

BARG News



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

VOLUME 33 ISSUE 1 JANUARY 2010



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

NEXT MEETING - FRIDAY January 29, 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 RPT!: 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 3.610+/- 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 vk3kgl@barg.org.au

Broadcast Times and Dates on VK3RWA Repeater

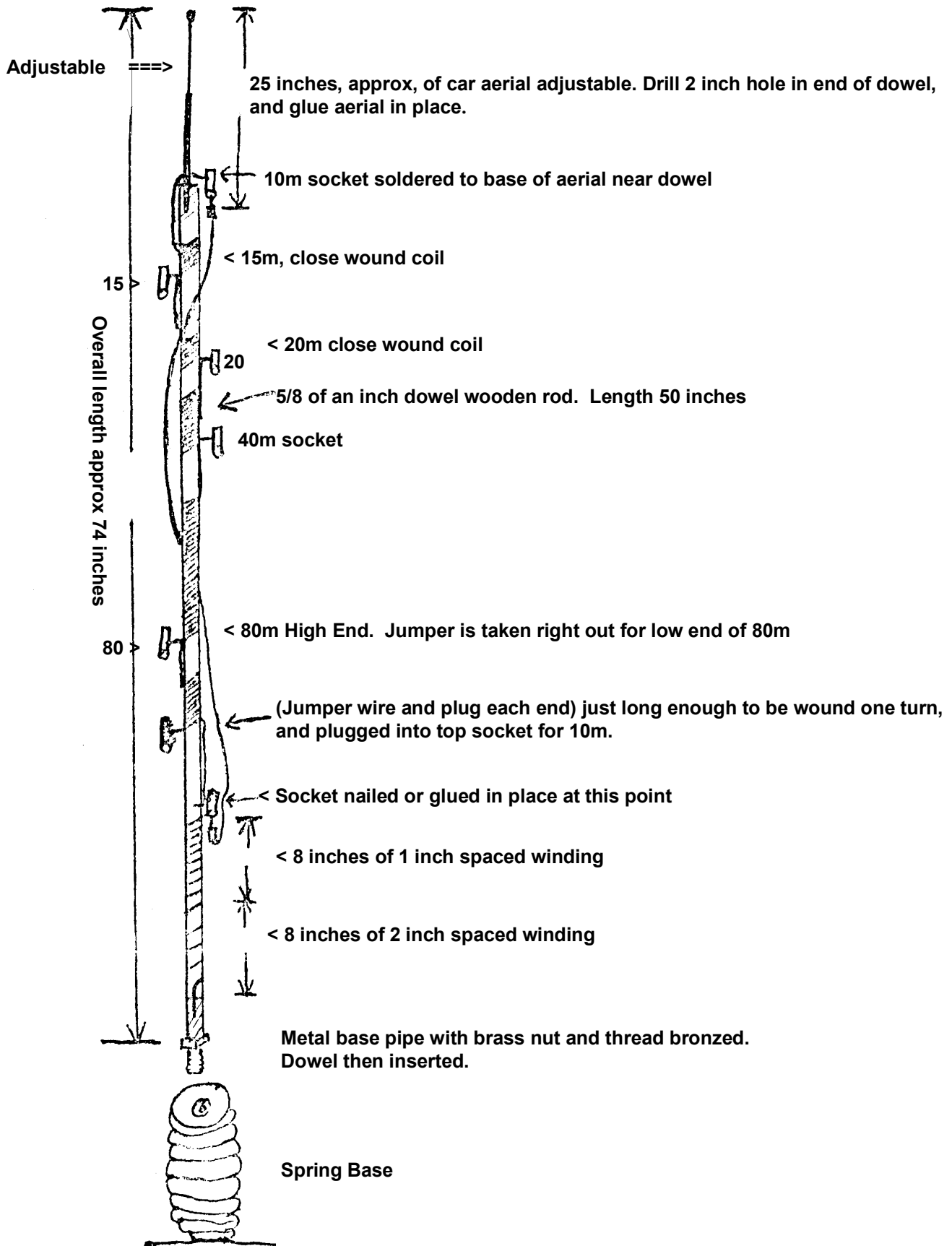
Every Sunday at 11.00 am, WIA National News.

Every Monday night at 9.30 pm, ARRL News

Every Tuesday night at 9.30 pm, WIA National News Repeat

MOBILE ALL BAND ANTENNA

Helical 10, 15, 20, 40 and 80m
Article by Laurie Moss, VK3DLO



Start at bottom and wind 8 inches spaced at 2 inches apart, then another 8 inches spaced 1 inch apart.

This gives approx. matching impedance of 50 Ω . Use thin copper wire of old transformer, approx 33 gauge or whatever handy. Solder to first socket. Then attach jumper lead and WIND AROUND THE SAME WAY AS AERIAL IS WOUND. Make it just long enough to reach 10m socket after one turn. Then as you come down to 15m or 20m, or 40m or 80m, just wind the slack around the aerial, the further down the more turns of jumper lead. The turns don't matter of the jumper for 15, 20, 40 or 80, but keep it fairly neat and close to aerial. Keep a fair distance away from where the car aerial ends before starting 15m winding 2 or 3 inches. Wind all coils close, when near the approx spot you want, moving the coils apart slightly at the bottom of the winding will tune to exact frequency.

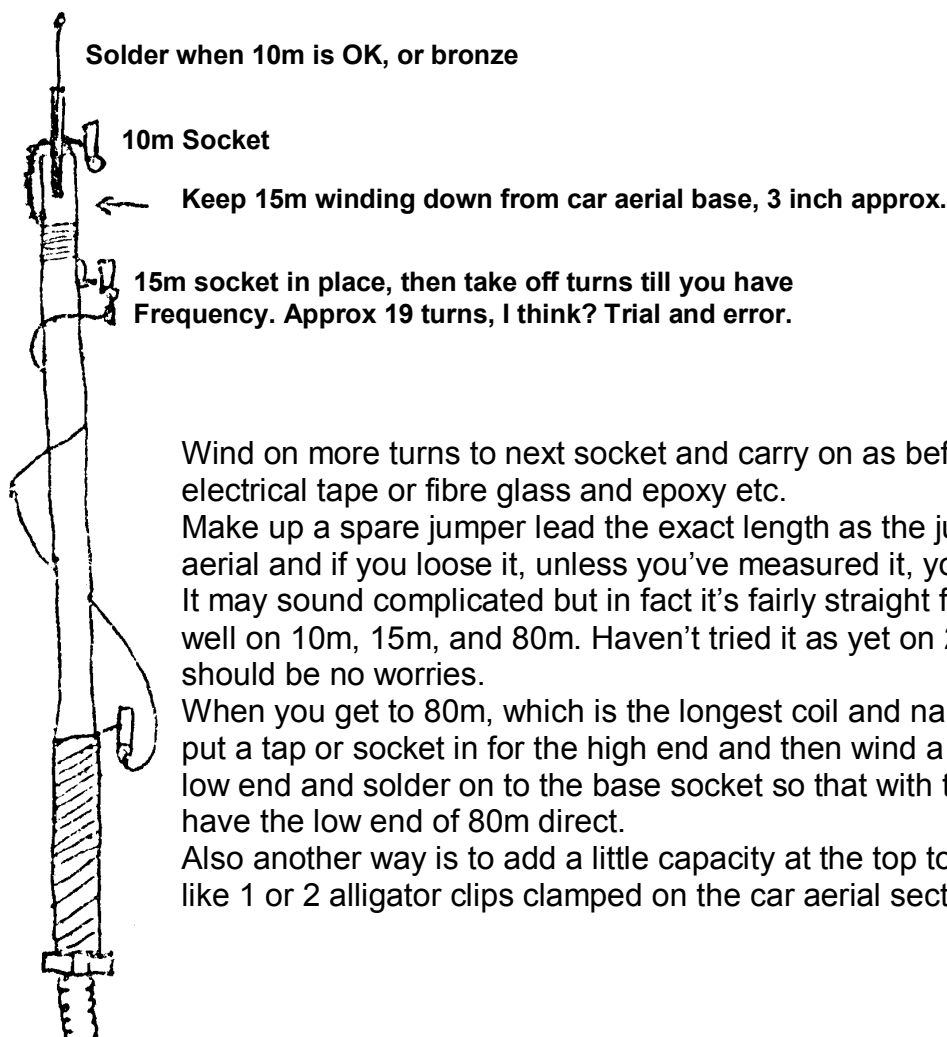
After winding the base winding onto first socket and using electrical tape to hold the windings, put the jumper in line to 10m top socket and by sliding the car aerial section in or out the SWR etc. can be put spot on.

Then solder or bronze aerial at this point and you have 10m.

Then solder wire at the 10m socket and come down a bit and start the 15m winding.

Wind close and wind more turns than you need, then prune off till frequency is reached.

Approx. turns will vary depending on wire size diameter etc., cut and try.



Wind on more turns to next socket and carry on as before. Cover all the aerial in electrical tape or fibre glass and epoxy etc.

Make up a spare jumper lead the exact length as the jumper lead is part of the aerial and if you loose it, unless you've measured it, you are in strife.

It may sound complicated but in fact it's fairly straight forward, and works really well on 10m, 15m, and 80m. Haven't tried it as yet on 20 and 40m, but there should be no worries.

When you get to 80m, which is the longest coil and narrow band width, you can put a tap or socket in for the high end and then wind a small coil on to cover the low end and solder on to the base socket so that with the lead out of line you have the low end of 80m direct.

Also another way is to add a little capacity at the top to move frequency on 80m, like 1 or 2 alligator clips clamped on the car aerial section.

The 2009 BARG Christmas Breakup

This year 35 members turned up for the breakup. Everybody seemed to enjoy themselves.

And the night was enjoyed by all. Thanks go to our cooks, Warren and John and Sausage separator Peter.

Also thanks to Bet and Theresa for setting up tables and decorations. Some photo's courtesy Bob (vk3nbv)



Warren, VK3FWJW



Peter, VK3FPOL



John, VK3AIG





Doug, VK3FRDE

The Secretary's Page

Minutes of the BARG General Meeting – 27th November 2009

Doug VK3VBA opened the meeting at 1935.

Attendance

Doug VBA, Doug FDRE, Peter FPOL and approximately 15 other members.

Apologies

VK3CAZ, VK3HHK, VK3BVI, VK3FSTU, VK3BA, VK3FGC, VK3CIS, VK3GND

Minutes of the Previous

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

Moved Warren VK3FWJW / Charlie VK3DCS - carried.

Secretary's Report

Correspondence In:

Neighborhood Cable notification of payment.

Department of Justice advice of services they can provide.

Letter of thanks from Damascus College for participating in activities days.

2 of QST magazines, 1 of AR magazine.

Correspondence Out:

Belated wedding card to Peter Andjelkovic VK3KP and his new bride.

Doug VK3VBA had emailed most of the Hamvention traders, seeking suggestions for improvements.

Peter VK3FPOL had written to Greyhound club - booking venue for next year, and to St Patricks Cathedral thanking them for the use of their trestles, and enclosing a donation.

Moved Ian VK3AXH / VK3PAL that all correspondence be accepted – Carried.

Minutes of the Previous

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

Moved Warren VK3FWJW / Charlie VK3DCS - carried.

Reports

Repeaters etc. - Ian AXH The power supply for the beacon at Mt Buninyong was unserviceable, Ian had priced a replacement 40 amp. switchmode power supply at \$201.00 + GST + Freight. Ian moved, and Craig CMC seconded that we should proceed with buying the new power supply. It was rumoured, but not confirmed that our repeater equipment had been removed from the Mt Buninyong site, Ian undertook to check if this was correct, and to find out where the equipment was now.

Social – Bob NBV Meal at Scarsdale hotel had been OK, drinks and service so-so. Our break-up night would be 18th December.

Education – Craig CMC There were 7 people booked for the foundation licence course, including 2 juniors, deposits had been secured from the applicants.

At this stage the raffle was drawn - prize of a digital camera and accessories was won by Charlie VK3DCS.

General Business

Gordon FGC spoke about the need for more people to volunteer for work with WICEN.

Kyneton Hamfest will be on 14th February.

Peter Rafferty from Midlands group had made contact regarding the inter-club BBQ at Laanacoorie on 7th March, he would like Ballarat to supply salads and onions.

Poor attendance at working bees had been discussed at the committee meeting, our neighbour had offered to cut the grass when requested to do so for \$40 a cut, it was moved by NBV, seconded by KGL and agreed by the members that we accept this offer.

The purchase of a storage shed had been discussed and decided by the committee. Site had been selected and quotes for the supply of the shed and pouring of the slab floor had been sought.

Orders were taken for new call books. Those interested were CMC, KQB, KGL, PAP, NBV, VBA, DCS, FWJW, FGC and CIS. It was decided that Peter FPOL would order 12.

Alan Devlin VK3XPD and his party are undertaking an expedition to Norfolk Island in March. Kevin VK3WN moved, Craig VK3CMC seconded, and the members voted that we should make a donation of \$200.00 to the group to help defray their expenses.

There being no more business meeting closed at 2110.

Next meeting 29th January 2010 at 2130.

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

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I was informed on Christmas eve by Stuart VK3ASH, that our friend Ken Robertson VK3HKR, Had past away in Melbourne after a long illness. Ken was a regular user on VK3RBA and others and would regularly work into a number Of Ballarat shacks. It turns out that Ken and I started out as SWL about the same time although he didn't become an amateur until some years after me. A nice soft spoken gentleman, he will be remembered by those that had the good fortune to know him. Vale Ken. SK. Craig, VK3CMC

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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

vk3kgl@barg.org.au

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



QST Report with Craig, VK3CMC

Content review of current QST in library

QST Review 2009-12 Dec.



P4/5 The index.

P9 Again discusses the APPROPRIATE use of Amateur Radio and what is and what is not acceptable on using AR for an employer. ??
Very much appropriate in VK as well as US.

P30 160/80M matching network for a 43ft vertical. Part 1.

P32 Feedback from last months articles.

ICOM IC-7600 review addendum.

Antenna dipper circuit error correction.

P33 Collins 30L-1 Linear amp, nearly 50yrs on. Going strong.

P35 QEX Index Nov/Dec 2009.

P36 Antenna polar patterns. What do they mean?

P37 How the Ionosphere was discovered.

P40 Product Review: ICOM IC-80AD Dual band handheld.

P43 Review: Ten-Tec 715 RF Speech Processor.

P45 The Doctor. Answers a range of questions.

P47 Short Takes. MicroHAM USB Interface 3.

P48 Hands on Radio: Ex #83 Circuit Simulation Part 1.

P50 Hints & Kinks. Weather proofing LDG RT-11ATU, 706 SO-239 problem

P52 The K5D Desecheo Dxpediton story.

P55 ARRL has a new Web site.

P57 Beyond the Straight key

P61 In Brief: Time to get rid of the older style IRC's

P87 Hows DX?

P89 World above 50Mhz

P93 Eclectic Technology. Sumbandila sat in orbit S.A AMSAT.

P94 Vintage Radio: The MARS program.

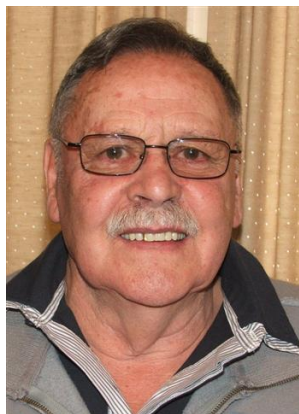
P97 QST contents from Dec 1934, Dec 1959, Dec 1984

P99 Hamspeak Glossary of terms in this edition.

P164 QST Index of Advertisers.

Another good months reading.

73 Craig, VK3CMC



Doug, VK3VBA

Presidents Report

Well the start of another calendar year, what lies ahead.

Lots of things in the pipeline, our concrete slab has been laid for the construction of our shed in the back yard, the shed can be picked up at anytime at our leisure so when time comes to assemble we are looking for willing workers to put in the hard yard on the day (many hands make light work).

We also have in our possession a roof bracket to hold our projector hence help is required in mounting this item, this item has been donated.

Work is about to start in modifying our inside workshop to make it easier for members and students at exam time.

Working bees are the go at the moment but all to the benefit of our members, all help will be greatly appreciated.

Our first dining night was held on January the 15th with 18 people present a good night was had by all.

It would be nice to see even more members attend I can guarantee a good social night out (give it some thought)

Another social event was our annual Christmas breakup at our club rooms with approx 38 in attendance, two Christmas cakes were donated and were raffled and I have on good authority that they past the taste test, hope you enjoyed yours Beryl.

Exam results were good and welcome to some new members.

As I write this one of our members has ventured to Mt Leura for a radio contest hope you went well Shaun.

Talking of contests please give some thought to contesting the John Moyle this year, (more later on this one)

Another job completed was the trimming of a tree in the back yard to make way for the shed.

Well that's about all for now, hope to see a good turnout for our coffee morning at the Beechworth Bakery on January the 28th at 10-30 am and then our first meeting for the calendar year on the 29th at 7-30 pm.

Until then all the best.

Doug 3vba