



Founded 1979 Incorporation No A6677 P.O. Box 692, Shepparton 3632

Repeaters VK3RGV Freq: 53.725MHz (1 meg offset) -146.65MHz(IRLP Node #6992) (600 kHz offset) - 439.775MHz (5 MHz offset) - 438.2MHz (D-Star) [D-Star not operational at this time]
Access to the analog repeaters is by sub-audible 123 Hz tone or noise mute (less sensitive).

Club Network informal on air get togethers. All welcome. Club callsign VK3SOL:-
Wednesday - 3.62 MHz ± interference 7.00pm, 2mx repeater 8.00pm

Meetings are held at 1pm on the first Saturday of the month (except January when no meeting occurs) at the Mooroopna Scout/Guide Hall off Echuca Road, Mooroopna. Variations in these times and days are normally notified in the preceding newsletter. Website – www.sadarc.org

DISCLAIMER. No guarantee is given as to the accuracy of information in this newsletter. Warning:- There is a danger of electrocution or injury when working on electrical/radio gear. You do so at your own risk.

President:- Greg Keegan	VK3POP	gregkgn@gmail.com	
Secretary:- John Waters	VK3PXJ	glengordon@bigpond.com	
Vice-President:- Barrie Halliday	VK3KBY	Treasurer:- Ron Burns	VK3COP
Membership Sec :- Pat O'Shannessy	VK3OV	Webmaster:- Dallas James	VK3EB
Station Manager:- Ian Ward	VK3CHV	Publicity Officer:- Peter Rentsch	VK3FPSR
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Newsletter:- Peter VK3FPSR & Rodney VK3UG		rodlynn6@bigpond.com	

Newsletter July 2015

Acting Editors Ramblings

Firstly, my apologies for the lateness on the Newsletter. Family health issues with parents never cease to amaze me as to how demanding they are of your time and your head space. All will be well in the end.

I have also been away on leave and this exacerbated the issue. I noticed when I returned that Brian VK3HBW had become a silent key. Brian has had health issues for some time now as a result of his Military Service. We will miss his comments concerning his opinion of Australian Rules Football and its contribution to society.

As mentioned earlier in my ramblings Karen and I have been away for 10 days. Part of that 10 days was visit to GippsTech which is held at Federation University in Churchill , about 10k from Morwell. Some of you will ask 'what is GippsTech'. To put it simply, GippsTech is a gathering of Amateur Radio enthusiasts from all over Australia and New Zealand who have an interest in operating on the 23Mhz band and above.

The weekend started with an informal dinner on the Friday evening followed by registration and sessions on Saturday. The event consists of a series of talks/lectures/presentations by various amateurs from throughout Australia. It is held at the University so and excellent Lecture Theatre is the main learning centre. Saturday night is a more formal dinner followed by more presentations on the Sunday morning. I did say that Karen and I attended. Karen did not sit in on the Lectures but a bus trip with the other ladies on the Saturday and Sunday filled in her time.

Below is list of the topics covered:

0930	David Rowe VK5DGR	Advanced VHF Digital Voice using Codec 2
1030	Coffee break	
1115	Rex Moncur VK7MO	Crossing the Bight – 10 GHz Terrestrial World Record
1215	Lou Blasco VK3ALB & David Learmonth VK3QM	3.4 GHz transverters from surplus link gear. <i>Ed Note – These came from Geoff Angus</i>
1245	Alan Devlin VK3XPD	GPS-locked beacon project: an update on outcomes
1300	Lunch	
1415	Damian Ayres VK3KQ & Ralph Parkhurst VK3LL	The LL/KQ Electronic Compass Rotator Controller
1500	Richard Gipps VK3ZCL	Band-stop filters with P-Syn
1520	Coffee	
1600	Roger Harrison VK2ZRH	Australian amateur radio 2015: challenge and change.
1630	Julie Gonzales VK3FOWL & Joe Gonzales VK3YSP	The Melbourne Amateur Radio And Technology Group (MARTG) entry into the 2015 Global Space Balloon Challenge (GSBC)
1730	Russell Lemke VK3ZQB	CNC mill construction
1900	Dinner at Morwell Club, Helen St, Morwell. Link to location below.	
	Sunday	
0830	Doors open	Coffee/tea available. Material for you to make your own toasted sandwiches available at nominal cost to cover the ingredients.
0900	Glen English VK1XX	SDR technologies and the weak signal user
0945	Rex Moncur VK7MO	Extreme grids on 10 and 24 GHz
1030	Coffee	
1100	Doug McArthur VK3UM	VK3UM Software additional features
1145	Rex Moncur VK7MO	VHF to Microwave Developments with WSJT-X
1215	Roger Harrison VK2ZRH	My name is Roger and I'm a VK Classies-aholic!
1245	Justin Giles-Clark VK7TW	A novel Az-El mount
1300	Lunch & Raffle draw	

As you can see some of the topics are quiet technical in their content but as an F call I still gained a lot from the weekend. Not all the lectures were at a level that was too technical. One of the most enjoyable lectures that would apply to all amateurs was presented by Richard Gipps VK3ZCL on Band stop filters with P-Syn.

P-Syn can be found at <http://www.gipps.id.au/> and go to the menu item for P-Syn. P-Syn has a schematic display which allows component values to be changed and the circuit responses are automatically updated.

You will also see that one of our members Geoff Angus donated to the Geelong Amateur Radio Club some 3.5GHz subscriber transceivers.



These are suitable for conversion to 3.4GHz transverters. The converted units will work with a low power 70cm radio. The conversion will take about 8 hours to complete.

Three complete transceivers are required to make two transverters. This is because parts must be recovered from one unit to complete the conversion of the other two. While this may seem a little wasteful, the resourceful ham will no doubt be able to use some of the remaining parts from the third unit in other projects. It is recommended that two people get together and modify two panels sharing a third panel to complete the conversions.

Transceivers are available from the Geelong Amateur Radio club in lots of three at a cost of \$50 (Buy two, get one free) This information was

taken from the GARC Website and I wish to acknowledge them for that. More information on this project can be found at www.vk3at1.org including documentation on how to carry out the project.

The worst part of the weekend was the weather, it was cold and wet most of the time, didn't worry me too much but messed it up for the ladies. Will I attend next year – definitely yes.

Minutes from the meeting held Saturday 4th July, 2015.

Meeting opened 1/15pm

Apologies' were Andy Ashley ,VK3FJHM JOHN ,VK3 FALN ALLAN ,VK3JNC IAN ,VK3DSF MAX ,VK3BEG BOB,BILL CROCKER ,VK3ZNA GEOFF

Present were VK3COP RON VK3POP GREG VK3PXJ JOHN ,VK3 OV PAT ,VK3ZE HUNTLY ,VK3AO ALLAN ,VK3KBY BARRIE, VK3FPSR PETER ,VK3UG RODNEY, VK3ELV PHILL , VK3BPH KEVIN ,VK3CHV IAN,VK3GMB WAYNE

Inward mail account from Scout committee for rent for hall, moved Kevin vk3bhp that the account be paid seconded by Huntley vk3ze.

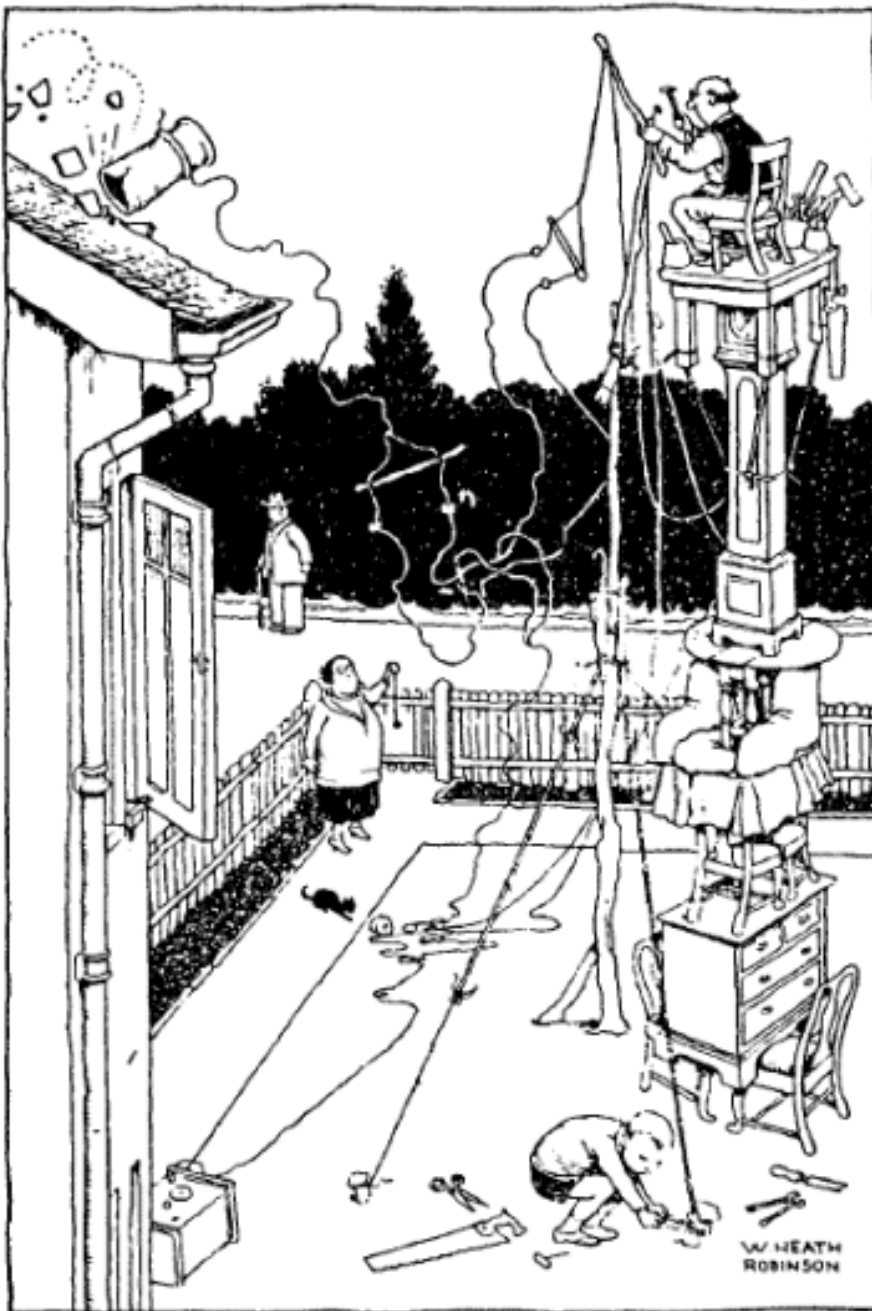
Financial report presented by Ron vk3cop ,moved by Ron that it be accepted, seconded by Allan vk3ao

Ron vk3cop ,spoke on his motion to remove Southern Cross Austerio from Mt Wombat, ammended motion moved by Kevin vk3bph

That Rons motion lay on the table, until we receive further imformation, seconded by Rod vk3ug,carried

Huntley VK3ZEmoved a motion authorising, Greg VK3POP and Barrie VJK3KBYto ,go to a solicitor to seek legal advice on our behalf seconded Barrie VK3KBY ,carried

Meeting closed 2/30pm



Erecting a new Antenna
See you Saturday 1st August at 1.00pm