

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



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

July 2024 Newsletter

Next Meeting Saturday August 3rd.

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 & Robert VK2RK – 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 held on Saturday August 3rd, at our regular clubrooms, 18-22 Channel Road. Note this is no longer Flexible Learning, the property is now 360 Health.

The format for the next meeting is as follows;

- 10am Arduino course with Denys VK3ZYZ, Ray VK3YNV and Josh.
- 12.00 BBQ Lunch.
- 1PM Club meeting, Hamfes plans, plus Man behind the Mike, this time Geoff, VK3GSR.

Diary Dates

August 3RD; Regular meeting and Man behind the Mike. Geoff VK3GSR
September 7th; Regular meeting at club rooms, may be cancelled as Hamfest is the next day.
September 8th; Hamfest
October 5th; Regular club meeting.

Presidents Report July 2024

The work and enthusiasm for what we do as Amateur Radio and Electronic hobbyists is really starting to come through to our community. Jaycar are more aware of us and think of us first when a client of theirs needs help. This is what we are about. Expanding and growing.

At our last meeting we had the highest attendance of any meeting that we have had in the nearly 15 years that I been associated with the Club. Not only did we have a great attendance, we also picked up three new members as well. I was a little frustrated that the meeting went for as long as it did, but we did have to cover business from two meetings. So, thank you to all those who attended and helped make the day a pleasant experience.

Thanks to Mark MFE for his talk on his work. We walk into the Supermarket and by a tin of peaches and never give a second thought about what goes into making that can. The process of keeping the fruit safe in our pantry in a container with such a small join of two surfaces was quiet eye opening to me as I have very little knowledge of engineering processes, but I love to learn and hear about them. Thanks Mark.

Our next meeting will be dedicated to arranging and fine tuning the Hamfest. There are many tasks to be done but as we have done it a few times before most of us have a reasonable idea of what is needed. Effectively this will be our last meeting prior to the Hamfest as our September meeting is the day prior.

Can I suggest we don't have a meeting in Shepparton the day prior but have a meeting on air like what we did during COVID. This would allow those who travel long distances to only have to commute on one day. (it is not just me, there are others like Les and Adam who have a distance to travel) Please, have a think about this and we will discuss it at our next meeting.

That's it for this month and I look forward to another great day on the 3rd August.

Cheers,

Peter Rentsch
VK3AXI President

Minutes from July 6 SADARC Meeting

In Attendance: VK3AXI Peter, VK3BLD Rob, VK3YYY Ian, VK3ZYZ Denys, VK3ZNA Geoff, VK3GSR Geoff, VK3MFE Mark, VK3VSM Graeme, VK3ELV Phil, VK3FALN Alan, SWL Josh, VK3OV Pat, VK3YNV Ray, VK3JSD Stevo, VK3EB Dallas, VK3TJS Jacek, VK3KBY Barrie, VK3ASK Peter, Bill Crocker SWL VK3KUG Ray, VK3BF Allan, Jason VK3NQS, VK3KFM Kevin.

Guests: VK3ASS Allan Scott, VK3CKC Kevin Crocket, VK3MEE Trevor Ryan.

Apologies: VK3TEX Les, VK3JKN Jim, VK3DQS.

President Peter opened the meeting at 13:00.

The minutes of the previous meeting were included in the newsletter.

VK3ASK Peter Moved the minutes be accepted as read. Seconded VK3YYY Ian. All in favour.

Correspondence:

Treasurers Report:

Tabled by Ian VK3YYY.

Ian VK3YYY moved that the treasurers' report be accepted. Seconded VK3FALN Allan.

All in favour.

Technical Report:

VK3YNV Ray reported about problems with the IRLP repeater locking on transmit. It is on the workbench at Ray's home and has not failed so far.

Ray Moved that the Technical Report be accepted. Seconded by Geoff VK3ZNA. All in favour.

General Business:

Peter VK3ASK proposed we purchase a new BBQ. Seconded by Geoff VK3ZNA. Ray moved that Peter and Stevo investigate the purchase and report back to the Club.

Graeme VK3VSM has produced a business card promoting Amateur Radio. He has made them available to all members to hand out.

Peter VK3AXI reported that we have received a large quantity of magazines and other documents from the Rod Champness legacy. He suggested we need to preserve this, and he has commenced scanning them for use by members.

Ray Moved that we establish a Rod Champness Memorial Library. Seconded by Peter VK3ASK.

We need to hold a working Bee at the Champness home to remove all the radio magazines and paperwork so Lyn can sell the house.

Mike VK3FMAA reported that he is constructing a Recording Studio and Ham Shack at his home. He is looking for volunteers to assist with this.

Several members spoke about projects that are in progress. Bill has posted an article on the Club website.

Geoff VK3GSR reported that he will be portable for the next 2 weeks. He will attempt to run the HF net from there on Wednesday.

Ray VK3YNV reported on a Community Grant proposal. He moved that we make an application for a grant of \$9000. Seconded Jacek VK3TJS.

Ray reported on the Sausage Sizzle at the Jaycar opening day.

He suggested we should apply to Bunnings to hold a Sausage Sizzle there.

Ray moved that we put the Club down for running such an event. Seconded Ian VK3YYY.

Kevin VK3KCK presented the Club with a certificate for our involvement in the Fun Run near Heathcote.

Man Behind the Mike:

VK3MFE Mark gave a presentation about the manufacture of cans, by VISY Manufacturing. He showed several different sized cans and showed how they are made for companies like SPC.

The next meeting will be on 3rd August.

Meeting closed at 15:10

Editors Comments

Well, July was another great meeting and as Peter has already written, we had a record attendance for the meeting. So much so, that we nearly ran out of chairs, but that is never a problem as we can always borrow from the main building.

The meeting was full of lots of worthwhile discussions about our repairs at Mount Wombat, possible grant requests, technical discussions and a very interesting talk by Mark VK3MFE, regarding his work for a company that manufactures tin food cans.

Mark has worked for over 30 Years for a Company, who manufacture tin cans for the food industry.

Naturally with Shepparton and district being the heart of the growing area for many fruits, they have some rather large customers such as Ardmona and SPC. Mark gave a detailed description about how the tins are cut out from tin plate, shaped to form the cans plus top and bottom, plus a very efficient method of joining the pieces together with a high-speed welding process.

Another very interesting display was also given by our regular contributor Bill. Bill had on display a Colins R105 aircraft receiver, dating back to the early 1950's.

This receiver covers from 1.5MHZ up to 18MHZ and is designed to run on the 24-volt aircraft battery supply.

Like all Colins equipment, this is a very solid and well-constructed receiver, with an extremely clever and complicated method of tuning.

Naturally, Bill was able to give a full description of the mechanics of this unit. There are photo's below showing this receiver and also details on the forum.

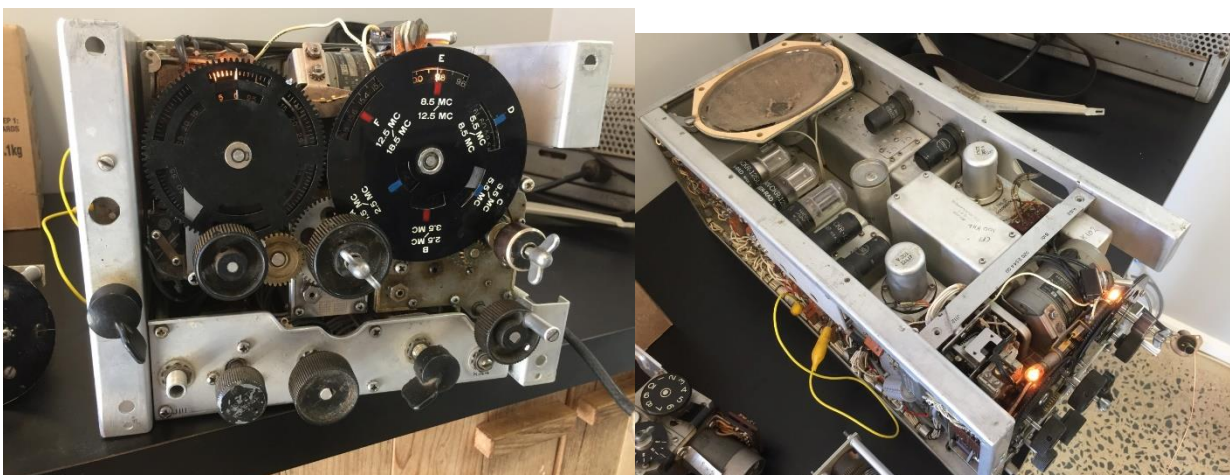
Since our last meeting, Ray VK3YNV has been busy arranging for the club to have a Bunnings BBQ day.

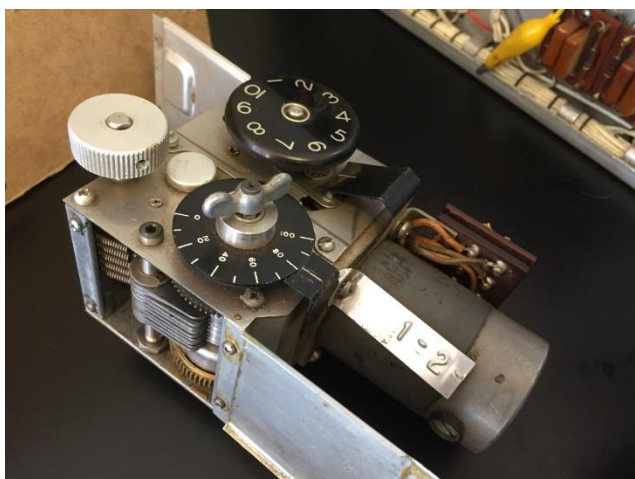
It seems that the date of December 29 has been booked, so hopefully many club members can get behind this fundraising day.

See you all at our next meeting on August 3.

Peter Simpson
VK3ASK

Pictures of the Colins R105 Receiver Thanks to Dallas, VK3EB





The mast of the future, take this one anywhere and it goes to 30 Metres.
Kevin VK3KFM demonstrating his pump up mast on the back of a vehicle.



Remember Hamfest, September 8.

All the plans at our next meeting.



SADARC
Shepparton & District Amateur Radio Club
and Electronics Club

HAMFEST
SUN 8th SEPT
10AM-1PM

open to Exhibitors at 8am
St Augustine Parish Church Hall
96 Orr St, Shepparton

\$5 ENTRY
\$20 TABLE*

* Trader entry: \$20 for first table
additional tables \$15ea



ALL ENQUIRIES & BOOKINGS
hamfest@sadarc.org
146.650 MHz-600kHz 123Hz CTCSS