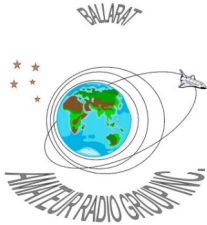


BARG News



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

VOLUME 36 ISSUE 7 JULY 2013



President: John Kennedy VK3AIG
Secretary: Doug Ellery VK3FDRE
Treasurer: Roger De Valle VK3ADE

NEXT MEETING - FRIDAY JULY 26, 2013
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

Maurie Batt *	
Gordon Cornell	VK3FGC
Norm D'Angri	VK3LBA
Harry Hekkema	VK3KGL
Kevin Hughes	VK3WN
Ian McDonald	VK3AXH
Phil Seddon	VK3AQM
Charlie Stewart	VK3DCS
Bob Terrill	VK3BNC
Stan Widgery *	
Jim Wright *	

CLUB INFORMATION

REPEATERS and BEACON

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)(Uses CTCSS of 91.5 Hz to access)	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
VK3RBT	(2 m Voice Repeater) (Uses CTCSS of 91.5 Hz to access)	146.650 MHz	Green Hill

* IRLP Node 6310 using VK3RWA

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

CLUB NETS VK3BML 3.608+/- QRM Thursday Nights at 8 pm E.S.T (Summer & Winter)
146.650 MHz - Every Tuesday Night at 8 pm. (VK3RBT Repeater)

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 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

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

BALLARAT

AUTO SOUND SPECIALIST

and
Radio Communications Systems Specialists
Supply and Service

8 EASTWOOD ST., BALLARAT 3350
Tel. 5333 4465 Fax. 5331 5851

HEWITT & WHITTY Pty. Ltd.
Outdoor Power Equipment

Cnr Carrngham Road
& Wiltshire Lane
Ballarat VIC 3350

Phone: (03) 5336 1344
Fax: (03) 5336 1027

Damien Hennessy

Sales / Spares

Mobile: 0417 313 811

Email: damo_611@hotmail.com



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Ariens TIGA

ECHO

**CHIPPER
CHOPPER**

ep
Engineered
Products Group

KOHLERengines

COFFEE at the CLUB

(A Cuppa Tea is also available)



Join us for a Cuppa and a yarn or two on the
2nd and 4th Thursday of each month
(except January & December) at the Clubrooms.
We start at 10.30am and finish at about
11.30am, in time to get home for lunch.
**COME ALONG AND JOIN US IN A NIBBLE
AND A NATTER. (XYLs ARE WELCOME.)**



B.A.R.G Items for Loan.

Antenna Analyser MFJ269 HF-VHF-UHF

Antenna Analyser MFJ249 HF/VHF

UHF Antenna Analyser

Antenna Analyser VHF. Autek.

Receiver Drake SSR-1.

Receiver FRG-7.

Transceiver TS-530.

Oscilloscope BWD 509.

Grid Dip Oscillator.

Safety Belt.

A Loop for the DSB-40



A simple and easy design and ideal for the field day. Most items for construction are easily resourced and little time and know how required.

The loop is constructed to cover three bands, 40m, 30m and 20m.

Construction starts with a sixteen foot length of RG-58 to which BNC connectors are attached. The loop is tuned at the top with three “Bee-Hive” Phillips 0-30pf trimmers. The appropriate band is selected with a short wandering lead and alligator clip as seen in the image.

The method of mounting the trimmers and the two BNC connectors on the 50mm X 80mm PCB is also shown. Care must be exercised not to short out the two BNC connectors. It will be noted that the inner conductor of the coax is not used. The 40m band trimmer has an additional 68pf mica cap in parallel with it to tune the loop to frequency.



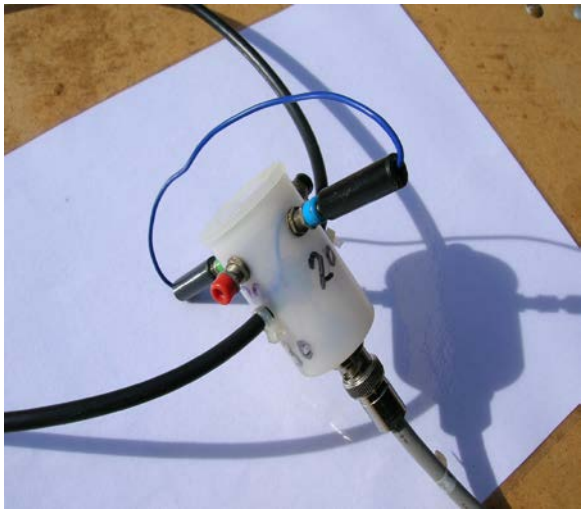
Turning to the matching and feed end of the loop a 35mm film canister is used to house the ferrite FT50-61 toroid although I used a T50-2 which I had. This is wound with 20# enamel wire and taped at 2, 3 and 5 turns for 20m,30m, and 40m bands respectively.

Now the tricky bit is that the coax must also pass through the centre of this toroid to form one turn of the matching transformer. The selection of the band can be done with a three position slide switch or the way I chose was to use terminals and a shorting lead as will be seen in the attached photo. The FT50-61 toroids can be sourced from TTS who provide a fast turn around service.

As this is a short article designed to wet the appetite and serve as a future project at BARG it is not greatly detailed. The original article can be found at G4FON's website. The mechanics of holding the loop will be covered by the builder but I used some 6mm fibre glass rod cut into two lengths and attached at the two ends I used some 10mm

aluminum tube secured with glue and slotted to permit the RG-58 to pass through. One of the rods had a centre piece of tube to hold the two rods together to a length of approx five feet forming the centre arm of the loop. To hold the two arms out measure out along the coax approximately four feet each side from the top and use two small cable ties around the coax with a gap of 20 mm. This permits the cross arms to fit in and support the loop. The cable ties are also used at the bottom of the loop holding the coax outside of the film canister and can be seen in the photo. The top of the loop has a small stiff wire hook which is used to hang the loop from a tree or what ever. You might even get a Koala to hold it for you!

Well for tune up I used a GDO but the club's selection of Antenna analysers are available to do a very fast tune up for you so adjust to 50 ohms with the trimmer for that band and a low SWR.



The last photo shows the loop ready for transport so it's easy to carry and erect. With the weather so inclement I have not been able to use it much but it does work Ok on 40m and it appears that 20m is very lively.

Perhaps this sounds a bit messy well it is amateur radio, it is great fun, it beats washing dishes, it does attract the grand children out side! Whilst on the subject this short feature could not have been made without the assistance of my grand children whom make my computer experiences so pleasurable.

Bob VK3BNC.

Dear BARG Members

Well it's that time of the year again, annual membership Subs have rolled around again. The Committee would invite everyone to rejoin again and advise we can take your payments by direct bank deposit or by cash payment at the AGM on the last Friday of this month.

Under the direction of John Kennedy we have had an excellent year and would love to keep this going this year with a good strong membership base.

If you have changed any personal details could we request you fill in the member information form available from the BARG web site and pass it along to myself for recording.

These are the details of the BARG membership.

1: Annual Fee. \$40 for individuals and \$50 for Family memberships.

2: Bank : Bendigo Bank

3: BSB: 633 000

4: Account Number: 142591247

5: Account Name: Ballarat Amateur Radio Group Inc.

If you can make sure we know who it came from by getting your name and call sign on the deposit it would be good, otherwise send me an email once it has been done and we will keep an eye out for it.

I will post your receipt and membership card directly to your home address or pass it on at the monthly meeting once it is all done.

Regards.

**Roger de Valle.
03 5330 3081**

BALLARAT AMATEUR RADIO GROUP INC. REG. NO. A 0006953T

CLUB REGISTER AND ANNUAL SUBSCRIPTION CHECK

NAME: _____ MOBILE PHONE: _____

CALL SIGN: _____ EMAIL ADDRESS: _____

STREET: _____ WIA MEMBER?: YES OR NO

SUBURB/TOWN: _____ PARTNER'S NAME: _____

POSTCODE: _____ SUBSCRIPTION PAID: \$ _____

WORK PHONE: _____ RECEIPT NO: _____

HOME PHONE: _____ RECEIPT DATE: _____

If the Club decides to publish a Club Directory,
are you willing to have the above information included? YES OR NO

SIGNATURE: _____ DATE SIGNED: _____

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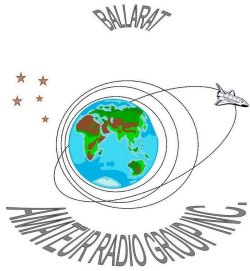
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B.A.R.G. Inc. NOMINATION FORM

Ballarat Amateur Radio Group—Inc # 6953T

DATE: _____

I wish to Nominate _____ CALL: _____

For the position of _____ of BARG Inc.

Nominated by: _____ and _____

Nomination accepted by: (Nominee) _____



B.A.R.G. Inc. NOMINATION FORM

Ballarat Amateur Radio Group—Inc # 6953T

DATE: _____

I wish to Nominate _____ CALL: _____

For the position of _____ of BARG Inc.

Nominated by: _____ and _____

Nomination accepted by: (Nominee) _____