

# BARG News

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

VOLUME 29

ISSUE 9

September 2006

President: Bob Pitcher VK3NBV  
Secretary: Ian McDonald VK3AXH  
Treasurer: Gordon Cornell VK3FGC

**NEXT MEETING: FRIDAY 29 SEPTEMBER, 2006  
At 7:30PM**

### Contacting us

You can write to the club at the address below:

The Secretary  
BARG Inc.  
PO Box 1261  
Ballarat Mail Centre  
Victoria 3354

Or E-mail: [vk3bml@barg.org.au](mailto:vk3bml@barg.org.au)

<b>BARG Inc Life Members</b>	
Kevin Hughes	VK3WN
Ian McDonald	VK3AXH
Charlie Stewart	VK3DCS
Bob Terrill	VK3BNC
Jim Wright	VK3CFB
Phil Seddon	Ex VK3AQM
Stan Widgery (SK)	VK3SE
Norm D'Angri	VK3LBA

## CLUB INFORMATION:

Repeaters and Beacons			
Callsign	Mode	Frequency	Location
VK3RBA	Voice	146.750 MHz	Mt Buninyong
VK3RWA	Voice	147.100 MHz	Mt Ben Nevis
VK3RPC	Packet	144.750 MHz	Mt Warrenheip
VK3RBU	Voice	438.475 MHz	Mt Hollowback
VK3RBU-1	APRS	144.900 MHz	Mt Hollowback
VK3RMB	Beacon	435.535 MHz	Mt Buninyong

General Information	
Item:	Details:
IRLP	Node 6310 via VK3RWA
Club Net	Club Callsign: VK3BML Frequency: 3.610MHz +/- QRM When: Thursday nights at 8:00pm EST
News Items	Send to Harry VK3KGL c/- the PO Box; or E-mail to <a href="mailto:vk3kgl@barg.org.au">vk3kgl@barg.org.au</a>

News Broadcast Times via the VK3RWA Repeater		
Day	Time	News Broadcast
Sunday	10:30 AM	WIA National News
Monday	9:30 PM	ARRL News
Tuesday	9:30 PM	WIA National News
Wednesday	9:30 PM	Spectrum Tasmania News

### Editor's Comments:

I'm not too sure how I got suckered into producing the September newsletter by our re-elected Newsletter Editor Harry, **VK3KGL**, who is currently on his annual pilgrimage up north. I don't recall volunteering and I know that I would have acted accordingly if someone said "Take 1 step backwards if you don't want to edit the September newsletter.", but never mind... The layout this month will be subtly different as I'm having to put this together from scratch. In accepting this honorary position for **one** month I will only say this once:

**COME HOME HARRY, I MISS YOU!!!**

Congratulations to the incoming Committee and appointees and the membership is looking forward to your direction and leadership over the coming 12 months.

We have a bumper packed edition this month, so get a cup of your favourite brew, a couple of shortbread creams and enjoy reading.

Yours in amateur radio,

David, VK3UR

## President's Report:

Who's that? Bob Pitcher **VK3NBV**. Who's he?

Right, I was born at Coleraine in South Western Victorian in the early 40's. I was an only child living on a farm. I eventually entered the bus industry in the Coleraine Hamilton area for 20 odd years. Since then I have worked for other operators in the Hamilton, Geelong and Ballarat areas.

I would probably still be doing that profession if the eye disease Macular Degeneration hadn't caught up with me.

I have a partner Gail, and we have 5 children between us, all adults, living elsewhere. I became interested in radio about 25 years ago while living at Tarrington (near Hamilton). I became interested through 2 Uncles, **VK3AUK** and **VK3DSW** Bob and Stan, both Silent Keys, and Cousin Bruce **VK3BMK**. I have tried to upgrade a couple of times without success, so here I am as a Standard (novice) Amateur.

Well thank you for the privilege of leading the club this coming year, although I was the only nomination for the position, so voting didn't happen. So you get what you've got!!!

I would like to thank all those who have taken on all the positions in BARG. To all members, please help out with all our functions and events, this is your radio group and you only get out of it whatever you put into it, so let's have a great year. And look at the start we've got with the shack modernization project. David **VK3UR** I suspect will be racing ahead with this project.

Events coming up in October include a multi club BBQ at Laanecoorie on October 8<sup>th</sup>.

JOTA at Pax Hill on October 21/22.

Thanks to all those who turned out for the working bee. What a difference was made, thanks to all. That's it, come along to the meeting and have a chat and have your say.

73's Bob. **VK3NBV**.....

## Wanted:

President Bob, **VK3NBV**, is seeking an HF trapped vertical antenna. Bob can be contacted on 5336-0998 or e-mail at [vk3nbv@barg.org.au](mailto:vk3nbv@barg.org.au).

BARG is seeking a 50 ohm 100W dummy load (1.8 – 30MHz minimum) for use in the club's radio shack during training courses and as part of the Radio Modernisation Project. If you have a spare dummy load surplus to your needs, please contact David, **VK3UR**, on 5334-1888 (AH) or e-mail at [vk3ur@barg.org.au](mailto:vk3ur@barg.org.au)

Craig, **VK3CMC**, is seeking a circuit/manual for an old Taylor multimeter model 101. It has a large bakelite case about 150 x 150mm and a lovely 100,000 O/V Sensitivity. If you can assist please contact Craig on 5342-2448 or e-mail at [vk3cmc@barg.org.au](mailto:vk3cmc@barg.org.au)

## 2006 Annual General Meeting:

The 2006 Annual General Meeting of the Ballarat Amateur Radio Group took place on Friday, 25<sup>th</sup> August, with good attendance.

The Club's Public Officer John Hazledine, **VK3CFH**, declared all existing Committee positions vacant and members were elected to the following positions:

<b>Position:</b>	<b>Incumbent:</b>	<b>Callsign:</b>	<b>Telephone:</b>
President	Bob Pitcher	VK3NBV	5336-0998
Vice President	Roger De Valle	VK3ADE	5341-2880
Secretary	Ian McDonald	VK3AXH	5341-3012
Treasurer	Gordon Cornell	VK3FGC	5339-2427
Ordinary Member 1	Bob Terrill	VK3BNC	5339-5317
Ordinary Member 2	Harry Hekkema	VK3KGL	5335-7563
Ordinary Member 3	Merv Quinn	VK3ADX	5332 2584
Ordinary Member 4	John Kennedy	VK3AIG	5332-4454
Ordinary Member 5	John Hazledine	VK3CFH	5339-1971
Ordinary Member 6	Doug Raper	VK3VBA	5332-3565

The following appointments were made:

<b>Position:</b>	<b>Incumbent:</b>	<b>Callsign:</b>	<b>Telephone:</b>
Amenities Coordinator	Doug Raper	VK3VBA	5332-3565
Awards Coordinator	Ernie Turner	VK3DET	5342-0383
Computer Systems / IRLP Officer	John Watts	VK3TJW	0422-857-407
Construction Group Coordinator	Ian McDonald	VK3AXH	5341-3012
Education Officer	Craig Cook	VK3CMC	5342 2448
2007 Hamvention Coordinator	Vacant		
Honorary Auditor	Jeff Pigdon	VK3PAP	5332-7041
Honorary Solicitor	Phillip Mann		
Librarian	Craig Cook	VK3CMC	5342 2448
Net Coordinator	Clem Allan	VK3BVI	5348-7709
Newsletter Editor	Harry Hekkema	VK3KGL	5335-7563
Property Officer	Jeff Pigdon	VK3PAP	5332-7041
Public Officer	John Hazledine	VK3CFH	5339-1971
Publicity Officer	Doug Raper	VK3VBA	5332-3565
Radio Modernisation Project Officer	David Tilson	VK3UR	5334-1888 (AH)
QSL Manager	Vacant		
Technical Officer	Bob Terrill	VK3BNC	5339-5317
Web Site Officer	Harry Hekkema	VK3KGL	5335-7563

## Radio Modernisation Project:

We have had major success with our funding applications from both the Wireless Institute of Australia (WIA) and the Ballarat City Council as part of the Radio Modernisation Project.

The **WIA Clubs Grant Scheme** received 16 applications for funding from clubs around Australia. The Review Panel recommended the awarding of \$5,000 to be split amongst 5 groups, of which BARG were one of the fortunate recipients. The Review Panel report stated the following in relation to BARG's application:

*"Ballarat Amateur Radio Club, with an 80% WIA membership, \$900 to fund phase 3 of stage 1 of a project to establish a modern HF and 2 metre and 70 centimetre club station providing facilities for remote access in times of emergency and for members from their homes and elsewhere, described by the Committee as the most innovative of all the proposals submitted, and also commended as being very well presented."*

The **\$900** will enable the club to purchase / install antennas for 160m, 30m, 17m, 12m and 6m at the Club rooms, along with coaxial relays and computer interface cards to control the relays and the antenna rotator.

The **Ballarat City Council** awarded BARG **\$1,995** to purchase a new 160m – 6m radio as part of their 2006 Ballarat Community Council Grant scheme. Although the presentation of the cheque will not take place until late September, at a formal ceremony, the BARG Committee authorised David, **VK3UR**, to negotiate with suppliers and purchase the radio in accordance with the Radio Modernisation Project plan. A **Kenwood TS-480sat** and **voice synthesizer unit** were purchased from **Strictly Ham Pty Ltd** and presented by David, **VK3UR**, to President Bob, **VK3NBV**, at the August General Meeting.



*BARG's new TS-480sat.*



*Craig VK3CMC & Cedric VK3KCA inspecting the new radio.*

Works are now underway to identify which of the old HF radios will be disposed of and to install the new TS-480sat into the shack. Works will also commence to purchase / construct / install some of the new antennas and ancillary control equipment.

## **Minutes of BARG General Meeting, 25<sup>th</sup> August 2006:**

*Welcome: The meeting was opened by new President Bob VK3NBV*

*Apologies: VK3HRZ, VK3BNC, VK3KGL, VK3FGC, VK3AIG, VK3CAZ, VK3BMY.*

*Minutes of the July General Meeting read and circulated in the Newsletter  
No business arising Moved VK3VBA/VK3ADX Carried*

*Vote of thanks to David VK3UR the outgoing President for his outstanding efforts over the past two years Moved VK3CMC/VK3HHK Carried*

*Secretary Report*

*Correspondence as read by Ian VK3AXH/VK3KQQ Carried*

*Treasurers Report*

*In the absence of Gordon VK3FGC a report was tabled by the Hon Auditor Jeff VK3PAP*

*President Bob VK3NBV informed the members there would be a working bee on Saturday 16<sup>th</sup> September to tidy up club facilities.*

*A motion to accept an offer by Tim VK3TIM to donate a 6 metre repeater including cavities, installation etc at the site of the club's Mt Ben Nevis 2 metre location provided the site owner and ACMA requirements were met. For insurance purposes Tim would need to become a member of BARG*

*Moved VK3BVI/VK3AXH Carried*

*David VK3UR presented a report on the Radio Modernisation Project*

*The WIA has granted \$900 towards the replacement/upgrade of antennae and associated hardware at the BARG Clubrooms.*

*The City of Ballarat Grants Committee has approved a grant of \$1995 towards the Radio Modernisation Project and a new Kenwood Transceiver covering 160 through 6 metres has already been purchased.*

*Jota – John VK3CFH to follow up dates etc for clubs involvement*

*RD Contest – VK3SE, VK3DET, VK3ADE and VK3ADX took part and reports indicate the club would do well with a score of 371 points*

*Amenities – Doug VK3VBA all going well*

*Club Net – Clem VK3BVI reported a good attendance each Thursday night On 3610KHz.*

*Construction Project – Ian VK3AXH reported that a good night was had by those that attended the printed circuit board production with 16 pcb's made for the Antenna Analyser Project.*

*Dining Night – It was decided the September dining night be held at the Sebastopol Bowling Club*

*Education – Craig VK3CMC reports that 4 applicants are ready to attend the training and test for the Foundation Licence on September 16/17. As all the Foundation books have been sold the club needs to obtain new stock.*

*Hamvention – Ian VK3AXH has now received bookings for 10 tables and reminded members that on the day there needs to plenty of support to setup the venue. The catering side of the event has still to be finalized with the venue caterers.*

*The Home Brew competition will again be part of the Hamvention as the club has received another \$150 anonymous donation from someone wishing to promote ongoing interest in home brewing amateur or related equipment.*

*Newsletter – David VK3UR will be assisting Harry VK3KGL to produce the newsletter whilst Harry is away until the end of October*

### **General Business**

*Ernie VK3DET sought clarification of the distribution of grant funding from the WIA which was explained by David VK3UR*

*David VK3UR also responded to a question relating the to operation of the APRS Repeater at Mt Hollowback. The problem is expected to be resolved in the very near future and will be operational in the near future.*

*The membership fee issue was raised and members were advised the committee did not seek any change. Fees to remain at \$30 for individuals and \$40 for families.*

*Meeting closed at 2135*

### **Propagation Report:**

Well there has been some good openings on some of the HF band this past month. I have heard a few contests on and there were good DX contacts to be had on 80, 40 and 20 metres.

Roger, **VK3ADE**, reports that Doug, **VK3FDRE**, now has an excellent signal on 80 metres. I understand Doug has been working on his antenna setup so it's great to see the improvement not only over the short distances but the ones further afield as well.

John, **VK3AIG**, reports good signals to ZL on 160 metres with 599 reports in the early evening.... might ask what's happening to all the 160 metre verticals we made?????

On VHF and above both Kevin, **VK3WN**, and Brian, **VK3KQB**, report some openings on 2 metres SSB to Tasmania and South Australia. David, **VK3YNB**, has also been active on a few of the bands.

### **VK3AXH EME Activity since installation of a 4x5WL 144MHz Array**

My 1<sup>st</sup> EME contact was with W5UN on 21/8/04 using a single 12el yagi with no elevation. A further 14 contacts were made using the single yagi until use of the new array began on 3/4/06. The array is by DJ9BV and optimized by Lionel VE7BQH with all 18 elements of each yagi insulated from the boom. Only horizontal polarization is employed.

Total contacts to the end of August 2006 on 144 are as follows:-

Grid Squares	JT65B/84,	CW/2	SSB/1
Total No of Contacts	JT65B/112	CW/2	SSB/2
DXCC	24	2	1

Included in the above there are 2 CW and 2 SSB QSO's. Both SSB contacts were with **RN6BN** using his famous 1920 element array with Vertical and Horizontal Polarization. The initial SSB contact was tried after receiving signal levels of -6dB at both ends using JT65B on Saturday 26<sup>th</sup> August. Sam called me and I received him at 5X1 and he received me 4x4. We had 3x1 minute overs each. Sam's log show this as the longest distance of 13,918Km in his list of 162 SSB contacts.

On Sunday 27<sup>th</sup> August at around 0640 UTC Sam began calling CQ using JT65B alternating between Vertical and Horizontal Polarity. He was 8dB stronger on Vertical Pol to me. When I saw a level of -6dB I called him on SSB and was surprised to hear him come back with a 5x1 report. I gave him 4x1 and again we had 3x1 minute overs.

It's great fun and I look forward to many more EME contacts in the future on 2 metres and eventually some of the higher bands.

Ian, VK3AXH

### **Dining Night Group:**

The September Dining Night at the Sebastopol Bowling Club was a great success with 21 people attending. It is great to see some new faces appearing as well as the regulars. The next Dining Night will be held on Friday, 20<sup>th</sup> October, commencing at 6:30pm. The venue is yet to be decided, so stay tuned to the club's email list and for news at the next General Meeting.

### **BBQ:**

Following the recent visit of our friends from the Central Goldfields Amateur Radio Group, their President Peter, **VK3CC**, proposed having a multi club BBQ in October, comprising CGARC, Midlands Amateur Radio Club and



BARG. A date of Sunday, 8<sup>th</sup> October, starting at 10:00am, has been selected and CGARC have organised the Laanecoorie Hall as the venue. Laanecoorie is on the Bendigo side of Eddington about a third of the way from Maryborough. BBQ facilities, along with tea, coffee, milk and bread will be provided and members will only need to bring meat / drinks. Representatives from Amateur Radio Victoria (formerly the WIA Victorian Division) have also been invited and indicated their attendance.



### Remembrance Day Contest:

The RD contest for this year has been and gone. This year we had 4 operators take part (from the club rooms) they were **VK3ADE** Roger, **VK3ADX** Merv, **VK3DET** Ernie and **VK3SE** Steve. We started at 6pm Saturday night and used the VK5 RD logging program all taking turns both on the radio and on the logger. There were some great contacts made on 80mtrs and 40mtrs during this time some stations already having some big numbers, and our numbers were also starting to creep up. We put out a few calls over RBA for any stations to come up on 10mtrs but we only had 2 takers **VK3BEB** Rick for 2 points and **VK3CB** Cliff, but the distance was a little too great for Cliff ( thanks anyway fellas). Roger and Merv left at about 11.30pm leaving Ernie and myself to do the (freezing) grave yard shift, picking up much needed 2 points after 1am. Contacts picked up as everyone was after the 2 pointers. Contacts went well working 80mtrs to about 3.00am then started to drop off. I think the eyes of everyone were dropping out too. It got pretty hard from then on and even harder from 4.30 to 6.00am. Then the alarm clocks started to go off and the punters started to wake up. Roger and Merv turned up sometime about 8am I think? Some stations around on 80mtrs then moving to 40mtrs until fading occurred then back to 80mtrs and then after 17 contacts on 20mtrs we called it a day at 1pm on Sunday as our eyes were about to fall out. Merv had 2 CW contacts but not a lot of CW Contest activity was observed. No contacts on 160mtrs as there is at the moment no antenna, a pity again double points for that band. We did not log any VHF/UHF contacts and just decided to concentrate on HF. Contacts made for the contest were 310 with total points of 371.

WELL DONE TO Roger, Merv & Ernie.  
From Steve, VK3SE.



Ernie VK3DET and Steve VK3SE during the RD Contest.



BARG Computer with logging software

### **2006 Ballarat Hamvention Home Brew Competition:**

Over the last few years BARG has conducted a Home Brew Competition in conjunction with the Ballarat Hamvention. Both last year and this year we have generously received donations of \$150 from **I.M. Anonymous** to be used as prizes towards the 2006 Ballarat Hamvention Home Brew Competition and other door prizes. Although the club has no idea who I.M. Anonymous is, we would like to thank him / her for supporting this activity.

The Hamvention Coordinator and Committee have agreed to run a Home Brew Competition again this year, which will be divided into 3 categories as per previous years, each with prizes to the value of \$50.

The Hamvention organisers are particularly keen to see entries from our new Foundation Licence holders, or entries that may offer practical assistance for newcomers to our hobby. The "Conditions of Entry" are contained within this newsletter and will be available, shortly, on our web site at [www.barg.org.au](http://www.barg.org.au).

### **Working Bee:**

The club held a very productive Working Bee on Saturday morning, 2nd September, with 11 members present, being Doug **VK3VBA**, Rick **VK3BEB**, Kevin **VK3WN**, Craig **VK3CMC**, Merv **VK3ADX**, Bob **VK3NBV**, Dean **VK3HHJ**, Roger **VK3ADE**, David **VK3UR**, Gordon **VK3FGC** and Ian **VK3IDL** arriving just as most people were leaving... Activities undertaken included grass mowing (a major effort as it has been some time since this was done), installation of coaxial cables between the Shack and the General Meeting Room, commencement of works for the VK3BML Radio Modernisation Project and a general tidy up.



*Dean VKHHJ & Roger VK3ADE attacking the lawns. Kevin VK3WN running coax into the shack.*



*Merv VK3ADX running coaxes. Rick VK3BEB supervising. David VK3UR working in shack.*



President Bob, **VK3NBV**, passed on his thanks to all involved and praised everyone for their efforts in improving facilities at our club rooms. In turn, everyone else thanked Bob for slaving away in the kitchen, earlier in the morning, making scones for the troops. It was also noted now that precedence has been set that scones, or other culinary delights, will need to be available at future Club activities. Asked why former President David hadn't made scones while in the Chair, David replied that if he had, then he may not have escaped from being President!!!

### **Foundation Licence Training Course:**

On Sat/Sun the 16/17 Sept the club again ran a course for the Foundation licence at the club rooms. We originally started with six applicants but due to a minor accident one had to defer to a later date. With assistance from Ian **VK3AXH**, Kevin **VK3WN**, Doug **VK3VBA**, Charlie **VK3DCS** and David **VK3UR** we presented the syllabus in course of instruction and hands on training with actual radios and other hardware. On the Sunday after further practice we conducted an examination with the help of Keith **VK3AFI** from Geelong. Although the day was rather long four of the candidates were

successful at the first attempt and another will be sitting again in the next week and I hope that we can then say they were all successful. This was a rather important course as not one person came from the immediate Ballarat area but at least a minimum distance of 50Km one way travel. One candidate had to drive for two hours each way on both days to make it. Hopefully that effort has payed off for all as they now have access to what we would like to call a Hobby for lifetime where they can make many new friends and learn a lot more about the hobby and do some serious experimenting with some antennas. I would like to thank all concerned in helping to present this course and look forward to being able to assist others into the hobby of AMATEUR RADIO.

Craig, VK3CMC

### **Amateur Radio Practical Examination:**

With the introduction of the latest Foundation licence certificate, also came a new element to the licence and that was the requirement to pass a practical assessment. This requirement has been in force since Oct 2005 and also applies now to the other two amateur licence exams. If a person has never held an amateur licence before and they are contesting the Foundation, Standard or the Advance licence then they MUST also submit for assessment in the practical examination. The only exception is when an amateur who currently holds a licence wants to do an upgrade they do not need to be re-assessed for the practical again. The practical test is the same for all three licence levels.

A copy of the practical can be seen on the WIA examiners web site

### **News Flash:**

....breaking news.... dah dit dit dit dah dit dah....

It was reported today Wednesday 12 September that Bob vk3bnc/grp/port4..was heard in contact with drew vk3xu....it was noted that BNC was enjoying himself .. ...stop..\\

Heard some strange sounds coming from Dereel last Wednesday, 20<sup>th</sup> September... Neil VK3KQQ has cleaned the cobwebs out of his 2m SSB rig and constructed a new beam. He surprised the Wed night group on 144.160MHz with his signal and should be a regular attendee. Others heard at 2030hrs on 144.160 were Brian 3KQB, Ian 3IDL, Ian 3AXH and Craig 3CMC. A surprise visitor to the gentlemens band was David VK3UR. Wonder who will be heard on this frequency next week??

Rumour has it that Craig VK3CMC may have a slight boost of power in his shack soon. The arrival of an AM-17 that runs a pair of 4CX250B's on 2m may just put Cape Clear back on the map.

Watch out there's a new "old" amateur back in town now. Murray VK3AAI has decided to return to Ballarat after a few years worldly journeying. Welcome back Murray and hope to hear you on air soon.

What's happened to Rod VK3KRC? Hasn't been heard from since renovations for the house were contemplated. Maybe the tower had to go?? Car 99 where are you?

Signed Jimmy.

### **Online Information Requests / Comments:**

We have recently added 2 new features to the BARG web site to assist with support of Training Courses and our IRLP system. The Training online form allows people to enquire about forthcoming Training Courses and exams. The IRLP online form allows people to advise if there is, or has been, a problem relating to the VK3RWA IRLP node or news broadcasts. Both online forms generate an automatic e-mail message which is sent to the responsible club officers to be actioned.



OK, so maybe the earlier photo of Rick, **VK3BEB**, wasn't entirely reflective of his efforts during the recent Working Bee, but these things will happen when someone hams it up for a photo...



# THE 2006 BALLARAT HAMVENTION HOME BREW COMPETITION CONDITIONS OF ENTRY

## OVERVIEW:

The aim of the 2006 Ballarat Hamvention Home Brew Competition is to encourage the design and construction of equipment that aids or assists with the enjoyment of radio communications. This typically includes, but is not limited to:

- Amplifiers
- Antenna Tuning Units
- Control Systems
- Power Supplies
- Radio Antennas
- Receivers
- Test Equipment
- Transmitters

Previous winners from former Home Brew competitions include:

- A Light Dependant Relay for Switching 240VAC Equipment – Jeff Arnold, SWL  
(Novice category)
- A 13.8V DC Regulated Power Supply by John, VK3TJW  
(Experienced category)
- A 40m SSB Transceiver by Noel, VK3FGN  
(Expert category)
- An 80m SSB Transmitter by John, VK3TJW  
(Expert category)

This is an honesty system and entrants use the following criteria. There will be 3 sections of competition, comprising: Novice, Experienced, and Expert. It is permissible for an entrant to enter above, but not below, their section.

The Hamvention Organising Committee is particularly keen to see entries that provide practical assistance to the new Foundation Licence members.

## NOVICE:

1. Is a person who is NOT, or was NOT, professionally involved in the design or building of equipment; AND
2. Has no amateur licence, or has held an amateur licence for less than two years; AND
3. Has built less than 5 projects (Kits or own design).

## EXPERIENCED:

1. Is a person who is NOT, or was NOT, professionally involved in the design or building of equipment; AND

2. Has held an amateur licence for more than two years and less than 10 years; OR
3. Has built more than 5 simple projects. (Kits or own design)

**EXPERT:**

1. Is a person who is, or was, professionally involved in the design or building of equipment; OR
2. Has held a amateur licence for 10 years or more; OR
3. Anyone who doesn't fit any of the above.

**REGISTRATION:**

1. There is no cost to enter the Home Brew Competition and you may enter as many entries as you wish.
2. All entries must be accompanied by a separate Entry Form.
3. All entries, and Entry Forms, must be presented to the Home Brew Competition Co-ordinator by 09:30 on Sunday, 5<sup>th</sup> November, 2006. Entries received after this time, will be displayed but ineligible for the competition.
4. All entries must be collected on the day of the Hamvention.

**JUDGING AND JUDGING CRITERIA:**

1. Workmanship which covers facets including mechanical construction, soldering, layout, good practice for the radio frequencies used, use of suitable materials, controls with knobs and labels, serviceability, safety and appearance.
2. Originality will be considered as will complexity of the project and the documentation.
3. Judging will occur on the morning of the Hamvention, with the prize winners being announced during the course of the day. The judges decision will be final, and no correspondence shall be entered into.
4. Pictures of entries and a summary of the judges remarks may be published on the BARG Web Site ([www.barg.org.au](http://www.barg.org.au)) and BARG Newsletter after the Hamvention.
5. If the item is contained in a box, the box should be unscrewed and open to allow inspection of the item.

**PRIZES:**

A certificate and prize to the value of \$50 will be presented to the winner of each section.

**ENTRY FORM:**

All entries must be accompanied with the following documentation.

-----

**2006 BALLARAT HAMVENTION HOME BREW COMPETITION:**

**Name:** .....

**Callsign:** .....

**Section:**    Novice            Experienced            Expert

**Project Title:** .....

**Brief Description:** .....  
.....  
.....  
.....  
.....

**Estimated Construction Time:** .....

**Why Did You Build It?:** .....  
.....  
.....

**Does The Project Work?** Yes / No