

## Display of Members gear - July 2015 - By Christine Taylor,

The July meeting was a Show and Tell session. Members showed us what they had been making and told us something about the project.

The first speaker was Darryl VK5JDS who is always looking for a new project. This time he had seen a mention in a magazine that someone had adapted a CB 27MHz transceiver to operate on 40 Metres. Darryl decided to see if he could make one that would operate in the 17Metre WARK band – but first he made sure the rig would operate in the CXB band!! If it hadn't worked there Darryl would have been wasting his time entirely.



It was not too difficult to tweak the rig to transmit in the 17metre band by replacing a few components, but to tune the receiver there took a bit more work. However he has had several contacts though there are not a lot of people using the band. Why not see if you can have a QSO with Darryl on 17 metres?

Gary VK5BMI built a fine narrow band filter from a New Zealand idea. He was able to make it tune very accurately between 14.2 and 14.28 MHz.

David VK5AAH, inspired by the talk by the man from ACMA tried his hand at building a bug detector. It detected the radio mike as well as his mobile phone. He expected the mobile phone to register but the radio mike was a surprise.



Reuben VK5FE had an amazing collection of QRP devices (transmitters on several different bands, an SWR metre for 40 metres and much much more) he had designed and built. He started by building his own test equipment for QRP work. The detail and beautiful



workmanship was a joy to behold.

Jim VK5TR had been asked some questions about velocity factor in wires so he had designed a circuit to show the velocity factor and to show the difference in an open wire and in a closed circuit. All demonstrated as a Powerpoint presentation.



Roy VK5NRG, comparatively new to building amateur radio equipment tackled a QRP transmitter from a kit. It came with 48 pages of instruction, but it is going together very well even though it is a UFO (Unfinished Object) at the moment.

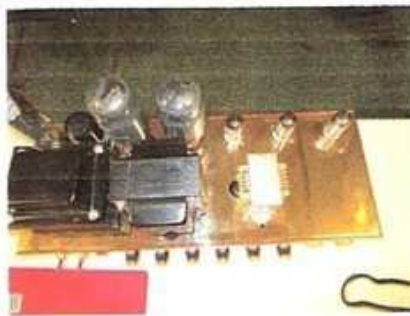


Phil VK5SRP had a most interesting item. He had designed this and used it at a construction night at NERC (North East radio Club). He had mystified the members by telling them to bring along a light hammer if they had one.

When they saw the design they understood why the light hammer would be useful. Phil had devised a QRP CW transmitter, using brass drawing pins as the connections. If you have tried pushing drawing pins into a board with your fingers you will be glad to have the help of the hammer. The phot shows how the board was laid out with the drawing pins.



The last item on display was a guitar amplifier made by Graham



VK5ZFZ. He described in detail all the components he had used and was delighted to be able to tell us that almost all of them had been obtained from firms within Australia, including the valves.

The chassis and much of the wiring was gold plated for better electrical conductivity, including in one instance the use of fine solid gold jewellers wire within plastic tubing.

Any serious guitarist would be delighted to own this amplifier.

Altogether it was a most interesting and varied evening.