



SARCNEWS 2021:09:13

## SARC RADIO NET NUMBERS/CHECK INS

**Weekly HF Dawn Patrol – 81** – For week ending Fri, 10SEP2021.

**Monday – 6** – Using ZOOM for SARC meetings.

**Tuesday – 7** – See report below.

**Wednesday – 6** - Radio / PC interfacing.

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

**Friday 80m Net – 5** – See report below.

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

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

## UPCOMING EVENTS 2021

### OCEANIA DX CONTEST (PH)

Sat-Sun 02-03 October.  
(see link below)

### OCEANIA DX CONTEST (CW)

Sat-Sun 09-10 October.

### COMITTEE MEETING

Sunday 10 October @ 1300 hrs

### JOTA-JOTI

Sat-Sun 16-17 October

<https://www.oceaniadxcontest.com/>

## Tuesday-Net Report

## DIGITAL MODES

- Paul VK2AMT

TUESDAY SEPTEMBER 07 2021

Joining Paul VK2AMT with the club callsign of VK2SRC were: Chris VK2ACD, Bruce VK2RT, Dave VK2ZDR, John VK2JWA, Jeff VK2WSR. Andrew VK2AKK was also ready to decode the digi traffic, transmit still not quite there. We had our two normal rounds on 2 metres Parrots Nest before QSYing to HF.

We settled on 3580 USB, Fldigi and Olivia 8-500. Bruce had a great signal from the end fed long wire, 100 watts definitely helped there. Chris was having transmit problems with the K3 audio but switched over to the 991A towards the end. That radio worked fine. The band was reasonably good, but some fading was evident but that didn't produce any decoding problems. Andrew was decoding everything pretty well and that is good news.

Another good run on 80 metres, making the most of the quiet weather conditions (no storms!) Thanks to all who logged in and participated.

## Friday-Net Report

- Chris VK2ACD

Friday night 80m net. Heavy radar interference across the middle of the band, moved to 3555 for a fairly short net of general chat.

## WANTED - A TREASURER

contact: [vk2src@gmail.com](mailto:vk2src@gmail.com)

The unfortunate news this week is that our long serving treasurer, Kris VK2KWW, has had to resign for personal reasons. So we are now looking for someone to take on that role. This person would normally also become a committee member.

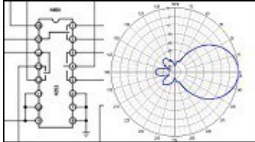
Most of the job is looking after the bank accounts and providing information on balances and income/expenditure to the monthly meetings. We don't use any accounting software. All banking is done on-line and the committee will help with training.

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

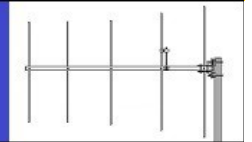
Rob VK2ELH has lost his loyal canine companion of almost two decades. The years finally caught up with Tilley and she passed away this week with Rob by her side. Tilley was a regular at the SARC clubrooms and a friend to us all. As one member expressed it "Not a mean bone in her body". We'll all miss Tilley and our hearts go out to Rob for the loss of his loyal companion.

Editor's Note: My first impression of Tilley was, 'Now there is a real Aussie country dog'. I'll miss her going around, saying hello, to all the clubhouse members.

## WHAT'S NEW?



# HOMEBREWING PROJECTS by SARC MEMBERS



Dear SARC Members. Please feel free to share your homebrewing experiences with other newsletter subscribers. Be aware that the newsletter is data-sized restricted, and may not become a full article feature in the newsletter. To overcome this, you can provide a short abstract, with a hyperlink to the full article, as with the Prototyping Station project shown below.

I am using Google Drive (Cloud), which is free up to 15Gb.

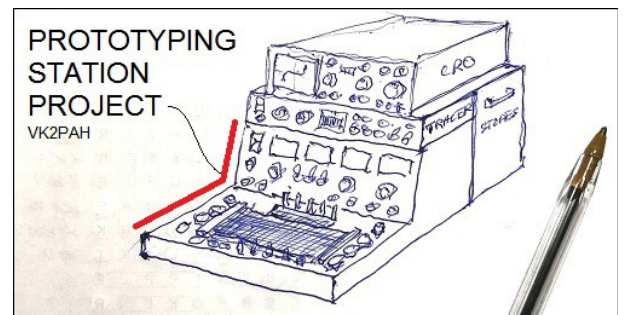
## PROTOTYPING STATION PROJECT

- Peter VK2PAH

### ABSTRACT

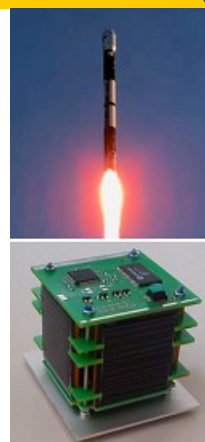
I have recently restarted a project after waiting many months for all the parts to arrive. The homebrew project is my attempt to create a prototyping station (breadboard work station). I am hoping this project will be the starting point of many other Ham circuits to come.

Click on the doodle image to open a PDF on where I am with the project so far.



## OTHER INTERESTING BITS

Click on (2) images below to open.



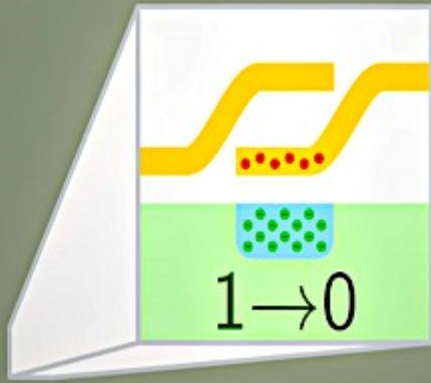
Also, the Firefly launch failure: <https://www.youtube.com/watch?v=qFjoPw0CfAU&t=5s>

What goes into these cube type Nanosatellites?

[file:///C:/Users/Owner/Downloads/RadFxSatMission-Brian\\_Sierawski.pdf](file:///C:/Users/Owner/Downloads/RadFxSatMission-Brian_Sierawski.pdf)

continued...

# Single Event Upset (SEU)



From the PDF hyperlink above, you may have noticed on page 4, 'Radiation Effects in Space', the subtopic 'Single Event Error' (SEE). The Single Event Upset (SEU) is a form of SEE.

I had a quick look around the Internet and came across the SEU – a very interesting video on what it is all about.

I wonder if hams have experienced similar effects during digital communications.

SEU explained: [click on image to open](#).

## 6-DAY LISMORE WEATHER (FORECAST)

[click on image to open WEATHERZONE](#)



	Tue Sep 14	Wed Sep 15	Thu Sep 16	Fri Sep 17	Sat Sep 18	Sun Sep 19
Summary	Mostly sunny	Mostly sunny	Mostly sunny	Mostly sunny	Mostly sunny	Mostly sunny
Maximum	22°C	21°C	21°C	23°C	27°C	28°C
Minimum	8°C	5°C	5°C	5°C	5°C	9°C
Chance of Rain	20%	5%	5%	10%	5%	90%
Rain Amount	< 1mm	< 1mm	< 1mm	< 1mm	< 1mm	< 1mm
Wind Speed	12 km/h	23 km/h	17 km/h	26 km/h	13 km/h	23 km/h
Wind Direction	WSW	SSW	SSW	S	SSW	SSE
					SSW	SE
					NNW	NNE
					WNW	ESE



## FUN PAGE

Last week's Word Search solutions:

<https://drive.google.com/file/d/1vjagMfY7SMZs5kb3HSfybBPn6g0PxKfi/view?usp=sharing>

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.



## 02. LICENCES & ALLOCATED FREQUENCY BANDS



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

### SEARCH WORDS

ADVANCED  
ALLOCATED  
APPARATUS  
BAND PLANS  
BANDWIDTHS  
BEACON  
CONDITIONS  
DETERMINATION  
EHF  
ENVELOPE POWER  
EMISSIONS  
FOUNDATION  
FREQUENCIES  
LICENCEES  
MEAN POWER-  
METRE  
MODES  
OPERATE  
PEAK  
PEP  
REPEATER  
RESTRICTIONS  
SSB  
STANDARD  
STATION  
VHF  
WATTS

### CLUE WORDS

1. Amateur radio licences are certificates of \_\_\_\_\_(11).
2. You must be \_\_\_\_\_(9) to apply for an amateur licence.
3. Licence conditions help you communicate safely and without \_\_\_\_\_(12).
4. To apply for an amateur assigned licence, you should contact an \_\_\_\_\_(10) person.
5. There is no \_\_\_\_\_(7) age to operate an amateur station.

### HIDDEN MESSAGE

For those that need to know the solutions before next week:

<https://drive.google.com/file/d/12Lg9L-Q8Thzom8lox7QA9I7Un6bmtKn/view?usp=sharing>

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

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