

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



**Shepparton & District Amateur Radio Club
and Electronics Club**

September 2024 Newsletter

Next Meeting Saturday October 5th.

SADARC COMMITTEE

President:- Peter Rentsch – VK3AXI

Vice-President:- Barrie

Halliday - VK3KBY

Secretary:- Rob Hose - VK3BLD

Treasurer:- Ian Saunders – VK3YYY

Membership Sec:- Ian

Saunders - VK3YYY

Assistant Secretary:- Peter Rentsch - VK3AXI

Webmaster Graeme Martin - VK3VSM and Ray Gardiner – VK3YNV

Hamfest Co-ordinator:- Peter Rentsch - VK3AXI

Newsletter editor: - Peter Simpson – VK3ASK

Technical Committee: Geoff VK3ZNA, Ray VK3YNV, Denys VK3ZYZ, Josh Gardiner, also power to co-opt.

To contact any member of the committee above, email committee@sadarc.org and specify who you wish to communicate with and the subject.

If you have items for the newsletter, forward to: newsletter@sadarc.org

Communications Manager (External Events): Darren Glasson (VK3HEN) – subject to confirmation.

Meetings the first Saturday of the month from 10 am for Arduino training, plus informal chats and technical talks. A BBQ follows (a gold coin donation). Main meeting 1 pm (except January when no meeting occurs) at 360 Health Centre, 18 Channel Road (250 metres from Archer Street), Shepparton.

Variations in these times, days and location are normally notified in the preceding newsletter.

DISCLAIMER: - No guarantee is given as to the accuracy of information in this newsletter. E.
& O.E.

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.

25/08/2022

VK3RGV repeaters and transmitter operating frequencies from Mt Wombat

53.725MHz (-1 MHz), **In Service** 146.65MHz (-600 kHz), **In Service**
438.2MHz (-7 MHz -D-Star), **In Service** 438.650MHz (-7 MHz 91.5 Hz
tone), **In Service**
438.9MHz (-7 MHz - DMR), **In Service** 439.775MHz (-5 MHz), Now back
in service, IRLP (**node #6990**)
476.475 MHz (+750 kHz) CB Repeater WBT03 Channels 3- 33, **In Service**
VK3RDS, 438.7625 MHz (-7 MHz DMR) **Shepparton on test @ VK3YNV**
QTH

The three following repeaters are not the clubs but are allied to the club
in one way or another.

Mt Major VK3RDU, 146.850 MHz,
439.875MHz. Mt Bruno VK3RWC 147.325 MHz (-1.6 MHz 123Hz)

Access to most analogue repeaters is by sub-audible 123 Hz tone or
noise/carrier mute (less sensitive). Your TX offset is shown in brackets

Club informal on air get togethers, all welcome. Club call sign
VK3SOL:

Wednesday- 2mx repeater 146.65 MHz 8.00pm.

3.63 MHz SSB ± interference 8.30pm,

Sunday – 2 mx repeater 146.65 MHz 2 pm & 8 pm

The Vintage Radio Club – 2 mx repeater 11 am

A number of semi-private HF skeds take place either daily or weekly, locally or
further afield.

Website – www.sadarc.org or www.sadarc.org.au Face book Page – Shepparton and District Amateur Radio Club Direct Link: <https://www.facebook.com/groups/481867453084459>

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Next Meeting

The next SADARC meeting will be back at our regular club room, 18 Channel Road Shepparton (360 Health)

This meeting is back to our regular format, with Arduino from 10am with Denys, Ray and Josh.

11am General chat and catch up

12pm BBQ lunch

1pm, our regular meeting including the results of the hamfest, the man behind the mic, Rob VK3BLD.

Also the usual show and tell of equipment and projects.

Diary Dates

October 5th: Regular club meeting at 360 Health, Man behind the Mic is Rob, VK3BLD, Also Arduino at 10am.

November 2nd, Regular meeting at 360 Health, details in the next newsletter.

December 7th, Xmas breakup function, probably at the Royal Mail Hotel – MOOROOPNA, to be confirmed at the next meeting.

Presidents Report – September 2024.

Ladies and Gentlemen, could you please stand and give yourself a pat on back. Well, what for you may ask? To me it is very obvious, a Hamfest well executed.

Thank you to everyone that helped on the day, the setup team, the raffle ticket sellers, the door keepers, the clean-up team, the food providers including the cooks who made something for us to consume and anybody else from the Club who helped in any way. To me it all ran very smoothly without any major hiccups. There will always be things we can do better but all in all it ran very smoothly. Reports I heard back were good and people had a good day.

Perhaps some food for thought for next year. We change it from a Hamfest to a Radiofest. The reason being is we are trying to increase our numbers and by using the word Hamfest we subconsciously exclude other styles of communication including CB.

If we become more inclusive in our event title, we will attract more vendors and more people through the door. Some CB'ers may even have a spark of interest ignited and investigate the Amateur Radio scene. We should always remember it is primarily a Hamfest but too broaden our horizons is beneficial to all.

That's it for this month and I look forward to another great day on the 5th October.

Cheers,

Peter Rentsch
VK3AXI
President

Minutes from September 7th, SADARC on air meeting

Unfortunately, our secretary had computer problems on the day of the meeting and was not able to register attendees, or take minutes.

It would seem that the major topic for the meeting was preparation for the hamfest and as you can read in this newsletter, all went very well on the day.

Below are the major topics from the August minutes, which can be discussed and finalized at the October meeting.

Technical Report:

VK3YNV Ray reported that we lost our internet connection on Mt Wombat. This was due to our data limit being exceeded. He has changed the SIM to Vodaphone, and we will only have the speed reduced if we exceed our limit. This will not be a problem since we only need a slow service. The URLP repeater will be returned to service on the next visit to Wombat. Ray Moved that the Technical Report be accepted. Seconded by Geoff VK3ZNA. All in favour.

General Business:

we should go ahead and purchase the Bunnings BBQ. Seconded VK3JSD Stevo.

More details at the October meeting.

Bunnings Sausage Sizzle:

Ray reported on the Sausage Sizzle at Bunnings. We are scheduled for 29th December from 9am to 4 pm. We will need 8 people to help out, and we will need shift rotation to cover the whole event.

Editors Comments

As stated by our president, we would all have to agree that the hamfest on September 8, was a great success, well attended and Was certainly supported by many members of the club, well done everyone.

Below are some stats on the hamfest, plus photo's

As most would be aware, Ray VK3YNV, wrote a thorough and comprehensive application to the Shepparton Connected Communities Board, requesting a grant to cover the upgrade of our 2mx receive antenna at Mount Wombat.

Unfortunately, this request was rejected this time around, but there is no reason why the club cannot re-submit their application for the next round in early 2025. At our next meeting I will give the club an update on the grants process and how recipients are selected.

Peter Simpson
VK3ASK

Hamfest 2024

Our Hamfest on September 8, turned out to be a great success and was enjoyed by many.

We had 169 people come through the front door, a great turn out.

We sold 26 tables for the day, plus some tables for the club.

Jack and his team of ladies did a fantastic job with the food, I like many thoroughly enjoyed my hamburger with the lot.

Thanks also to Jaycar, who donated some great prizes for us to raffle on the day.

**These 2 members made
Sure that everyone paid**



Oh That food, Delicious



More of the great food.



Peter Clearing out the shack



Time to eat and chat



The Denys ZYZ VFO



Letter of appreciation from Lyn Champness

When our dear friend, the late Rod Champness VK3UG, passed away 2 years ago, he left his wife Lyn with a shack and shed full of radio gear and magazines to be sold or removed.

Lyn sent Ray VK3YNV a message to be passed on to club members, thanking them for the amazing effort in clearing out the areas, plus making sure the equipment and journals all went to good homes.

Below is her message, over to you Lyn.

Dear Ray

Could you please pass on my grateful thanks to all those who assisted me with clearing my garage and shed of the remainder of Rods gear. It has been amazing how I have been assisted by the Club and I am so appreciative of the help and support and kindness. I know Rod would be so grateful too.

I am also thrilled that his books and writings will be in a Rodney Champness Memorial Library.

Sincerely

Lyn Champness

Log Books for discussion and possible Sale at our next meeting

VK3YNV Ray's daughter does Amazon print on demand books, so he asked her to do an amateur radio log book. She is happy to do it for nothing, so the books are available at cost.

The base price is \$5 per book, and \$2 postage, postage, possibly less if ordered in bulk.

Ray has suggested we can sell them for \$10 and make a dollar or two for the club.

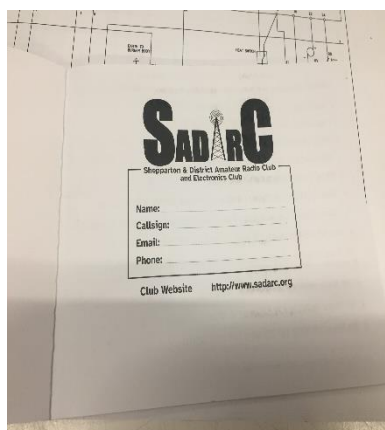
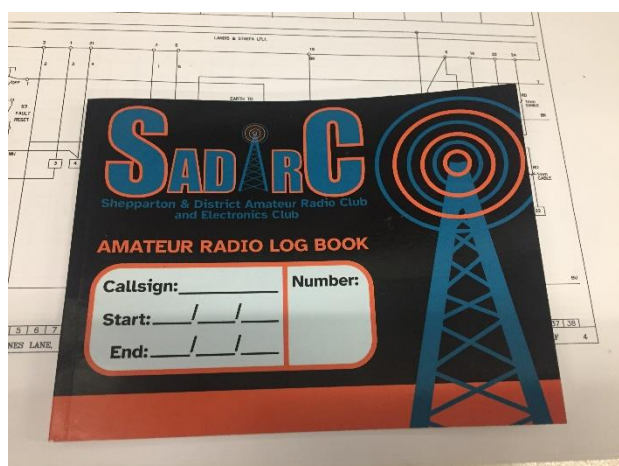
He wanted a small format A5 book, and tried to keep it as minimalistic as possible, with a generous section for comments.

His preference would have been for a spiral bound book, that laid flat, but Amazon don't offer that as a binding option.

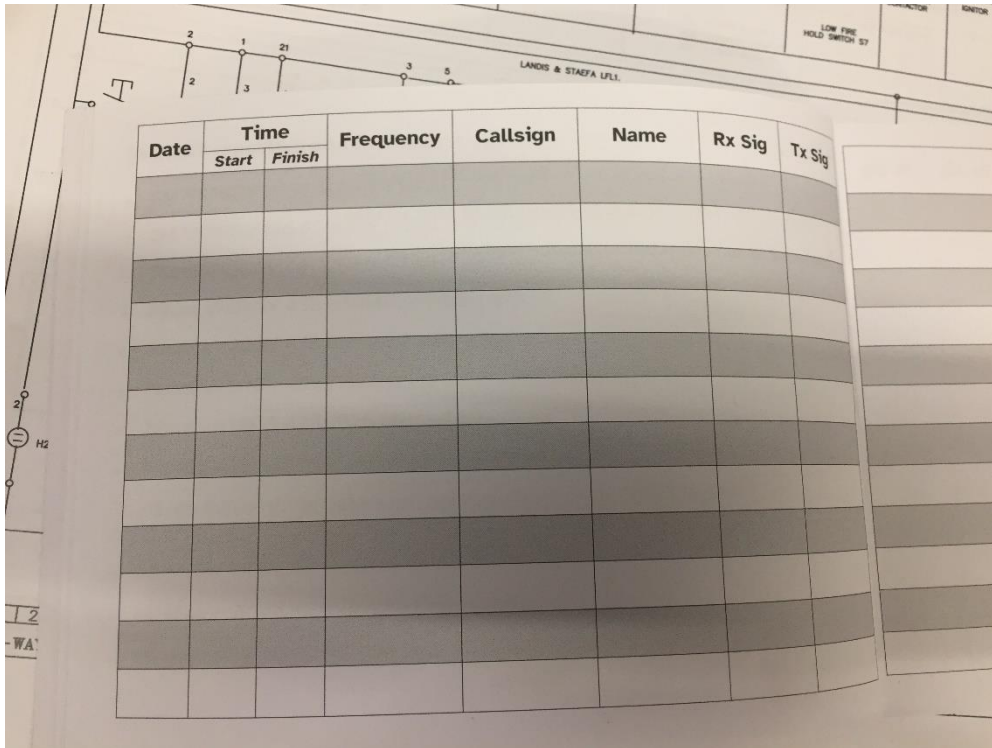
Ray would welcome feedback on the design details at our next meeting, so we can do a version II in the future.

This could be a great fundraiser for the club, if we get enough orders, so it will certainly be a topic for discussion at our next meeting.

Log Book Design



Log Book Design



The magic of ¼ wave matching sections submitted by Ray, VK3YNV

Suppose we want to match an antenna that has

A feed point impedance of 300 Ohms to 50 Ohm Coax

The $\frac{1}{4}$ wave matching section impedance can be calculated

As follows, multiply the input and output impedances together and take the square root, that's the impedance of the matching quarter wave section.

The full details regarding this project can be found on the link below.



QuarterWaveMagic.
pdf

Ray VK3YNV

Merrigum Car Show October 20th

Our secretary Rob VK3BLD tells me that the Merrigum Car Show is to be held on Sunday October 20.

Kevin VK3KFM will be there on the day, displaying his trailer with the pump up mast.

Maybe a good idea for some members to go along if they would like to set up a demonstration of Amateur Radio.

If you need more information, talk to Kevin, or Rob at the next meeting.