



SARCNEWS 2021:06:14

SARC RADIO NET NUMBERS/CHECK INS

Weekly HF Dawn Patrol – 71 - for the week ending 11JUN21.

Monday – 6 - Parrots Nest, Club Rooms & upcoming Winter Field Day

Tues_Digi Net – 7 – See Tue-Net Report below.

Wednesday – –

Thursday Net – 4

Friday Net – 5 - some QSB then tested QRP outputs.

SARC nets and times <https://sarc.org.au/nets-broadcasts/>

UPCOMING EVENTS 2021

Winter V/UHF Field Day

June 26-27 @ 1100 hrs

Committee Meeting

Jul 11 @ 1300 hrs

General Meeting

Aug 8 @ 1300 hrs

Remembrance Day Contest

Aug 14 @ 1300 hrs to

15 @ 1300 hrs (see link below)

<https://www.wia.org.au/members/contests/rdcontest/>

Tuesday-Net Report

DIGITAL MODES

- Paul VK2AMT

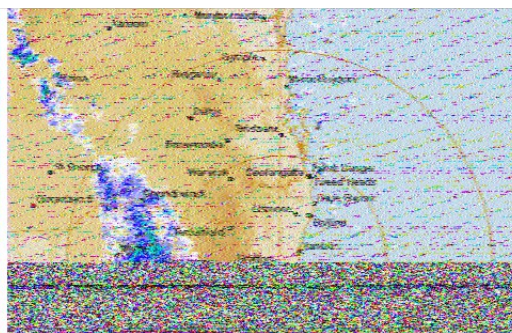
The digi net has 3 images attached. These are fairly big so you may only want to one one or two, just to show what they were like. Your choice as Editor, whatever fits best.

This week, we had seven logging in: Barry VK2VBG, Leith VK2EA, Duncan VK2DLR, John VK2JWA, Dave VK2ZDR, Chris VK2ACD. A very good rollup. There was the usual two rounds of personal news first. Duncan couldn't participate, as his radios were recording data and Chris was a feeling more than a bit tired. So, Dave and I QSY'd to 80 metres again, 3.550 USB.

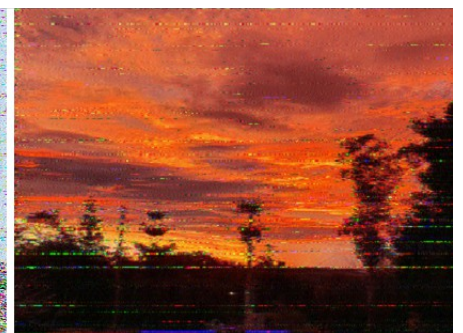
We used Fldigi and MFSK 64 mode, first with text and then with a couple of images. Fldigi has an AFC button, supposedly to retune drifting signals. When this was on, the centre frequency (1500Hz) wandered about quite a bit. Turning AFC off fixed the frequency solidly at 1500 Hz so I left it there. MFSK 64 has quite a wide bandwidth and text zipped through very quickly, but it was the image transmission ability of MFSK that I wanted to explore, MFSK16, 32, 64 and 128 all support image transmission. It can use .png, .jpeg or .bmp image files by load and navigate or by drag and drop onto the TX panel. It has speed choices of 1X, 2X and 4X. We used 2X speed and you can choose between grey or colour. Obviously grey is a fair bit quicker than colour. The results were pretty good considering the noise on 80 metres. The images were also transmitted in their original size and proportion. No image is forced to fit into a transmit window, unlike MMSSTV. The images received all had speckles, some roughness and noise bars but, considering the 80 metre noise, weren't too bad. Perhaps the faster mode (128) and a VHF USB frequency might do better, quality wise. The image of the sunset was 400 x 300 pixels. I think that the results were good enough to try it again on VHF (144.230 USB). Thanks to Dave for doing the experiment and also thanks to all who logged in and participated.



13114 Hz



14800 Hz



15212 Hz

LAST SUNDAY @ SARC CLUBHOUSE (DE-FIB)

- Chris (VK2ACD)

Before the committee meeting on Sunday (2021-06-11), we had a demonstration of how to use our new Lifepak CP2 de-fibrillator.

It was a very informative and entertaining presentation by Craig Nolan, an experienced paramedic. We were shown how simple the unit is to use, plus some really good information on dealing with life-threatening medical situations.

The CP2 unit will be installed in the main area at the clubrooms as soon as we have the relocation of furniture and fittings sorted out.



EMAILS to the Editor

Ade's Amateur Tip of the Week : Everyone should do an advanced first aid course with St John's Ambulance annually.

-Ade Larsen

Editors note: St John Ambulance Australia (NSW) runs a 'Provide First Aid' course. The certification lasts for three years. However, the CPR courses require yearly updates / retraining.

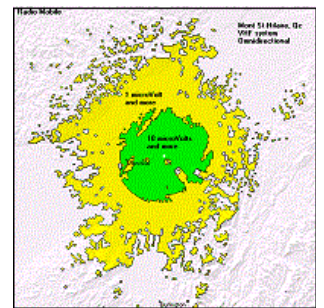
HOW TO PREDICT RADIO PERFORMANCE

- Andrew (VK2AKK)

"You might find this of interest... I came across this very interesting site...". It shows how a free software tool can be used to predict the performance of a radio system.

The software "... calculates and overlays your estimated transmitter ground coverage on a satellite map by using your position, transmit frequency, transmission path, antenna gain, antenna height and transmitter power".

- Click on image to open.



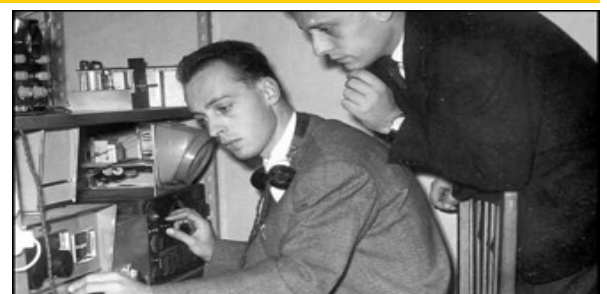
6-DAY LISMORE WEATHER (FORECAST)



	Tue Jun 15	Wed Jun 16	Thu Jun 17	Fri Jun 18	Sat Jun 19	Sun Jun 20
Summary	Sunny	Mostly sunny	Mostly sunny	Sunny	Sunny	Mostly sunny
Maximum	21°C	23°C	23°C	20°C	19°C	19°C
Minimum	4°C	5°C	10°C	5°C	5°C	5°C
Chance of Rain	10%	40%	20%	5%	40%	50%
Rain.Amount	< 1mm	< 1mm	< 1mm	< 1mm	< 1mm	1-5mm
Wind Speed	7 km/h	9 km/h	7 km/h	10 km/h	14 km/h	19 km/h
Wind Direction	WNW	SE	WNW	ENE	NNW	WNW
	13 km/h	18 km/h	15 km/h	16 km/h	13 km/h	18 km/h
	W	W	SW	SW	S	

OTHER INTERESTING BITS

Click on (2) images below to open.

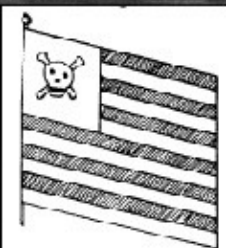


Hams operators listen to Russian female voice astronaut.

THIS WEEK'S FUN PAGE

Last week's NUMBER PUZZLE solutions.

1	0	2	4		9		8	6	4	9
3		5	4	3	1	4	9	9		2
3	6		5	4	2	8	9		1	6
1	6	9		3	2	4		1	1	1
	4	7	7		5		1	2	1	
4	3	2	4	5		1	1	2	1	1
	6	2	5		1		4	2	1	
6	2	5		3	2	1		2	1	0
5	3		7	3	3	3	2		1	3
6		4	2	8	2	6	1	6		9
1	2	9	6		1		6	4	9	8



Here is a flag taken from a band of pirates of the high frequencies. The twelve stripes represented the number of pirates in the band. When a new pirate was admitted, or dropped out, a new stripe was added or removed as the case might be. Can you discover how the flag should be cut into as few pieces as possible so that they may be put together again and show only ten stripes? No part of the material may be wasted, and the flag must retain its oblong shape.

SARC Newsletter Archives: <https://sarc.org.au/weekly-newsletters/>

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