



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

VK3RGV repeaters and transmitter operating frequencies

53.725MHz (-1 MHz offset), **In Service**
146.65MHz (-600 kHz offset), **In Service**
438.2MHz (-7 MHz - offset -D-Star), **Off-air (to be re-installed) ***
438.650MHz (-7 MHz offset and 91.5 Hz tone access only), **In Service**
438.900MHz (-7 MHz offset- DMR repeater), **In Service**
439.775MHz (-5 MHz offset), **In Service, IRLP (node #6990)**

Access to most analogue repeaters is by sub-audible 123 Hz tone or noise/carrier mute (less sensitive).
Club informal on air get togethers - Wednesday evenings. All welcome. Club call sign VK3SOL:-
2mx repeater 8.00pm 146.650 MHz, 3.63 MHz SSB ± interference 8.30pm.

Meetings are held at 1 pm on the first Saturday of the month (except January when no meeting occurs)
at Vision Australia, Channel Road (just off the southern end of Archer Street), Shepparton.
Variations in these times, days and location are normally notified in the preceding newsletter.

Website – www.sadarc.org Face book - www.facebook.com/sadarc.org
Info for the page contact - Denny French on denny3782@gmail.com

Note: Want to get your licence? SADARC has examination assessors, contact the secretary for details.
The vintage radio club (including many SADARC members) have a sked at 11.00am Sunday on the
2 mx repeater.

The following repeaters do not belong to our club but provide good signals for many members.
Mount Major VK3RDU repeaters and TX operating frequencies, 146.850 MHz and 439.875 MHz
UHF CB Repeater WBT03 Mt Wombat Channels 3- 33, 476.475 MHz, In Service 21/05/2019
(*) This service will be back on air as soon as practical.

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 or working
at heights doing antenna work. You do so at your own risk.

President: - Peter Rentsch	VK3FPSR	peter@rentsch.com.au
Secretary: - Andy Ashley	VK3AJA	vk3aja@wia.org.au
Vice-President: - Barrie Halliday	VK3KBY	
Treasurer (acting): - Andy Ashley	VK3AJA	vk3aja@wia.org.au
Membership Sec (acting): - Andy Ashley	VK3AJA	"
Webmaster: - Ray Gardner	ray@etheira.net	VK3YNV
Publicity Officer: - Vacant		
Communications Managers (External Events):- Bruce (VK3PNF) 0427 715 663 & Darren (VK3HEN) Glasson		
Tech. Committee: Geoff VK3ZNA, Ray VK3YNV & Rodney VK3UG		
Newsletter: - Rodney VK3UG (Editor)	rodlynn6@bigpond.com	Peter & Andy (Printing/ Distribution)

Vale:-

It is with sadness I read in *Shepparton News* today 21st May that Norma Mathey (aged 84) from Wanalta had passed away on the 17th May. Her passing was sudden and unexpected.

Norma, whilst not an amateur, was a member of SADARC along with Max her husband and was the licensee of the UHF CB repeater (which our club has maintained for a few years). She was a keen user of the repeater and users of that repeater will be saddened by her passing. Without her input it is likely that this repeater would have gone the way of many of the UHF CB repeaters and ceased to operate. Norma will also be remembered for the afternoon teas she provided for SADARC meetings several years ago.

Max has advised me that Norma's funeral will be at 11 am Friday 24th at the Presbyterian Church in Rushworth. Max's address is 134 Reid Road, Wanalta, 3612. Our thoughts are with Max at this time.

Rest in peace Norma.

Presidents Report May 2019.

A great roll up again for our May Meeting. We tested out the BBQ and the facilities for the first time and in my opinion it all worked very well. The new venue seems to be working very well in all aspects so far.

After a brief meeting some of our members ventured up to Mt Wombat for a look at all the work that has gone on up on the hill. It was most interesting to see all the work that has occurred and it looks very professional. We are well on the way to having one of the best repeater setups for the State and the geographical location is excellent. Well done to all those that have been involved in any way in getting this site up and going.

Don't forget members that we are involved in setting up a station at the Echuca Steam Rally on the Long Weekend in June. This is a great event and well worth a visit even if you do not want to talk on the Radio. The event runs both Saturday and Sunday and the more operators we have the better.

Please also note that **Membership is due again on the 1st July**. Andy has included with this news letter a Membership Renewal Form so please fill it in and return it to Andy at your earliest convenience.

If you use IRLP you will now note that our node is linked to the Grampians Statewide Repeater Net. I have arranged for Nic VK3BA to be guest speaker at our June meeting and he will explain what has been involved in establishing the linked repeater system and how it all works and he will also show us how to operate IRLP.

As the BBQ worked so well last time I thought it might be good if we had another one at this meeting. The social chit-chat that occurs is great to see (and hear) and as we have such a great cook as Bruce available to us we may as well take up the opportunity. This leads me to thank Bruce for his work with the Club. Not only does he cook most of our BBQs he also puts in a great effort with Echuca Steam Rally and also the Murray QUAD. Thanks Bruce.

That's it for this month and I look forward to seeing you all on the 1st June.

Peter – VK3FPSR President – SADARC

Calendar

1st June – BBQ at 11.00 am followed by our regular meeting at Vision Australia with Nic VK3BA talking on the Grampians IRLP Link.

9th & 10th June. Echuca Steam Rally

6th July - Regular Meeting at Vision Australia

3rd August – Regular Meeting at Vision Australia

Meeting Minutes Sat 4th May 2019 Club Rooms, Shepparton.

Meeting started 1:00 pm. Min. Taken by Andy Ashley VK3AJA Secretary.

In Attendance were; Alan VK3FALN, Graeme VK3PGK, Peter VK3ASK, Geoff VK3ZNA, Huntly VK3ZE, Dallas VK3EB, John VK3KJB, Pat VK3OV, Dennys VK3ZYZ, Bruce VK3PNG, Darren VK3HEN, Kevin VK3BPH, John “Stevo” Stevens, Greg VK3POP, Ray VK3YNV, Josh, Peter VK3FPSR, Andy VK3AJA.

Visitors; Ross VK3ZNR, Col VK3GTV.

Apologies; Geoff Russell, Rodney VK3UG, Barrie VK3KBY, Alan VK3AO, Max VK3DSF.

Minutes of last meeting read by Peter, Moved by Kevin, Second by Geoff. All agreed.

Inwards correspondence; Email from Scouts re antenna towers removal.

Outwards Correspondence; None

Kevin has moved that we setup Bendigo Bank everyday account using 3 signatories.

These will be, Peter Rentsch VK3FPSR (President)

Andy Ashley VK3AJA (Secretary)

Barrie Halliday (Vice President)

This was second by Huntly and all agreed. Andy will provide details to Bendigo Bank.

Reports;

Financial, Read by Andy. Moved by John, second by Peter S. All agreed.

Tech, Read by Ray. Updates on repeaters were provided. Moved by Geoff, Second by Huntly. All agreed.

Hamfest, John has reported one table is booked at this early stage,

Steam Rally, Bruce has provided info. On Echuca Steam Rally event. And has gate passes organised.

Murray Quad, Bruce has reported Tim would like SADARC to provide radio coms again this year, this was moved by John, second by Darren All agreed.

General Business;

Ray has mentioned Denys’s Oscillator project and will start adding any other projects to webpage.

Peter s. has mentioned visit by Vision Australia. And we should remove old BBQ, This was done straight after meeting. Thanks Kevin.

Andy has mentioned he forgot to advise Shepp News of our new Clubroom Address, will chase it up. Ooops!

Andy will also advise WIA of our new email accounts @sadarc.org.

Andy will be sending WIA the list of members for our insurance. (has been done)

Peter has mentioned that the IRLP node is now connected to VKLINK room. This was moved by Darren, second by Graeme, all agreed.

Andy will email SADARC membership forms shortly. As he is now managing it.

Meeting closed at 1:29 pm.

Repeater News

- Our compliment of repeaters is now almost complete with only the D-Star yet to be recommissioned. The information in the newsletters is intended to inform members what repeaters are installed on Mt Wombat and their general operating criteria. Additionally items will appear which will give members an idea on what they need to do to access the new repeaters particularly the digital repeaters - DMR and D-Star.
- Ray has set up the IRLP so that we are linked by default to the VK Repeater network on 9503. You can check what other repeaters we are linked to from this link.
<http://status.irlp.net/index.php?PSTART=11&nodeid=9500>
Anyone can still use the IRLP to link to wherever they like by disconnecting from 9503 (just send 73 on DTMF) and re-linking to wherever they wish as normal. When they finish and disconnect, or the link times out through inactivity. The node becomes idle (20 minutes of inactivity will automatically disconnect). Every 10 minutes the IRLP software checks if the node is linked and if it's not linked, and then we automatically reconnect to the VK repeater network on 9503. This is subject to members agreeing that is the way the IRLP should continue long term.
- One question recently asked was why several repeaters on UHF have splits of 7 MHz rather than the 5 MHz split we have been used to. This split is the new ACMA split for UHF (400 MHz) repeaters to allow more economical use of cavity resonators, better physical use of space, easier tuning of the cavities, and allows more repeaters to use a common antenna system. When we have all three 7 MHz split repeaters operating they will be using the one antenna array consisting of one antenna for the receivers and one antenna for all of the transmitters. The next paragraph explains this a little further.
- The VK3RGV DMR repeater is now installed and operational on Mt Wombat courtesy of the Shepparton & District Radio Club. Many thanks to Peter VK3TE for supplying the equipment and setting everything up. The Motorola DR3000 DMR (repeater) is connected via a 3 port combiner to a dual 2 bay binary array (separate tx/rx) located near the top of the tower. Initial tests show similar RF coverage to the existing analogue repeaters although it has a bit of a dead spot in the Shepparton area.
- The repeater is on 438.900 MHz offset -7.000 MHz.
Some links:- <http://vkdmr.info/> <http://xe.vkdmr.net/ipsc/>
<https://www.facebook.com/groups/743300879089972/>



The three port combiner



Motorola DR3000 Digital Repeater

- After the meeting on 4th May, several members travelled up to Mt Wombat to inspect the repeater site. Some were surprised how small the hut is (accommodates about 1.5 people) and were impressed with the layout of the equipment. Some of the photos taken of the installations are shown above and have been seen in recent newsletters. The site originally was only intended to house one repeater 146.650MHz , but now houses two VHF repeaters, two (three with Dstar) UHF repeaters, one UHF CB repeater, three SHF links and a 900 MHz service. The photos are courtesy of Ray VK3YNV.



Views from the top of Mt Wombat towards Shepparton and a view of the tower and antennas.

- Geoff VK3ZNA reports that the new 6dB antenna for the two metre repeater has arrived and it is expected to be installed by the end of June – weather permitting.

Editor's Ramblings

- Ray VK3YNV has advised me that you will see information on some of the projects that he and Denyse VK3ZYZ have been playing with on the SADARC website. Go and have a look. One project that Ray is doing the final touches on it a VHF/UHF diplexer. This will allow a VHF/UHF transceiver to connect to separate VHF and UHF antennas, or to connect a VHF transceiver and a UHF transceiver to a combination VHF/UHF antenna.
- **Remember the BBQ commencing around 11 am 1st June.**