



BARG News

Ballarat Amateur Radio Group
Inc. #6953T
May
Monthly Newsletter

Next Meeting
Friday 27th April 2018 @ 7:30pm

At the B.A.R.G. Club House, Ballarat Airport

All Welcome



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 1218
Mail Centre
Bakery Hill Vic. 3354

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

We're on the web
www.barg.org.au

Presidents Report

I hope members have been making the most of the unseasonably warm weather, either out in the field or in the shack. A number of members are working on building an SWR meter designed by Roger, VK3ADE, with various bits needed to build it up coming in from various suppliers. The George Fowler auction is coming up late May. Always a pleasant afternoon with a range of items up for sale. Have a look around and see if you have some excess to needs gear that others might be interested in acquiring.

A bit of a shorter newsletter this week. We're always interested in member articles. It makes the news letter more interesting for everyone.

Mal vk3cak

5 PW May 2018. A Review.

- P5 This months Contents page.
 - P6 Keylines:
 - P7 Newsdeck
 - P12 Review: Ailunce HD1 2/70cm DMR Transceiver.
 - P16 Review: Leixen VV898 Dual band FM Mobile.
 - P18 Review: The Radioddity GD-77.
 - P23 HF Highlights. DX in the Cold. Mozambique.
 - P26 JOTA Code Oscillator & Bat detector kit.
 - P30 Vintage looks at RT-142, Type 86D, R105 recvr, and the AJAX sets.
 - P34 World of VHF looks at 144MHz FT8.
 - P40 Carrying on. The Simple Sixty [5262kHz.]
 - P44 Data Modes. A New PI and a GPS. Want to Synch your rig ?
 - P47 What Next. BEACONS. What are their uses.
 - P50 Are you interested in our own variable Band Pass Filter.
 - P54 Emerging Technology. New radios and technologies.
 - P57 Digging down into the Reverse Beacon Network.
 - P60 Home made Rotator Controllers.
 - P64 Coronal holes.
 - P68 Hints and tips.
 - P70 Letters.
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Practical Wireless May 2018. Vol 94, Number 1332.



VHF and Above for May 2018

It may be starting to cool down a bit but propagation has continued to surprise us with extended range of communications from 2 metres up into North of Adelaide and down into Tasmania. Over a two day period the Northern Tasmanian beacons on 2m, 70cm and 23cm have all been over S9.

Almost daily VK3AXH has been having a digital contact with VK7MO just south of Hobart at around 650km on 2m. Rex has also been having digital qso's and meteor scatter qso's with VK5PJ in the Barossa Valley north of Adelaide.

With the upsurge in 23cm activity contacts have been made from around Hamilton to VK2KRR at The Rock and some limited detection into Canberra. Our 23cm beacon is back on air but still needs some work.

A microwave test day was held on Easter Monday morning when Craig VK3KG went to Cherry Tree near Linton, Bob VK3BNC, John VK3AIG and Ian VK3AXH went to Mt Buninyong. This was another opportunity to give our gear a shake down with successful contacts with Craig on 3.4G who also managed a contact with VK3MQ on Mt Dandenong which was a great achievement.

John, Bob and Ian had 23cm, 2.4G, 3.4G, 5.7G and 10G. Contacts were made on each band except 10G due to a receiver problem which will be attended to.

Both John and Bob have been testing their 2.4G equipment between their QTH's and have now got things going. It's hope that before the colder weather gets us a field test day can be conducted to make sure it's all working correctly.

Bob VK3BNC has been a busy bee with his home 23cm dish being setup to monitor a beacon from ON0EME in Belgium and has had some recent success. Ian VK3AXH had his azimuth rotary encoder fail which has now been replaced but still requires some dish alignment. However he was able to contact a DXpedition to Mauritius 3B8MB which was a new DXCC country.

Below is an image of what the Belgium beacon looks like. Transmission is on 1296.000 using single tone and CW ident. Transmissions begin once the moon is above 10 degrees for safety reasons.

Remember if you have experienced some interesting aspect of the hobby using the higher bands why not drop a line to VK3AXH or the magazine editor.

The international space station also transmitted some slow scan TV signals which were received by Peter VK3PWG using an APP on his mobile phone and coupling the received audio from his 2m FM rig to get a great picture. Ian VK3AXH also received a sloping picture from another pass as well. The slope being due to synchronising problems.

Till next time 73 de *VK3AXH*

SpecJT by K1JT

Options Freq: 2409 DF: 1138 (Hz) BW < 1 > Speed: 1 2 3 4 5 H1 H2

30 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400

17.21
17.20
17.19
17.18
17.17

11:21:59 -1 dB

WSJT 10.0 r6088 by K1JT

File Setup View Mode Decode Save Band Help

Moon
Az: 314.06
El: 17.06
Dop: -23
Dgrd: -0.8

9.5 Time (s) Mon_180422_112100.WAV

FileID	Sync	dB	DT	DF	W
111700	0	-11	7.7	-592	7 #
111800	0	-10	5.1	-598	5 #
111900	0	-10	7.2	-603	6 #
112000	0	-19	3.6	-603	7 *
112100	0	-10	5.4	-479	6 #

112100 1 2/2
112100 2 3/3

Log QSO Stop Monitor Decode Erase Clear Avg Include Exclude Tx Stop

To radio: ON0EME Lookup
Grid: JO21jg Add
Az: 309 10243 mi

2018 Apr 22
11:21:59
Dsec 0.0

Sync 0 Zap
Tol 50 AFC
 Freeze
 Tx First
Gen Msgs Auto is Off

ON0EME VK3AXH QF12 Tx1
ON0EME VK3AXH QF12 000 Tx2
RO Tx3
RRR Tx4
73 Tx5
CQ VK3AXH QF12 Tx6

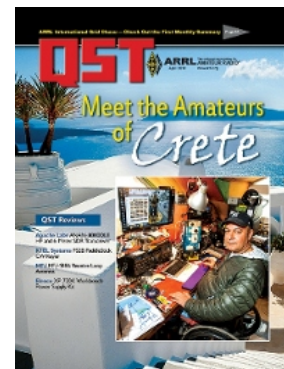
1.0000 0.9999 JT65C Freeze DF:-473 Rx noise: 0 dB T/R Period: 60 s Receiving

HF Net Controller Roster - 2018

DATE	OPERATOR	NAME	ALT	OPERATOR	NAME
This Roster Devised 29 December 2017					
26-Apr-18	VK3YFD	Ian		VK3KQT	David
3-May-18	VK3KQT	David		VK3KG	Craig
10-May-18	VK3KG	Craig		VK3GGG	Mick
17-May-18	VK3GGG	Mick		VK3DRE	Doug
24-May-18	VK3DRE	Doug		VK3AXH	Ian
31-May-18	VK3AXH	Ian		VK3YFD	Ian
7-Jun-18	VK3YFD	ian		VK3KQT	David
14-Jun-18	VK3KQT	David		VK3KG	Craig
21-Jun-18	VK3KG	Craig		VK3GGG	Mick

3 QST April 2018.

- P4/5 Contents page.
- P9 Second Century looks at Advacing Amateur Radio, together.
- P13 Member Spotlight: NancyYoshida KG0YL.
- P24 Correspondence on wide list of topics.
- P30 A Vertical Antenna for 160Meters. Uses your tower to load up.
- P33 Portable Two Element Yagi for 6 Meters.
- P36 An Ultra Simple 2 Meter Antenna. Uses two wire coat hangers.
- P38 Personal Space Weather Station. See a number of web sites listed.
- P42 Review: Apache HF & 6 M SDR Transceiver. ANAN-8000DLE.
- P49 Review. K1EL System paddle stick CW Keyer.
- P50 Review. MFJ-1886 HF Receive Loop Antenna.
- P52 Review. Elenco XP-720K Workbench Power supply
- P54 Keep your Transmitted Signal from Damaging your Receiver.
- P56 Eclectic Tech looks at New software for Kbd to Kbd contacts
on 630 & 2200 Meters.
- P57 Microwaves.Look at Parabolic Dishes.
- P59 Hints & Kinks. Threading PL259 plugs.
HTT Holder.
MFJ 452 Keyer mods.
Cocoa Tin enclosures.
Radial Ring Claw[for vertical ground radiators.
- P62 The Inventory List. Well worth reading about how you will leave yourshack
And gear for family when you are SK.
- P64 CRETE. Amateur radio in the Mediterranean Sea.
- P73 Handing out Kosovo. The latest DXCC entity.
- P79 Canadian Amateur finds Resurrected NASA Satellite.
Same page WIA seeks Amateurpower increases from
ACMA.
- P80 Public Service: ARES training for Medical Helicopter
Evacuations.
- P82 Classic Radio. The DRAKE 2-C Receiver from late
1960's.
- P92 Hows DX? 6060 a Two –Man Dxpediton to Somalia.
- P94 World Above 50 MHz. Tropo Propagation & Skew-T
Log-P Diagrams.
- P100 75, 50, and 25 years ago. The index.
- P142 QST Index of Advertisers.



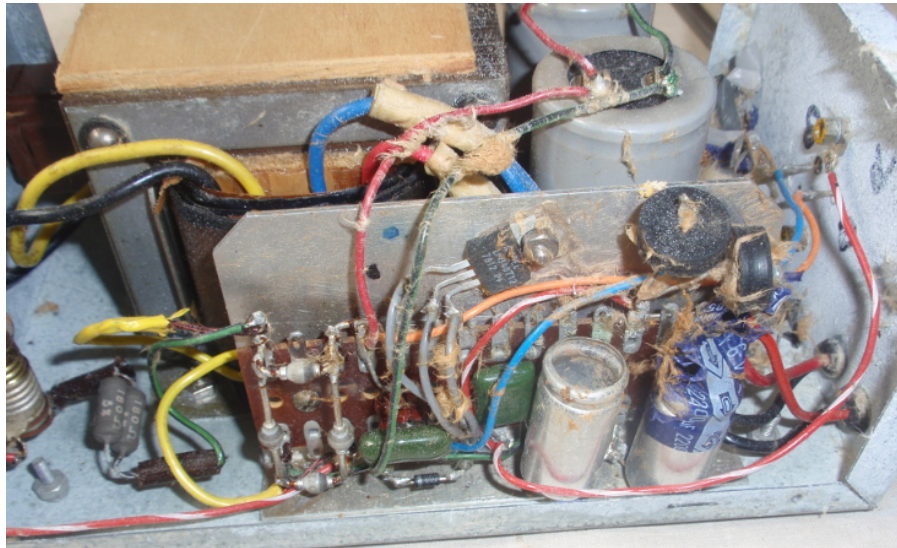
Donated Power Supply

I recently picked up some gear from a deceased estate that had a range of old stuff, that mostly would have been nice kit in it's day, but that day had long past. In the amongst the kit was a home brew power supply that looked well built a weighed a bit, so thought I'd give it a try.



Plugged it and turned on but the power indicator didn't light. Powered off at the wall, toggle the front switch and try again at the wall, still no light so thought I should open it up and check inside. This is what I found, and was glad I was being careful to not touch the case on power up.

Just shows it pays to be careful with second hand gear, particularly power supplies.



Malcolm
VK3OAK

