



SARCNEWS 2021:10:25

SARC RADIO NET NUMBERS/CHECK INS

Weekly HF Dawn Patrol – – For week ending Fri, 23 OCT2021.

Monday – 3

Tuesday – 4

Wednesday –

Thursday Net – 4 – On 2 metres, Woodburn.
- 3 - On 6 metres, Parrots Nest.

Friday 80m Net – No HF again this week due to storms. <https://www.wia.org.au/members/contests/vhfuhf/>

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

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

UPCOMING EVENTS 2021

COMMITTEE MEETING

Sunday 14th November @ 1300hrs

SPRING V/UHF FIELD DAY

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

Covid-19 restrictions: October 17 update

The lockdown has ended and the clubrooms will be open as normal. Covid precautions apply. Contact tracing log in via the phone app or login form is mandatory.

Changes to the Dawn Patrol Net

- Jeff VK2WSR

Due to Daylight savings being implemented in NSW, SARC has changed some aspects of the long running Dawn Patrol Net. The changes are as follows:

The name is changed to "Dawn Patrol Summer Edition" for the duration of EADT.

It will start at 7.00am EADT (6.00am QLD time) Monday to Thursday, and 8.00pm on Friday nights -there will be no net on Friday mornings.

The coordination will be shared between VK4YE, VK4CW and VK2WSR for the moment. Any others that could volunteer their time to coordinate would be most welcome.

The frequency will remain at 3.604MHz.

While it is realised that these times may not suit all participants of the Dawn Patrol, any suggestions that would be more inclusive to all will be considered.

Those that can join the "Dawn Patrol Summer Edition" are most welcome.

An additional Report

- Reg VK2MNM

Hi all. Just to let you know we have linked daily at the moment the VK2SRC-R Mt Nardi to the Gold Coast Repeater morning nets on a trail to see how it goes. All welcome to join, any day runned by a different operator. It starts 8:00am QLD 9:00am NSW times but not Sunday due to broadcasts there is various links and call ins from all over world and some times is still going for a while so pop in to say hello to the neighbours in Qld. - Reg VK2MNM Net controller Sats.

Tuesday-Net Report

DIGITAL MODES

- Paul VK2AMT

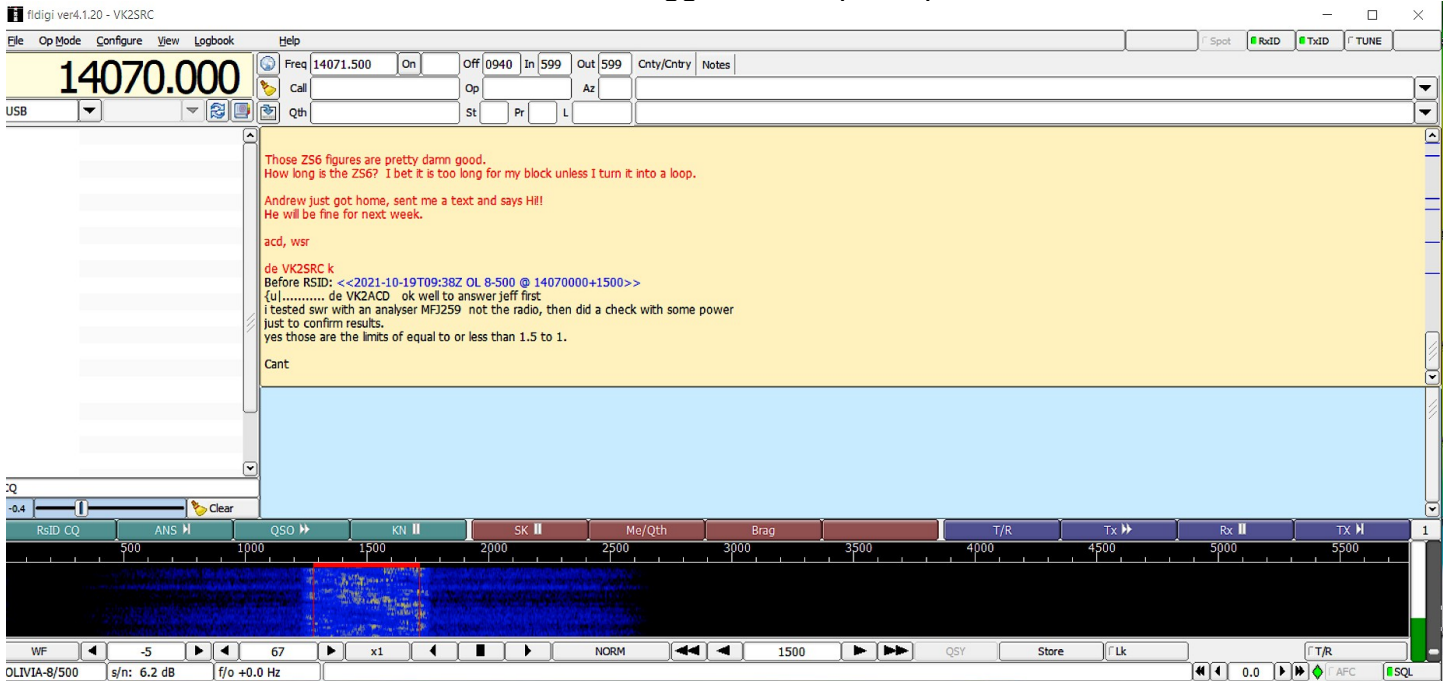
TUESDAY OCTOBER 19, 2021

For this weeks Digi net we had Chris VK2ACD and Duncan VK2DLR logging in on 2 metres Parrots Nest. Only Chris was able to stay so we both QSY'd to the 80 metre frequency we have been

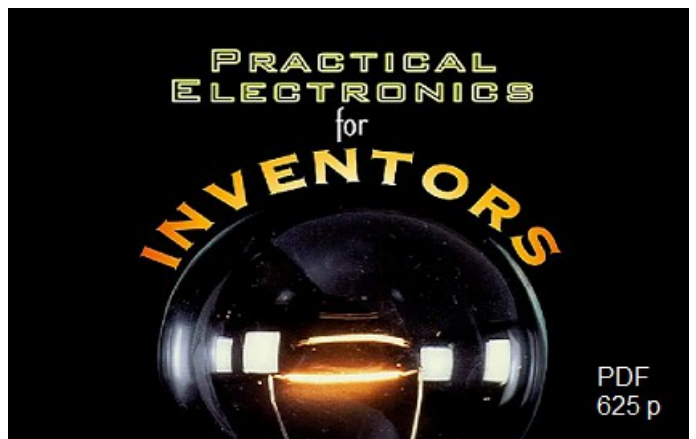
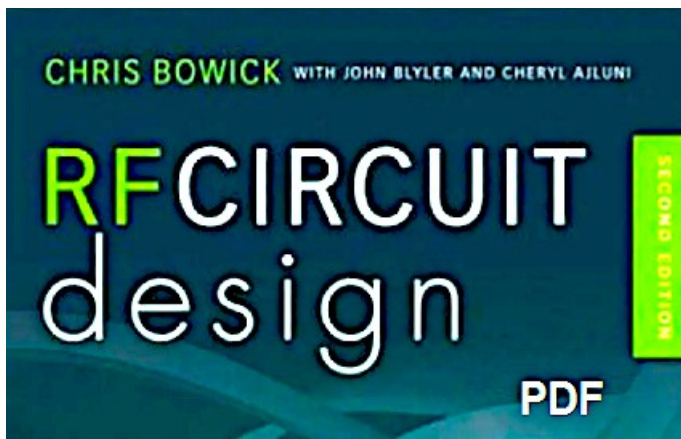
using for a few weeks, 3.570 USB. I has hoping that we would see Jeff there on 80 metres. We used Fldigi and Olivia 8-500.

The band noise was truly horrible, a wall of noise, with storms coming up west of Grafton but we both decoded Jeff reasonably well. We both lost the occasional character from him due to the conditions. Chris had analysed the ZS6BKW wire antenna that he has been using and measured less than 1.5 to 1 SWR on 40, 20, 17, 12 and 10 metres. Pretty good figures and better than a G5RV antenna would do. Another good net, even though there were only three of us with good technical discussion.

Next week we will experiment with 40 metres with Olivia 8-500, since it has proven itself to be so effective on 80 metres. Thanks to all who logged in and participated.



OTHER INTERESTING BITS [Click on \(4\) images below to open.](#)



POSITIONS VACANT

SARC is looking for persons to fill the following vacancies –

- Treasurer**– basic ability with organising and reporting on club finances, no software involved.
- Dawn Patrol Net Controllers** – we need persons from the local area to do one day a week running the 80m net at 0700 Monday to Thursday. A good 80m station is required, such that you can hear and be heard by most of the participants.

Contact the committee if you are interested: vk2src@gmail.com

LAST WEEK's NEWSLETTER ERRATA

- Peter VK2PAH


Transmission Lines & SWR

Interestingly, Nuts and Volts sent me an update of the 'Transmission Lines and SWR' article, with the amended ½ wave with its correct ¼wave inscription in fig 2.

<https://www.nutsvolts.com/magazine/article/january2016> HamWorkbench SWR

6-DAY LISMORE WEATHER (FORECAST)

click on image to open WEATHERZONE

	Tue Oct 26	Wed Oct 27	Thu Oct 28	Fri Oct 29	Sat Oct 30	Sun Oct 31
	Summary					
	Possible shower	Possible shower	Mostly sunny	Possible shower	Possible shower	Possible shower
Maximum	25°C	27°C	31°C	29°C	33°C	25°C
Minimum	13°C	13°C	14°C	17°C	18°C	15°C
Chance of Rain	50%	40%	40%	80%	70%	80%
Rain Amount	< 1mm	< 1mm	< 1mm	1-5mm	1-5mm	5-10mm
Wind Speed	13 km/h	22 km/h	6 km/h	16 km/h	9 km/h	16 km/h
Wind Direction	SSW	SE	SSW	ESE	N	N
	NNW	NNW	NW	SSW	S	SSE



Aurora Australis from ISS

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.



08. PROPAGATION (Fnd)



R	E	Y	A	L	N	O	I	S	R	E	V	N	I	T	A	E	H	SEARCH WORDS
P	R	K	D	I	F	F	R	A	C	T	I	O	N	O	N	P	W	SOLAR ACTIVITY
G	A	S	N	A	R	E	D	U	C	T	I	O	N	O	T	T	A	BOUNCED
G	O	P	O	E	A	E	L	C	Y	C	T	N	F	R	H	I	L	SOLAR CYCLE
O	E	W	I	O	N	I	S	A	T	I	O	N	O	E	N	I	E	DIFFRACTION
S	V	N	T	K	E	O	V	E	S	I	R	P	R	Y	E	T	R	DUCTING
H	A	O	C	F	S	I	Z	O	T	N	O	M	G	R	T	B	A	F TWO LAYER-
H	W	I	E	A	R	T	L	C	H	S	O	A	E	P	E	O	U	IONISED GAS
I	D	T	L	P	E	A	A	N	P	S	U	H	T	N	O	U	Q	HEAT INVERSION LAYER
N	N	A	F	O	R	R	D	H	D	E	P	N	T	U	R	N	S	INCIDENT WAVE-
C	U	G	E	S	F	I	E	I	G	S	G	O	S	E	M	C	E	SOLAR INDEX
I	O	A	R	E	N	R	S	D	O	G	I	E	A	P	L	E	S	INVERSE SQUARE LAW
D	R	P	R	A	E	T	E	N	L	F	N	N	S	F	O	D	R	IONISATION
E	G	O	T	E	A	E	O	R	I	A	A	I	D	A	T	T	E	IONOSPHERE
N	L	R	E	N	F	I	E	N	I	L	Y	D	T	E	H	A	V	KNIFE EDGE DIFFRACTION-
T	V	P	C	I	D	E	P	P	A	R	T	E	I	C	X	P	N	LINE OF SIGHT-
E	S	E	N	O	U	R	E	L	E	V	E	N	R	N	U	A	I	MESOSPHERE-
N	T	K	E	Y	T	I	V	I	T	C	A	N	N	S	G	D	A	PHASE

CLUE WORDS

- The ionosphere comprises _____(6) of ionised gas at varying heights above ground.
- Which ionised gas layer is found between 160-210 km high? F _____(1,3).
- Long-distance HF communication relies on propagation by ionospheric _____(10).
- Time of day, season, frequency, and solar activity effect HF _____(11).
- Radio waves get weaker with _____(8) as they propagate from the antenna.
- Radio waves can be refracted, or B _____(4), when they travel through a layer in the ionosphere that is ionised.
- A G _____(6,4) is almost exclusively a low to medium frequency phenomenon.
- The solar activity has an apparent _____(6) year cycle.

HIDDEN MESSAGE _____

ANS: https://drive.google.com/file/d/1diAQnl_mVxwrGgk1PmwO8zqnYZBNqBav/view?usp=sharing

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

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