



# SARC NEWS 2021:10:11

## SARC RADIO NET NUMBERS/CHECK INS

Weekly HF Dawn Patrol – For week ending Fri, 08OCT2021.

Monday – 6 – Hot windy weather today.

Tuesday – 5

Wednesday – 4 - linear amplifiers on FT8.

Thursday Net – 7 – On 2 metres, Woodburn.  
- 3 - On 6 metres, Parrots Nest.

Friday 80m Net – 6

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

Upcoming Events <https://sarc.org.au/events/>

## UPCOMING EVENTS 2021

### JOTA-JOTI

Sat-Sun 16-17 October

### COMMITTEE MEETING

Sunday 17<sup>th</sup> October @ 1300hrs

### COMMITTEE MEETING

Sunday 14<sup>th</sup> November @ 1300hrs

### SPRING V/UHF FIELD DAY

Sat-Sun 27-28 November  
(see link below)

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

## SARC Covid-19 update 2021-10-11

Now that the Lismore lockdown has ended, SARC committee meeting will be held on October 17<sup>th</sup>.

## Tuesday-Net Report

## DIGITAL MODES

- Paul VK2AMT

TUESDAY OCTOBER 05 2021

Tonight Paul VK2AMT as VK2SRC was joined by Duncan VK2DLR, Chris VK2ACD, Jeff VK2WSR and Dave VK2ZDR after we QSY'd. We had our normal couple of rounds of personal news and chat before moving to 80 metres, 3.570 USB, Fldigi and Olivia 8-500.

We had a few moderately loud static crashes from some weather out in the Tasman Sea on the way to NZ. That didn't bother decode at all. Everyone had good signals. I do wonder sometimes whether other radio clubs run a digital or data modes net every week as we do. If not, why not? As usual, the net featured much technical discussion, something that is quite important.

The screenshot shows the Fldigi software interface. At the top, the frequency is set to 14070.000. The main window displays a chat log with the following text:

After looking more closely at the Palstar meter, there is a tiny fluctuation in levels when TXing on FT8, if you add more than 18dB of amplifier gain from the SPE on half power, that might explain amp output changes, makes sense. I have a lot to learn about driving and understanding these things

Jeff, your 40w is fine here so far, no dropped characters.

I tend to use the 50 watt Anderson connectors for DC, much more positive when plugging together than the little red and black ones, also good contact area and universally available from automotive stores.

Great sigs and decode from all. 40 wa

.....Is Dave there? Didn't see a signal from him. Hello Dave if you're there!

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Great sigs and decode from all. 40 watts here, like last week. A few days of good camping weather for those who can do it.

dir, acd, wsr + Dave?

de VK2SRC k^r.

The interface also shows various control buttons like 'RSD', 'ANS', 'QSO', 'KN', 'SK', 'Me/Qth', 'Brag', 'T/R', 'Tx', 'Rx', and 'TX'. The bottom status bar shows 'OLIVIA-8/500' and other technical details.

Cont:

Another good evening with Olivia mode proving its worth on the noisier low bands yet again. We ran power from 25-40 watts or so and had no problems with decoding errors. Thanks once again to all who participated, it is sincerely appreciated.

**WANTED - NET CONTROLLER FOR DAWN PATROL - Chris VK2ACD**

SARC needs someone to run the 0630 'Dawn Patrol' net, which is on 3.604 MHz Monday to Friday. For the last 6 years it has been run like clockwork by Chris VK4YE. He is stepping down for the duration of daylight saving in VK2, which would mean getting up and running at 0530 VK4 time.

An option is for more than one person to share the net control. You would need to have a station set-up and location where the weak stations can hear you and you can hear them. Plus pen and paper to keep the list in order, and a bit of patience!

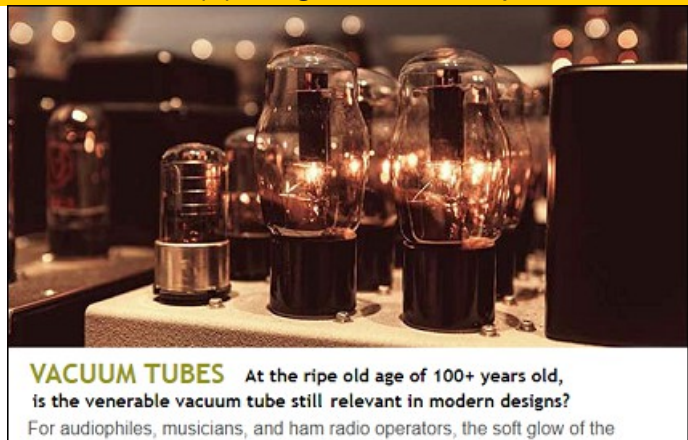
If interested, contact the committee, and if you are one of the regulars, well in the absence of an 'approved person', just go for it.

**WANTED - A TREASURER contact: [vk2src@gmail.com](mailto:vk2src@gmail.com)**

We are looking for someone to take on the Treasurer role. This person would normally also become a committee member. Most of the job is looking after the bank accounts and providing information on balances and income/expenditure to the monthly meetings. We don't use any accounting software. All banking is done on-line and the committee will help with training.

Please email the committee if you think you can help - no obligation!

**OTHER INTERESTING BITS** Click on (2) images below to open.



**6-DAY LISMORE WEATHER (FORECAST)** click on image to open WEATHERZONE



	Tue Oct 12	Wed Oct 13	Thu Oct 14	Fri Oct 15	Sat Oct 16	Sun Oct 17						
Summary	Rain	Showers	Possible thunderstorm	Mostly sunny	Sunny	Sunny						
Maximum	19°C	21°C	25°C	28°C	27°C	26°C						
Minimum	11°C	10°C	11°C	12°C	8°C	7°C						
Chance of Rain	90%	90%	60%	20%	5%	40%						
Rain Amount	20-40mm	1-5mm	1-5mm	< 1mm	< 1mm	< 1mm						
Wind Speed	14 km/h	21 km/h	12 km/h	18 km/h	9 km/h	19 km/h	17 km/h	26 km/h	12 km/h	21 km/h	10 km/h	17 km/h
Wind Direction	↑ S	↑ SSE	↑ S	↑ SE	↑ NNE	↑ NE	↑ NNW	↑ WNW	↑ NW	↑ WNW	↑ W	↑ SSE

Find the 'search words' and 'clue words' in the grid. Words can go horizontally, vertically and diagonally in all eight directions. Words within words are not counted. Hyphens, gaps and strikethrough words are not used in the grid. When you are done, the unused letters will spell out a hidden message.



## 06. TRANSMITTERS & RECEIVERS (Fnd)



VK2PAH

S D I T N E M T S U J D A N C I T A T S G  
 H L E R D E T E C T O R E B S L A N G I S  
 T E M V V S D E H C T A M T U P T U O N M  
 D N R S I C I I N C R E M E N T A L B G R  
 I I Q R D A X S R O T A L L I C S O A L O  
 W L Y E E B T T A R E I F I R A L C N E F  
 D N T T N Y T I V I T C E L E S B I D S E  
 N O I T A L U D O M R E V O A D L T C I V  
 A I V I B L O C K N B S S M I I A A O D A  
 B S I M S A F O I D U A P N N O N M N E W  
 R S T S E R E W O P I L N T O E K E T B R  
 E I I N M N O N S M I A E N V I A H R A V  
 V M S A S F O R O T O R G A E M S C O N O  
 I S N R A T E H U I F D W R P T H S L D L  
 E N E T M V A D P E T R U L A C N P I L U  
 C A S G I I E B R O E R I L L M T A U M M  
 S R D E A R E E I I R F O E A E S T O N E  
 N T C E E T N S R L I C U T M T M O D E S  
 A E N X V C S R I E I Q I U S P E A K E R  
 R U I F E O A D R O S T U M L I A D U O L  
 T M O M I C G A I N N T Y I O I D A R O N

### SEARCH WORDS

ADJUSTMENT  
 AMPLIFIER  
 AMPLITUDE  
 BAND CONTROL  
 BLANK  
 BLOCK DIAGRAM  
 CARRIER WAVE  
 DEVIATION  
 DIAGRAMS  
 DISTORTION  
 EMISSIONS  
 INTERFERENCE  
 LOUD SPEAKER-  
 LSB  
 MIC GAIN  
 MICROPHONE  
 MIXER  
 MODES  
 MODULATED  
 MUTE  
 NOISE  
 OSCILLATORS  
 OUTPUT MATCHED  
 OVER MODULATION  
 QRM  
 RADIO  
 RECEIVERS  
 SCHEMATIC  
 SIGNAL  
 SINGLE SIDEBAND  
 SPEAKER  
 SQL  
 SQUELCH  
 SSB  
 STABILITY  
 STAGES  
 STATIC  
 TONE  
 TRANSMISSION LINE  
 TRANSMITTERS  
 TUNE  
 TXCVR  
 VFO  
 VOLUME  
 WAVEFORMS

### CLUE WORDS

- In a simple receiver block diagram, name the section before the RF Amplifier. \_\_\_\_\_(7).
- In a simple transmitter block diagram, name the section between Antenna and Modulator. \_\_\_\_\_(5) amplifier.
- What block is found in both transmitter and receiver? \_\_\_\_\_(5) amplifier.
- When both receiver and transmitter are combined they are usually known as a \_\_\_\_\_(11).
- Another name for 'fine tuning' or RIT. C \_\_\_\_\_(9).
- The 'I' in RIT is \_\_\_\_\_(11).
- The amount of frequency spectrum the signal occupies is known as \_\_\_\_\_(9).
- Name the receiver's ability to pick up a weak signal. \_\_\_\_\_(11).
- Name the receiver's ability to pick one signal from another when frequencies are close. \_\_\_\_\_(11).
- The \_\_\_\_\_(8) in an FM Receiver is called a Discriminator.

HIDDEN MESSAGE \_\_\_\_\_

ANS: [https://drive.google.com/file/d/1F2LrE\\_tn-kIZUUtHs8b3R3eRzW0Mz85E/view?usp=sharing](https://drive.google.com/file/d/1F2LrE_tn-kIZUUtHs8b3R3eRzW0Mz85E/view?usp=sharing)

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

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