



SARCNEWS



NET CHECK-INS:

Wia National News - n/a

HF Dawn Patrol – 51 for the week ending 13th April 2018.

Sarc Digi Net – (see full “*Digital Modes*” report below)

Wicen Net – 9 - Map reading

Wednesday Tech Net – 5 - Led and other lighting

Thursday Night Net – 8 - other radio equipment used on road trips

{run on Mt Nardi 70cm Rptr}

Friday Night Net – 9

More things to do:

Coffee morning:

1000 on the 1st Wednesday of the month

Rous Hotel (cnr) Keen/Zadoc St. Lismore

Lunch day:

1200 on the 3rd Wednesday of the month

Ying's Chinese & Thai Restaurant
142 Keen St. Lismore

Repeater Updates:

6Mtr repeater at Parrots Nest

The repeater has been removed for repairs and will be back in service hopefully within a few weeks. in the mean time the transmit antenna will also need to be repaired due to high SWR of 5:1....not good :(

Darren AUX.

General Items & Updates:

Parrot repeater back on air.

After a few weeks testing the cross band 2m/70cm repeater at the clubrooms, it's been turned off and the parrot repeater on 146.575 MHz is back on air.

Proposed Goonengerry working bee.

Nothing definite at this stage but keep Sunday 27 May in mind for a working bee at Goonengerry.

We need to give the site another mow before winter as well as lowering the mast and fitting new guy wires and the new antennas for VK2RBB.

More details as the day gets closer. Site access is always weather dependant for this one.

Interested in solar power but afraid to ask?

Check out ..er... the ABC TV #checkout program video on solar installations. <https://youtu.be/ZOV31ddnsRs>

As with their TV program it's entertaining as well as informative.

[CLARENCE VALLEY News:](#)

Latest achievement of the *Clarence Valley Amateur Radio Group*, VK2RCV DMR repeater, is now operational at Pinebrush. Installation team of QJ, VL, ZB and IOJ completed the job this morning. Looking forward to contacts on this new mode.

You will need a DMR radio.

RX439.9125MHz

TX434.9125MHz

Cheers & 73

Tony VK2VL/Graeme VK2QJ



[4 good items from IEAust](#)

The Institution of Engineers Australia is well known for items that even most engineers find dry and boring. Here's 4 of them that SARC members should find interesting.

This one is about long haul HF radio. Does it trigger memories of the Jindalee over-the-horizon radar system in anyone else?

<http://www.createdigital.org.au/magazines/defence-communications-fine-tunes-tech-cut-noise/>

The sort of work founding member member Gordon VK2AGE (SK) was involved in.

<http://www.createdigital.org.au/spacecraft-engineers-guide/>

What is the Ballina council doing? Are they going down this track?

<http://www.createdigital.org.au/shark-spotting-drones/>

And finally a chance to dream....

<http://www.createdigital.org.au/largest-radio-telescope-engineering/>

Cheers,

DLR

[BAREC News:](#)

Rob VK2ARL and Maeva VK2MWL have visited the Bendigo Amateur Radio and Electronics Club. They look like a nice active group that like us are based away from a capital city.

Check out their web site: <http://barec.net.au/>

Jack, VK3JJL produces the BAREC newsletter and Tony 3KKP puts out a more general one that covers central Victoria.

Any one for getting the Broadwater Sugar Mill on air on at the same time as BAREC activate Anderson's Mill at Smeaton, Victoria, Australia?

Checkout <https://www.adoptamillacrossaustralia.com.au/> for more information on this 12/13 May 2018 event.

Cheers,

DLR

DIGITAL MODES:

Monday 9th April 2018

For tonight's net we had VK2PMG/SRC as net control with Leith VK2EA, Steve VK2SLM and Duncan VK2DLR logging in, so it was DLR and PMG-SRC transmitting digitally. Once again we tested the ability of 2 metre sideband to deliver the digital signals. We decided to test it out with the digital imaging mode, Easypal. The frequency was 145.1.

Both of us reduced the TX level of the Signalinks to about 9 o'clock and started. The images had that sharpness that even MMSSTV cannot match. It has to be said that Easypal is not quite as robust as the analogue MMSSTV and there were some missing segments. These were fixed with the BSR – Bad Segment Request. The program seems to know just what bits are missing from the image map and just asks for them. The program reduces the original file size to that needed by the program which is fairly small. The file size can be altered but obviously that increases transmission time. Small file sizes introduce pixelation, but that can't be helped and the images still look perfectly OK on the screen.

Duncan tried one image at the increased 3 o'clock TX level and that didn't seem to overdrive it. Once again I have to thank Duncan for his support for this net. I have said many times that the net will continue as long as there is someone else to join in. Obviously I would prefer that number be greater. Thanks to all who logged in.

Paul VK2PMG



[WEB SDR Running @ Club Rooms](#)

Rob VK2ARL has set up sdr receivers in the club shack, for 80 and 40 metres. These can be accessed on-line at www.websdr.org. On the site main page, select the location 'other' and band '40'. Then scroll down until you see the SARC logo, and click on the URL. Its quite easy to use, note that you don't get the whole band, only a segment as seen on the waterfall.

You can transmit and see your own signal if it is received, from any selected sdr around the globe. You can also record any received audio. Note the requirement to have java and javascript enabled to make it work properly.

For more technical information, go here, for a short article by Rob, VK2ARD

<http://sarc.org.au/sarc-web-sdr/>

[WIA Radio and Electronics Convention - Beyond 2020](#)

[SeaWorld - Gold Coast Queensland](#)
[18th, 19th and 20th of May 2018](#)

The WIA Annual General Meeting (AGM) and Technical Forum will be held over the weekend of 18th, 19th and 20th May 2018 at SeaWorld on the Gold Coast.

This years event is being organised by the Gold Coast Amateur Radio Club (GCARC) with most of the weekends activities taking place at the Sea World Resort.

[SARC 2018 Calendar:](#)

What's On For the full year's calendar visit http://sarc.org.au/	
This Month	Next Month
April 2018 Sun 01 Easter Sunday Sat/Sun --/01 Mon 02 Easter Monday Sat/Sun 07/08 Sun 08 <u>Wicen AGM 1000</u> Sun 08 <u>Committee Meeting 1300</u> Sat/Sun 14/15 Sat/Sun 21/22 Wed 25 Anzac Day (<u>AX Prefix</u>) Sat/Sun 28/29	May 2018 Sat/Sun 05/06 Sat/Sun 05/06 <u>WICEN Horse Enduro</u> (Girard) Sat/Sun 12/13 Sun 13 <u>Committee Meeting 1300</u> Sat/Sun 19/20 Sat/Sun 19/20 <u>WICEN Horse Enduro</u> (Spring Mountain) Thu 17 World Telecommunications Day (<u>AX Prefix</u>) Sat/Sun 26/27

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"EASTER EGG"

within the header of this NL, shows that silly ZDR guy actually mowing the clubrooms lawn with a Push Mower...hihi