

BARG News



Official Newsletter of the Ballarat Amateur Radio Group Inc. # 6953T
ABN 44 247 200 143

VOLUME 33 ISSUE 6 June 2010



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

NEXT MEETING - FRIDAY June 25, 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

CLUB INFORMATION

REPEATERS and BEACON

D—STAR

CALLSIGN:	MODE:	FREQUENCY:	TX OFFSET:	USER SETTINGS
VK3RBA A	Digital Data	1298.700 MHz	Nil (half duplex)	URCALL: VK3RBA RPT1: VK3RBA A RPT2: not in use
VK3RBA B	Digital Voice	439.9875 MHz	-5.0 MHz	URCALL: CQCQCQ RPT1: VK3RBA B RPT2: not in use

VK3RBA (UHF)	(70 cm Voice Repeater (Uses CTCSS of 91.5 Hz to access))	439.275 MHz	Mt Buninyong
VK3RBA (VHF)	(2 m Voice Repeater)	146.750 MHz	Mt Buninyong
VK3RWA*	(2 m Voice Repeater) (Uses CTCSS of 91.5 Hz to access)	147.100 MHz	Mt Ben Nevis
VK3RPC	(2 m Packet Repeater)	144.750 MHz	Mt Warrenheip
VK3RBU	(70 cm Voice Repeater)	438.475 MHz	Mt Hollowback
VK3RMB	(70 cm Beacon)	432.535 MHz	Mt Buninyong
VK3RBU-1	(2 m APRS Repeater)	145.175 MHz	Mt Hollowback

* IRLP Node 6310 using VK3RWA

CLUB e-mail vk3bml@barg.org.au.

CLUB NET VK3BML 3.608+/- QRM Thursday Nights at 8 pm E.S.T (Summer & Winter)

WIA Broadcast Sunday 11.00 am via VK3RWA (IRLP Node 6310)

NEWS ITEMS Send to Harry VK3KGL

Or mail to Box 1261 Mail Centre BALLARAT 3354 or e-mail membermember.member.vk3kgl@barg.org.au

Broadcast Times and Dates on VK3RWA Repeater

Every Sunday at 11.00 am, WIA National News.

Every Monday night at 9.30 pm, ARRL News

Every Tuesday night at 9.30 pm, WIA National News Repeat



QST Report with Craig, VK3CMC

Content review of current QST in library

QST Review 2010-5 May



What to find in this months edition.

Does anyone really read these listings?

- P4/5 Index.
- P24 Correspondence page.
- P30 Homebrew challenge. See the five entries for a 5 to 50W HF linear.
- P32 Circularly Polarised Yagi antennas for Satellite Communications.
- P36 Homebrew a window feed through.
- P38 Is it a Diplexer or a Duplexer? And why should we care.
- P40 Six band , 20 thru to 6Metre, Log Periodic Dipole Array. {LPDA}
- P44 Build an Ampere-Hour Meter for Portable operations
- P46 I can hear him, Why can't he here me?. Reciprocity.
- P47 Review: Yaesu FT-1900 2 Metre FM Transceiver.
- P49 Popular Dual-Lever Keyer Paddles. Part 1.
- P52 A Look at Noise cancelling Headphones.
- P54 Tech Correspondence: Seems to be on lambic Key comments and NOAA Satellite DnLnk antennas. Compare 30M Indoor ant against an outdoor version.
- P57 The Doctor is In: Near Vertical Incident Skywave antennas, lambic keyers, Binary Phase Shift Keying & Freq Shift Keying. Using TNC with radios.
- P59 Short Takes> Radio Remote control 1258Mk2.
- P60 Getting on the Air. Have fun with your Technician Licence.
- P62 Hands on Radio Exp #88. ELSIE Filter design Pt2.
- P64 Hints & Kinks. Car mounting radios, Recalibrate wattmeters, Easy way use Wallwarts on multy power boards, Protecting spare battery pacs from shorting.
- P68 DXPedition to VY0A. IOTA on Fox Island.
- P71 Happenings: The FCC focuses on Amateur Radio. Allowing non amateur devices access to 430-448Mhz with some limitations.
- P75 Emergency Communications. What do you Have in your Grab & Go box of equipment?
- P86 Hows DX. Looks at bands and who has been heard this month.
- P88 World above 50Mhz. Contests, band reports and Operating Procedures are all discussed.
- P91 Eclectic Technology. Looks at Deep space Monitoring.
- P92 Vintage Radio looks at Lafayette Superhet 9 valve radio from 1935. And its companion transmitter.
- P97 The Index of QST Magazines for May 1935, May 1960 and May 1985.
- P99 HAMSPEAK. A brief description of terms and names used in this months magazine
- P.162 Hamads.
- P164 Index of Advertisers.

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.

Terms and Conditions

Standard Neighbourhood Cable Terms and Conditions apply.¹ Speeds vary depending on a number of circumstances including network traffic, customer hardware, equipment and operating systems, download site traffic, download site bandwidth and size of file being downloaded.

HEWITT & WHITTY Pty. Ltd.

Outdoor Power Equipment

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& Wiltshire Lane
Ballarat VIC 3350

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Fax: (03) 5336 1027

Damien Hennessy

Sales / Spares

Mobile: 0417 313 811

Email: damo_611@hotmail.com



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Alteration to "Dining Night" this month..

Our night will change to a Wednesday night this month and also a week later.

Dining Night Wednesday 23rd June at 6.30pm.

Location, Greyhound Racing Track, off Rubicon Street Redan. (hamvention Location).

Good Food, Cheap Drinks.

"The Dishlickers" will be running that night, we are to receive free entry at the ticket box.

Please say you are from the radio club for free entry..

Please book with me by Tuesday next week.

73's all,

Bob Pitcher VK3NBV. 53360998 pitch@ncable.net.au

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Anything FOR SALE or WANTED???

Why not send it to the Editor to be included in the next Newsletter.

Send to: Newsletter, BOX 1261, Mail Centre, Ballarat, 3354.

or

member.vk3kgl@barg.org.au

Next DEADLINE for articles is the 24th of July!!!



Doug, VK3FDRE

The Secretary's Page

Minutes of the BARG General Meeting – 28th May 2010

Doug VK3VBA opened the meeting at 1935.

Attendance

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

Apologies

VK3CAZ, VK3HHK, VK3HRZ, VK3GND, VK3AXH, VK3FIVE, VK3AIG.

Minutes of the Previous

(April) general meeting had been distributed previously, they were passed as being correct, with one minor correction, George Fowler Auction was Sunday, not Saturday.
Moved Warren VK3FWJW, Bob VK3BNC - carried.

Secretary's Report

Correspondence In:

Neighborhood Cable notification of payment.

AR and 2QST magazines.

Letter of thanks from Damascus College.

Letter from Rick Taylor regarding his inability to attend the club recently, and wondering if the club had considered insuring our equipment since undertaking the modernisation project.

Notice of renewal of term deposit from Bendigo Bank

Correspondence Out:

Nil

Moved Craig VK3NBV, Clem VK3VBI that all correspondence be accepted – Carried.

Raffle

Raffle was drawn, prize of scratchie ticket, first aid kit and sundries was won by Ian VK3CIS.

Other Reports

Gordon VK3FGC

Damascus visits had gone well, students were well behaved and appeared interested. VK3VBA, VK3CAZ, VK3CMC, VK3CFH had all assisted.

Ian VK3IDL

VK3AIG is on the air on 2.4GHz, congratulations John.

General Business

President - Doug VK3VBA Suggested that the Club might have a dining night at the Greyhound Club, on a night when the Dogs were running, this could be a bit of good P.R, as well as being a good night out. Everyone agreed with this suggestion.

Bob VK3BNC Gave a presentation on the operation and setup of the remote base radio, Bob can set up any new users who want to operate remotely as long as they have a suitable internet connection.

Craig VK3CMC Raised the issue of VK3RBA repeaters having been off the air for more than six months, other reasonably local repeaters are also off the air or unreliable meaning that many operators have no access to 2 metres, 70cm or 23cm.

This stimulated a lot of discussion on this issue -

Gordon VK3FGC spoke about a fairly damning report that the Ombudsman had prepared regarding the tendering and contracting of IT within the Victoria Police, this report was partly responsible for the removal of non-police equipment from Police sites.

Bob VK3BNC suggested that we might be better off looking at an alternative site for the equipment, even if approval was gained to reinstall at Mt Buninyong, if it meant that we would have to pay for our own electricity etc. this would not be an unmanageable expense. Bob had a copy of an email that Ian VK3AXH had sent to Geoff Howard MLA asking him to see if he could help in getting the repeaters returned to operation.

Craig VK3CMC moved, and Ian VK3IDL seconded, "that BARG should write to Geoff Howard endorsing Ian's request, and asking for a response in time to report to the June meeting" The motion was passed almost unanimously.

Craig also moved, and it was seconded by Bob VK3NBV "that BARG should write to WICEN seeking assurance that our repeater equipment is safely and securely stored, and is in a fit state for recommissioning as soon as approval is granted for its re-installation", this motion too was passed with almost no dissent.

Clem VK3VBI suggested that now the workshop was better equipped, and more usable that we might consider buying a metal folder for the use of members wanting to make their own chassis, or boxes for projects, the club had considered this previously but thought that the cost would be too high for the limited use it might get. It was moved by Clem, and seconded by Doug VK3FDRE that we could at least research the price and availability of a small folder suitable for our purpose.

Gordon bought up the fact that the workshop is a bit short of tools, and moved that we should spend up to \$100 on small tools as required, this motion was seconded by Warren VK3FWJW.

There being nothing more to discuss, meeting closed at 2125. Next meeting 26th June 1930.

A Proposal for an alternative BARG Voice Repeater to serve the Ballarat region.

With no immediate prospects of resolution of the ongoing debarkle of BARG's Voice Repeater at Mt Buninyong an alternative appears to be to walk away from that scene and establish a new repeater with total autonomy for BARG in terms of access, control and outright ownership.

Possible sites.

Hollow Back. This is the site of the APRS installation and also VK3RBU. This site is controlled by AR Vic and room for expansion is very limited and also providing limited coverage of our intended area.

Green Hill. By far a better coverage can be expected from this site with some shading towards parts of Melbourne and Geelong with extensive coverage in all other directions.

The property is owned by Mr Doug Ellery and a small section is leased by a Ballarat firm "Sectrol" with limited communication services from their radio facility on the site. Doug is agreeable to BARG using this facility in conjunction with Sectrol.

Requirements for a repeater site to meet BARG's needs.

Access to site. A made road is available and added security provided by locked access to which BARG would have available 24/7.

Tower. A proposed three section (1800mm X 3) rugged galvanized steel tower and a 50mm extension pole to a height of approximately 2.4m height pivoted for tilt over handling and mounted on appropriate concrete footings. This is a self supporting construction as no guys are permitted on the site.

Power. Power would be supplied by Sectrol and BARG would pay for its own equipment consumption.

Building. Access to Sectrol's building for the housing of the proposed repeater is agreed on a 24/7 basis. BARG would need to provide a suitable rack or cabinet.

BARG's Officers would be responsible for security of the site on maintenance visits etc. BARG would contribute to "handyman" type maintenance of the overall site.

Other requirements for the establishment of the repeater:

Application for a license to operate a repeater on the Green Hill site to the WIA with ACMA Forms RO57 and RO77 for registration which will then be forwarded to the Repeater Co-ordinating Committee.

Mr Ian McDonald, VK3AXH, be listed as the nominee.

Some formal agreement document covering insurance issues on the site.

Some formal agreement document covering any sub leasing issues with Sectrol.

Repeater estimated setup costs for Green Hill.

Tower Concrete costs.	\$208.00.
Steel, welding and sundry costs.	\$200.00.
Coax and fittings.	\$150.00
Vertical Antenna.	\$150.00
Equipment Cabinet.	\$ 50.00
License Fee.	

Repeater equipment. Depending on what equipment is recovered from the old installation that will dictate what equipment will be required.

I believe that we should formally request all BARG's equipment removed from the Mt Buninyong site to be returned.

Equipment recovered from the old Ben Nevis site is available but looking to the long term it will represent an upgrade at some stage in the near future. This includes a transceiver and control equipment. Depending on the new frequency the antenna may not be suitable.

Thanks to the following for their assistance and ongoing support to this proposal;
Jeff VK3PAP, Ian VK3AXH , Doug VK3FDRE and Roger VK3ADE.

Bob Terrill, VK3BNC
16/6/2010

Motion 1:

I move that Barg recover all the equipment belonging to BARG from the former Mt Bunninyong site.

Motion 2; I move that BARG establish a new voice repeater installation on the property of VK3FDRE, Green Hill, in conjunction with the Sectrol company Ballarat.

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

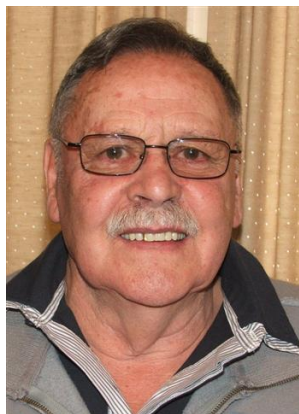
Doug Ellery VK3FDRE

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.



Doug, VK3VBA

Presidents Report

Great weather winter like we had in 2005 when it was cold and wet I guess it gives us time to spend in the shack and have a clean up or do those jobs we have promised ourselves to do in the past few months.

Don't forget our AGM, all positions are vacant and for our group to prosper it is imperative that they be filled, sorry for repeating myself but as I have said in the past have a go new blood is good blood to employ new ideas.

It's great to see some new programs working e.g. the morning tea group at the club rooms with good numbers participating, also good attendance at our construction nights and dining night out group.

A different dining out night was held this month instead of a Friday night it was held on a Wednesday night at the Greyhound Track, who backed the winners and losers?

We have filled the gas bottles so it will be nice and warm at our next general meeting on the 26th of this month.

People on the sick list I myself and all members are thinking of you this is evident by the number of members asking for reports how you are all going, we all wish you a speedy recovery.

That's all from me at this time see you at the next meeting.

Doug vk3vba

DECEASED ITEMS FOR SALE

- 1 ONLY 4 AMP POWER SUPPLY \$ 25-00
- 1 MICROPHONE STAND \$ 5- 00
- FM SOUND SYSTEM \$ 20-00
- 1 ONLY IMARK SWR METER \$ 15-00
- 1 ONLY UNIDEN UHF (CB) RADIO \$ 45-00
- 1 KENWOOD 530S HF RADIO EXCELLENT CONDITION

See Doug, vk3vba