



# SARCNEWS 2021:01:17

## SARC RADIO NET NUMBERS/CHECK INS:

Weekly HF Dawn Patrol – 73 for the week ending 15JAN21

Monday\_INFO Net – 7 – News.

Tues\_Sarc Digi Net – full “*Digital Modes Report*” below...

Wed\_70cm Net – 3 – VHF Propagation.

Thursday Net - 9

Friday Night Net – 8 – Summer V/U Field Day

## UPCOMING EVENTS

### Australia Day

January 26, 2021 \_ AX prefix

### AGM & Committee Meeting

February 14, 2021 @ 1300

### Wyong Hamfest

February 28, 2021

### Committee Meeting

March 14, 2021 @ 1300

## VK2SRC at Vista Lookout – Summer V/U Field DAY 2021



Graeme VK2QJ, Pat VK2FAAD and David VK2DGC set up cam for the 2021 Summer VHF/UHF Field Day Contest. The photos show their magnificent antenna arrays. Better than many of us run at home. This time they operated on the traditional 6m, 2m, 70cm and 23cm bands AND for the first time; on the 2.4 GHz and 3.4 GHz bands. Graeme reports contacts into Brisbane on 2.4 GHz and 3.4 GHz. That's over 200Km on UHF and SHF!

Too early for a detailed report as they're busy packing up and travelling home. A more detailed report next week along with reports from local 'home' stations. Big points scores are anticipated as a number of stations reported greater success with more bands and better equipment. The 'bottom' band of 6m also had a boost with bursts of sporadic-e contacts into other states.

## Additional report from Chris VK2ACD:

Quick summary - Fine weather, propagation variable. Operators VK2QJ Graeme VK2FAAD Pat VK2CDG David. Bands - 6m 2m 70cm 23cm 13cm 9cm. First time for SARC to use 13cm and 9cm. Longest contact 13cm 335km to VK4UH/p at Ocean view lookout. Longest contact 9cm 311km VK4CZ/p at Gus Buetel lookout.

Note re photo attached - on portable tower in centre, 2 grid pack antennas for microwave.

Other locals taking part, and helping to boost SARC score - Rob VK2ELH, Duncan VK2DLR, Paul VK2AMT, Chris VK2ACD, Kris VK2KWW, Mick VK2XML, John VK2JWA, and VK2ZVG Steve.

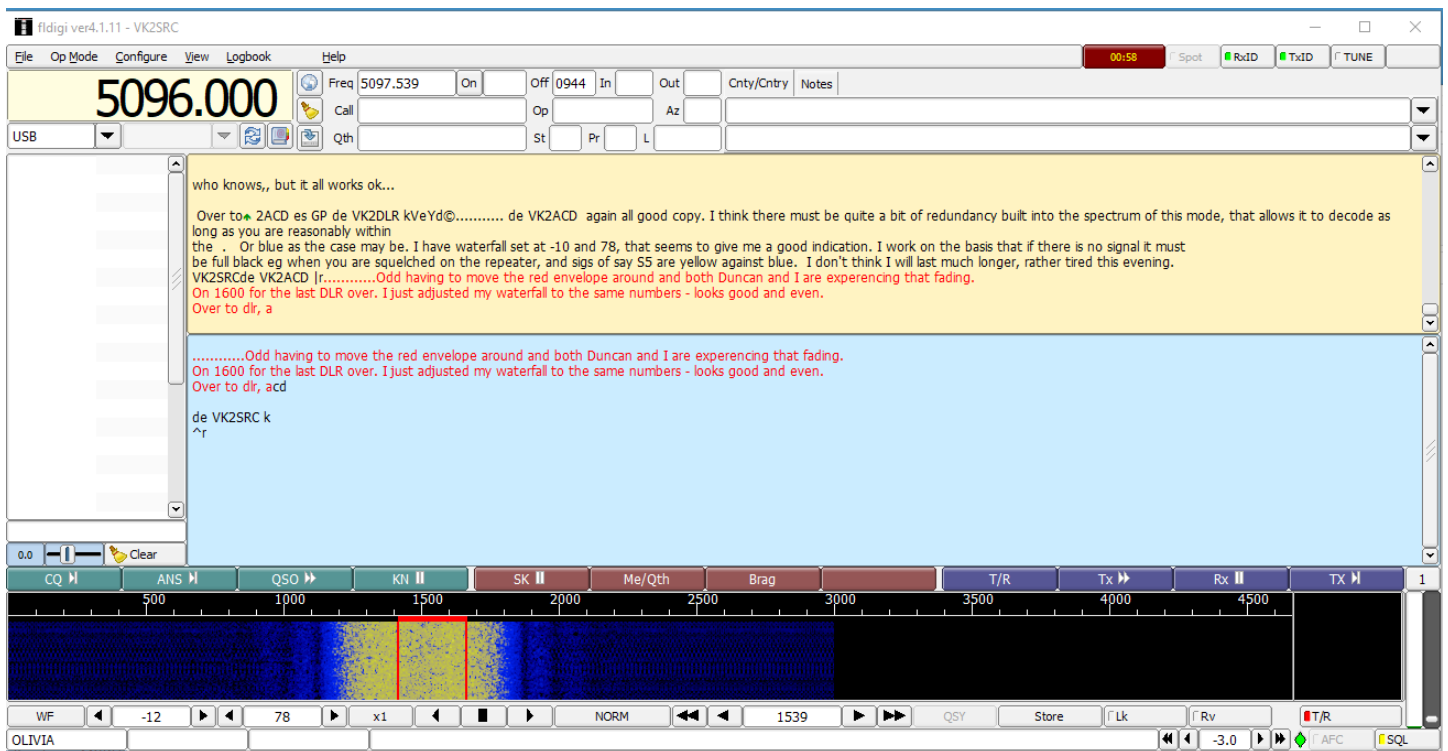
## DIGITAL MODES Report – Tuesday 12JAN2021

This week, joining Paul VK2AMT as VK2SRC were Duncan VK2DLR, Malcolm VK2OTA, Chris, VK2ACD and later in the net Dave VK2ZDR. We had the usual two rounds of personal news and chat before Chris and Duncan joined me on 144.230 USB.

We used Fldigi again, one reason was to test Chris's setup after it suddenly stopped working last week. We used Olivia's custom mode 2-500 again. Dave joined us at about 8.45pm. We were pleased to see everyone's system working normally. Duncan was S0, Chris S7 and Dave S9. Chris had to leave at about 9pm.

Another good net, proving the value of Fldigi's Olivia mode. It ranks as one of the best keyboard modes, along with Domino-EX and Thor. Thanks to Duncan, Chris and Dave for participating. The net finished at 10.15pm. Thanks also to everyone who logged in.

Cheers from Paul VK2AMT



## .OTHER INTERESTING BITS. Click on the images to open.





# Spectacular Australian Made Propagation Videos

Forget TV Gold Logies. Here's the best TV I've seen in a long time. Andrew, has three absolutely spectacular propagation videos on his YouTube channel. Check out VK3FS on YouTube.

<https://www.youtube.com/channel/UCxODqyEbv1UjoEcjLn4z7Q/videos> Andrew has other equipment specific videos and an eye-catching recording of traffic on the ISS repeater as it passed overhead. -VK2DLR

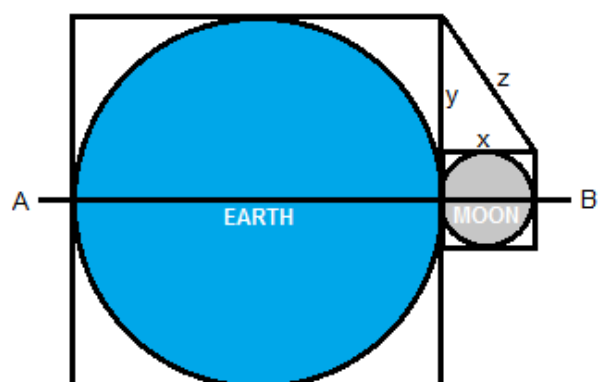
## 6-DAY LISMORE WEATHER (FORECAST)

	Mon Jan 18	Tue Jan 19	Wed Jan 20	Thu Jan 21	Fri Jan 22	Sat Jan 23
Summary						
	Possible thunderstorm	Possible thunderstorm	Possible shower	Mostly sunny	Mostly sunny	Sunny
Maximum	29°C	29°C	26°C	26°C	29°C	30°C
Minimum	18°C	19°C	18°C	16°C	15°C	16°C
Chance of Rain	60%	80%	50%	40%	5%	70%
Rain Amount	5-10mm	5-10mm	1-5mm	< 1mm	< 1mm	< 1mm
UV Index	Extreme	Extreme	Extreme			
Frost Risk	Nil	Nil	Nil	Nil	Nil	Nil

## .THIS WEEK'S FUN PAGE.

I received an email from a SARC Member expressing his interest in mathematical puzzles. Unfortunately my maths is limited in comparison to most. However I do find the following puzzle very intriguing. I am still awestruck by it all. Hope you will find this most interesting.

### THE EARTH-MOON RELATIONSHIP



Note: the line AB is a reference line, which passes through the diameter of both the Earth and the Moon.

#### THE PUZZLE

- 1) Find the diameter of the Earth and Moon (on the Internet).
- 2) Find the values, in kilometres, for x, y, and z.
- 3) Show the special relationship between x, y, and z
- 4) How did this relationship manifest itself.

### Our Disclaimer:

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