG) for the year ended 30th June 2010 will be held at the Clubrooms, Huts 31A and 31B, Ballarat Airport, on Friday, 30th July 2010, commencing at 19:30.

BUSINESS

1. Confirmation of the Minutes of the Annual General Meeting held on 31st July 2009.
2. Any matters arising from the Minutes.
3. Presentation of Financial Statements for the year ended 30th June 2010 and Statement of Financial Position as at 30th June 2010, together with the Auditor's Report thereon.
4. President's Report for the year ended 30th June 2010.
5. Election of Office Bearers for the year ending 30th June 2011, including President, Vice President, Secretary and Treasurer.

PLEASE NOTE: The incumbent President and the Treasurer are not available, and therefore DO NOT offer themselves, for reelection.

6. Election of six Ordinary Club Members to the Committee of Management.
7. Appointment of the Auditor for the year ending 30th June 2011.
8. Confirmation of Non Elected Positions for the year ending 30th June 2011, including Amenities Coordinator, Awards Coordinator, Computer System/IRLP Coordinator, Construction Group Coordinator, Education Officer, Hamvention Coordinator, Librarian, Net Coordinator, Newsletter Editor, Property Officer, Public Officer, Radio Modernisation Coordinator, Technical Officer, Email Maintenance Officer and Web Site Officer.
9. Setting of Membership Fees for the year ending 30th June 2011.
10. Any other business.

BY ORDER OF THE COMMITTEE OF MANAGEMENT

Doug Ellery VK3FDRE

Honorary Secretary

19th May 2010

Nominations of candidates for election as Officers of the Club or as Ordinary Members of the Committee of Management shall be made in writing, signed by two members of the Club and accompanied by the written consent of the candidate and delivered to the Honorary Secretary not less than seven (7) days before the date fixed for the holding of the Annual General Meeting.

Nomination forms are available on the Club's Web Site, and will also be available at the Monthly General Meetings to be held at the Clubrooms on Friday, 28th May and Friday, 25th June 2010 at 19:30.

B.A.R.G. Inc.

(Ballarat Amateur Radio Group Inc. #6953T)
ABN 44 247 200 143

ANNUAL SUBSCRIPTION & CLUB REGISTER CHECK

DATE:.....

RECEIPT No:.....

NAME:.....

CALL SIGN:.....

ADDRESS:.....

PHONE HOME:.....

SUBURB:.....

MOBILE PHONE:.....

POSTCODE:.....

PHONE WORK:.....

SUBSCRIPTION PAID:..\$.....

E-MAIL:.....

If the Club decides to publish a Club Directory, are you willing to have the above information included?

Y or N

SIGNATURE:.....

B.A.R.G. Inc.

(Ballarat Amateur Radio Group Inc. #6953T)
ABN 44 247 200 143

ANNUAL SUBSCRIPTION & CLUB REGISTER CHECK

DATE:.....

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SUBSCRIPTION PAID:..\$.....

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SIGNATURE:.....