



Illawarra Amateur Radio Society

2021  
Happy New Year

## Upcoming Meeting on the 9<sup>th</sup> February 2021

If the COVID19 conditions and restrictions for NSW do not change

The next meeting **will be at the** Blue Scope Steel visitors centre 7.30pm.

Blue Scope Northgate entrance off Springhill road



## THE FOLLOWS A COVID19 SAFE PLAN

There will be distancing and preventative measures still in place with hand sanitisers available for use, please adhere to info below as a minimum.



# IARS wishes all its members a very happy new year forward.

## 2020 recap.....

2020 was a very challenging year with the Covid19 restrictions. The first couple of meetings were over the air and live streamed on YOUTUBE, which was actually awesome. However, we missed our get together and after putting a safe covid plan in place, we managed to have our monthly meeting back at the usual place. Although we had to refrain from the usual hugs, kisses and handshakes. 😊

All went according to plan with no active Covid cases in our society. A big thanks to all that helped us with that, including a special thanks to Wazza VK2MWK, with his never ending temperature probe 😊 and Vinnie VK2VIN who made our lives a bit easier by making our tea and coffee for us.

The Shack Crawl, John Moyle Field day, Auction, Trivia night, Christmas dinner & lunch and the many great evenings of entertainment throughout 2020 made me feel that the IARS is a great society to be part of.



**Shack Crawl finishes at Ted's VK2ARA QTH**

**Standing, VK2MT, VK2DXM, VK2KQB, VK2XQX, VK2ZIA, VK2VIN, VK2AAL, VK2FDSD, VK2ARA**  
**Sitting, VK2PH, VK2LDW, VK2FHTW**



**John Moyle field day**

**VK2XIC, VK2MWK, VK2FDSD, Roy, VK2XQX, VK2MT, VK2VIN, VK2DXM, VK2HCO, HCO's mate, VK2KQB & Junior**



John Moyle with Vinnie having a Birthday cake, Shed removal for Bundanoon



Covid Spaced meetings 😊 and **HOW to SMD**, soldering workshop





Covid safe meetings for Show and tell



Bundanoon slab, Rob VK2MT shows us how its done (posed 😊) , Xmas Pizza night show & tell





**A Great finish to the year, the IARS Christmas Lunch**

**A BIG THANKS to ALL!!**

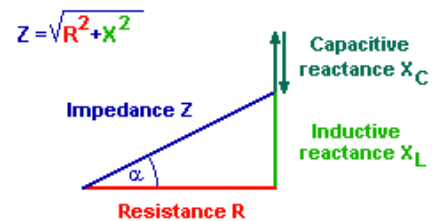
*Lets hope 2021 is fantastic and fun as 2020, join us for the next 12 months of fun and enjoyment at one of the oldest Radio Societies in Australia, we have a great society with great people.*

## NEXT MEETING .....



Get out that duster and clean the brain cobwebs, Vaughn VK2KBI is going back to our theory roots and refresh our grey matter

$$X_C = \frac{1}{2\pi fC} \quad X_L = 2\pi fL$$



Vaughn VK2KBI has been a technical tutor for many years and is very well versed in the aspects of amateur radio electrical theory.

Vaughn will be refreshing our brains in the subjects of AC theory and the important role this plays in our everyday amateur radio endeavours. Whether you are designing a new antenna system, matcher, amplifier or filter, the theory goes a long way in doing it right.

We have all been there but perhaps forgotten a few  $X_C$ 's and  $X_L$ 's.

Come along for an evening guaranteed to be interesting and entertaining at the same time.

Same as the previous meetings, Vinnie VK2VIN will be helping with TEA & COFFEE due to the Covid19 rules of the venue, which is still NO SELF-SERVICE.

To help ensure our safety, Wazza VK2MWK has offered his time again. He will be checking temperatures and helping to ensure that everyone is safe and healthy when they enter the premises and help keep the IARS meetings COVID19 safe.

Looking forward to seeing you all there on the **9<sup>th</sup> February 2021**

# SNOWBALL

The SNOWBALL was drawn at the Christmas meeting with Keith VK2KQB getting the loot, however, the money was donated back for a second draw which was won by Wazza, VK2MWK, Wazza also donated his share back into the Club savings which was very generous. Thanks Wazza and Keith.

We start the year again with some funds so please be a part of this fundraiser which can get you some cash in a hurry. You will need to be a IARS member to participate, if you not then speak to John VK2EJL on the night and he will be more than happy to fix you up.

**Simon VK2KU, the good looking fellow with BALLS will book you in for \$5**



As always all monies received goes straight back into your club for your enjoyment 😊

**Don't forget the two weekly IARS nets as below**



**to the IARS NETS**



IARS Tuesday evening weekly 80m NET on 3.666MHz at 8.30pm

Don't forget to join us every Tuesday evening, expect the second Tuesday of the month for a great get together on 80m. Signal reports, news and general discussions are the agenda. All you need is 1 x HF rig, Piece of wire + tuner, good cuppa and comfy chair.

There have been some really good conversations so if you are bored on Tuesday evenings, pop in for a chat.

Saturday Morning EAST COAST NET hosted by Steve VK2BGL

You are invited to join Steve every **Saturday at 9.30am** on our **146.850MHz** repeater (linked to 146.675MHz) or **VK2BGL-R** on Echolink for a very enjoyable morning of general discussions from amateurs who log in from all over the world. This is a great net which is growing in popularity due to the wide range of subjects that get discussed.



# REPEATERS



VK2RUW (Knights Hill) 146.675MHz    VK2RMP (Maddens Plains) 146.850MHz

## STATUS

- 438.225 with a - 5MHz offset. **OK**
- 146.975 with a -600kHz offset NO CTCSS, C4FM enabled **OK**
- 146.850 with a – 600kHz offset (linked to 146.675) NO CTCSS **OK**
- 146.675 with a – 600kHz offset (linked to 146.850) NO CTCSS **OK**
- 53.650Mhz with a – 1Mhz offset 123Hz CTCSS (or key PTT 5 times to open squelch) **OK**
- 438.725Mhz with a -5mHZ offset DMR only **OK**
- 1296.850Mhz Beacon with simplex repeater function – **OK**

.The IARS welcomes any feedback on our repeater systems.

Please send all your feedback to [secretary@iars.org.au](mailto:secretary@iars.org.au) and it will be passed on to our repeater team.

Any donations to help us maintain our great repeater system will be greatly appreciated. Please check our banking details on our website at [www.iars.org.au](http://www.iars.org.au) under the Contact details page.,





Simon VK2XQX, Rob VK2MT and Roy have worked very hard to get our shack up and running, thanks guys.

We are looking for the following, Batteries (preferably large) in working condition and any other item you think we could use to make our shack more habitable, Unfortunately we don't have enough power for a large beer fridge or 70cm Flat screen. Maybe in the future, but desks, tables, chairs ect... you have laying around, please send Keith VK2KQB and email with what you have to offer with some pics would be handy.



All should be ready for the next John Moyle field day weekend in  
March 2021.

Thanks to everyone who gave donations, helped with  
the slab, painting and erection of the shed.



## We NEED your HELP!

Our public liability insurance is due again, Yikes!

The WIA offer clubs a good value for money public liability insurance, they also offer a further discount for each IARS member that is a WIA member as well.

Please can all IARS members that are WIA members advise the IARS secretary on or before the 5<sup>th</sup> February 2021.

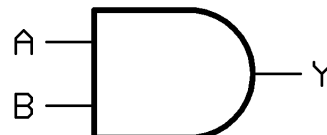
You will be helping us make your society better, thank you.



## Looking to Upgrade your Foundation or Standard licence?

Let 2021 be the year. The IARS has two options, Ted VK2ARA who is our club tutor and the Radio and electronic school or both 😊. Your society supports further learning, please find out more on how we can help you.

We also have approved AMC assessors and can get your upgrade fast tracked. Please email [secretary@iars.com.au](mailto:secretary@iars.com.au) or return email if you wish to receive more information on how the IARS can help you achieve this goal in 2021.







**LOOKING FOR SOMETHING to SWAP, BUY, SELL, an OLD PART**  
Parts you may need for repairs or some radio gear you no longer need that could go to a new home.....?

Email [secretary@iars.org.au](mailto:secretary@iars.org.au) or [iars.keithb@gmail.com](mailto:iars.keithb@gmail.com)

- John VK2EJL has some aluminium tubing and antenna parts FREE to a good home. Please contact the secretary if you are interested in some of this tubing and antenna parts.
- Keith VK2KQB is looking for old Baofeng handhelds no longer used and can even have no batteries or antennas with them. These will be used as IF modules used in building a 23cm and 13cm beacon system that will be used for the club.
- Rob VK2XIC has about 8meters of RG213 coax with pl259 connectors on each end, FREE to a good home

## ***Disposables Donation Table***

Mal VK2DXM has shared an idea he found at another amateur radio society. They seem to be having fun and it has been very successful.

We are hoping our members will participate in this new

This will be a table we hope to fill with disposable parts and goodies that you would like to donate to a worthy cause, your society 😊

With the next meeting please bring along and donate those old items that you no longer use and may even have thought about throwing it in the bin, someone else may be looking for that very part.

Wire, pieces of coax, old parts, plug packs, power supplies, capacitors, resistors, coils, tubes, knobs, anything that someone can use.





Share it with us, this could be suggestions, technical ideas, circuit diagrams, IARS community projects, pictures of your latest shack project

Let us know by return email or [secretary@iars.org.au](mailto:secretary@iars.org.au)

Also, if you have some IARS related pictures or information that we can put on the **IARS website**, please let us know and we can get that happening.

### *This month's project/Idea*

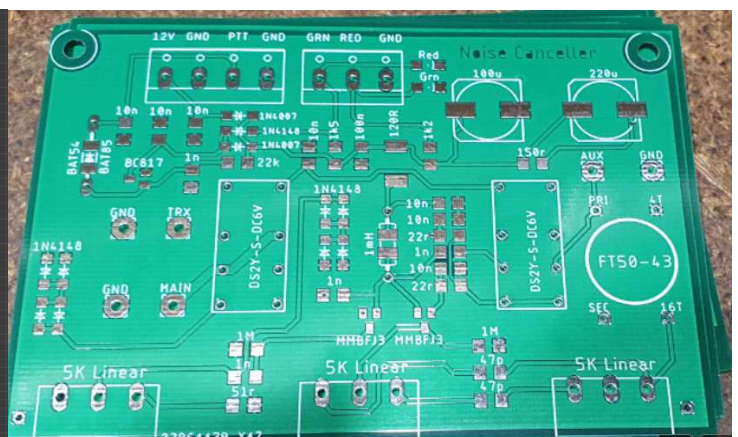
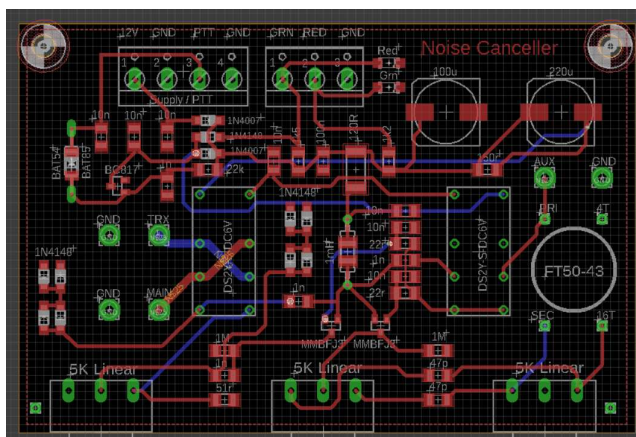
## Noise Cancelling Filter , Simon VK2KU

Simon VK2KU has been setting up a great project for IARS members, a simple but affective Noise Canceller module. I have been using one of these for over a year now with great success. In fact my noise on 80m in the evening is 10+ and it makes it impossible to participate on the IARS 80m 3.666MHz net every Tuesday evening. Since I have been using this noise canceller I can reduce the noise from 10+ to S 5~6 with fine tuning can read everyone that was below the noise floor.

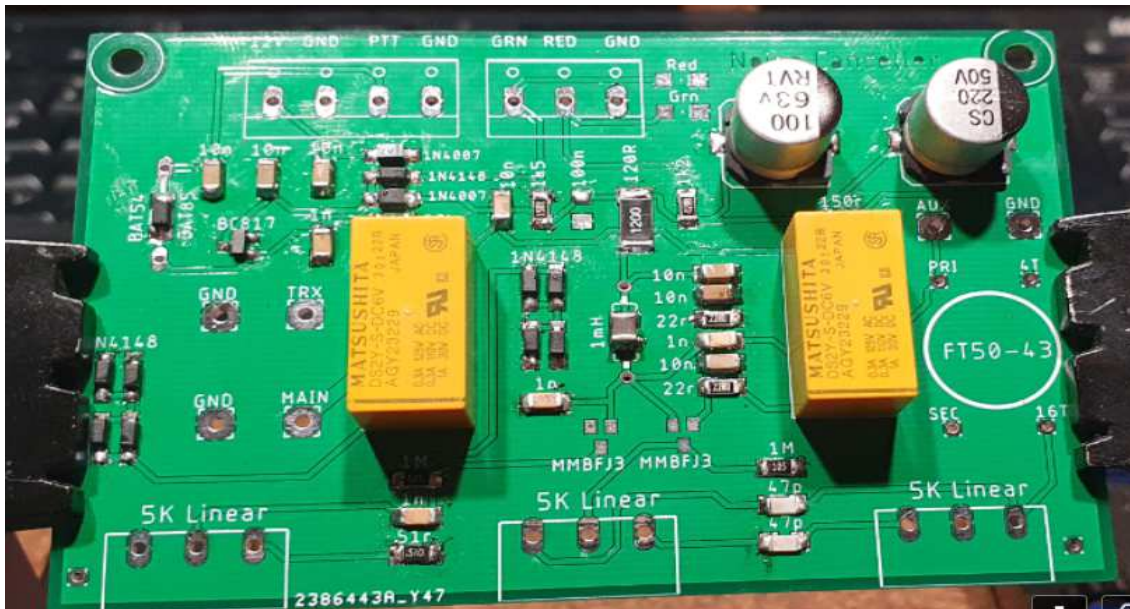
There will be two options, the kit which is PCB, box, knobs, parts and wire ready for you to assemble or a completely assembled kit.

If you are interested in one of these, trust me you should be, especially when the neighbour next door installs a noisy air con or TV, please let me know and we will send out more information

return email or [iars.simonr@gmail.com](mailto:iars.simonr@gmail.com)







## Upcoming events .....

### John Moyle Field Day 20th-21st March 2021

For more information go to [The Wireless Institute of Australia \(wia.org.au\)](http://TheWirelessInstituteofAustralia.com.au) and check members section contests.

The IARS will be having the John Moyle field day weekend at our new Bundanoon shack. Please let the IARS secretary know if you intend coming so we can plan some catering and campsites.

[secretary@iars.org.au](mailto:secretary@iars.org.au) or [iars.keithb@gmail.com](mailto:iars.keithb@gmail.com)

## Upcoming meeting presentations .....

- **February 2021** : Vaughn VK2KBI, back to some basic electrical theory. Refreshing the importance of theory to assist our great hobby. Free removal of cobwebs
- **March 2021** : 5G and Beam forming overview by Mal VK2DXM , Tinfoil hats issued on arrival, **book your foil hat size now to avoid disappointment!**

(We welcome Conspiracy theorists)



- **April** : Repeater management. Rob VK2MT will be presenting repeater systems, effective ways of control and good management.

That's all for now, hopefully see you at the Blue Scope Visitors centre on Tuesday evening, 9<sup>th</sup> February at 7.30pm.

Stay Safe

**73's**

**Keith VK2KQB**

**IARS Secretary**

**IARS, Amateur Radio in the Illawarra since 1948**