



SARC NEWS 2021:10:16

SARC RADIO NET NUMBERS/CHECK INS

Weekly HF Dawn Patrol – – For week ending Fri, 15OCT2021.

Monday – 6 - Opening up & club clean up.

Tuesday – 6

Wednesday – 6 - Retirement

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

Friday 80m Net – 4 - HF too noisy, ended up on Zoom.

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)

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

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.

Committee Meeting Report_ 2021-10-17

- Chris VK2ACD

A productive, sunny day at the clubrooms on Sunday - in the morning the giant jumbled pile of metal against the north wall was sorted. Any useful stuff was put aside and the rest loaded into Ross' trailer, cut up with a drop saw as necessary. We also dragged out a whole lot of plastic and timber rubbish. Thanks to Ross ARD, Paul AMT, Chris ACD and our newest member John VK2ZJJ for a huge effort.

After that we had the committee meeting. A rather low attendance but we did have members take part via Zoom. Most of the business was routine stuff, but here are a few noteworthy points:

The club has accepted the resignation of our treasurer VK2KWW. Thanks Kris for your consistent and accurate work over many years. Chris VK2ACD is looking after the finances until we can find a new treasurer. Our financial position is good, we have transferred some money from the fixed-term investment account across to our projects account, to pay for the upcoming clubhouse works.

The electrician has already done the cable rejigging and very soon the underpinning of the north wall foundations will commence as well as removal of the old concrete water tank. Thanks Ross for overseeing all this.

Rob ELH reported that we are getting closer to acquiring the licence for the new VK2RNR repeater at Mallanganee. Thanks Rob and others for perseverance. There was other discussion about repeater links, Yaesu fusion systems, etc. It was agreed to join in a VK4 net arrangement via the Mt.Nardi repeater.

Welcome to new members, John and Kim, and returning member David. We have several persons interested in gaining a ham licence. The plan is for ACD and Duncan DLR to coordinate to provide training and assessments.

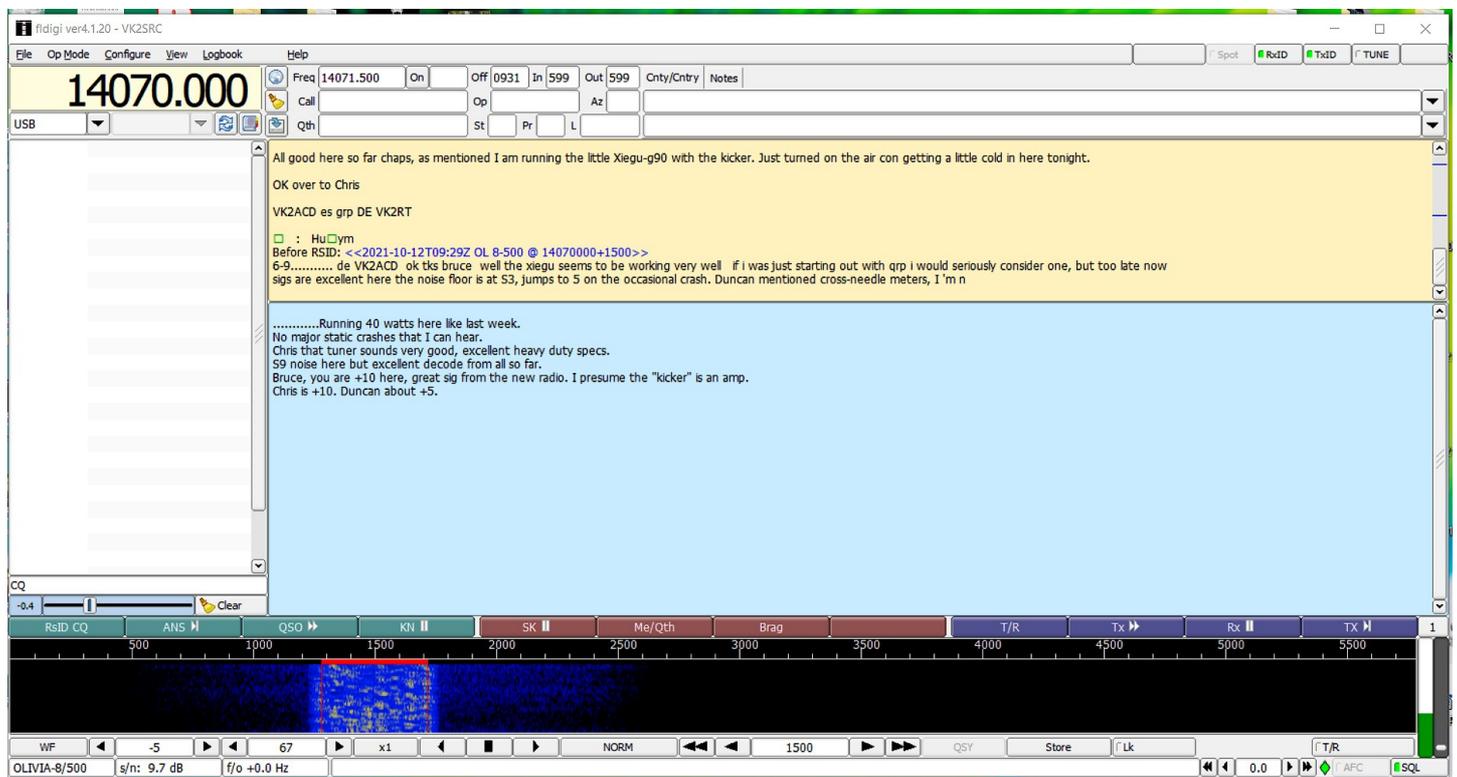
After the meeting, more work was done - the club shack was cleaned out prior to the underpinning works. The plan is to expose the east wall to treat termite damage and to relocate cabling from the tower, as well as redesigning the equipment layout. And of course a bit of ragchew.

TUESDAY OCTOBER 12, 2021

Tonight Paul VK2AMT as VK2SRC was joined by Duncan VK2DLR, Bruce VK2RT, Chris VK2ACD and Dave VK2ZDR. Andrew VK2AKK dropped in for a couple of overs in Fldigi once we QSY'd to 80 metres. We had our normal couple of rounds on 2 metres Parrots Nest then QSY'd to 80m (3670 USB), Fldigi and Olivia 8-500.

There didn't seem to be any real storm activity with only occasional static crashes. Bruce was using the new Xiegu G90 HF radio. Initially he used the SB220 amp, driving it with 10 watts, giving 100 watts, but went back to using just the rig at 10 watts. Initially I was at 40 watts and dropped down to 5 watts after a couple of overs and the signal strength didn't suffer at all. Chris also was using only a few watts. We were all very pleased to see Andrew VK2AKK transmitting and decoding successfully for a short while, good to see everything working so well for him.

The band conditions were pretty good, allowing the use of some low power signals that still didn't degrade decoding. Another excellent net with some good technical discussion and another demonstration of Olivia 8-500's capabilities. It really is currently the best keyboard mode.



The screenshot shows the Fldigi software interface. The main window displays a chat log with text from participants including Paul VK2AMT, Duncan VK2DLR, Bruce VK2RT, Chris VK2ACD, and Dave VK2ZDR. The chat log shows technical discussions about the Xiegu G90 radio and power levels. The interface also shows a frequency display of 14070.000, a signal strength meter, and a waterfall display at the bottom.

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

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.



TRANSMISSION LINES AND SWR

Editor's note: fig 2 shows ¼ wave, not ½ wave.

6-DAY LISMORE WEATHER (FORECAST)

click on image to open WEATHERZONE



| | Tue Oct 19 | Wed Oct 20 | Thu Oct 21 | Fri Oct 22 | Sat Oct 23 | Sun Oct 24 |
|----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|
| Summary | Possible thunderstorm | Possible shower |
| Maximum | 26°C | 24°C | 24°C | 27°C | 32°C | 28°C |
| Minimum | 11°C | 10°C | 10°C | 11°C | 13°C | 15°C |
| Chance of Rain | 80% | 90% | 80% | 60% | 50% | 60% |
| Rain Amount | 1-5mm | 1-5mm | 5-10mm | 1-5mm | < 1mm | 5-10mm |
| Wind Speed | 9am 8 km/h 3pm 18 km/h | 9am 9 km/h 3pm 17 km/h | 9am 7 km/h 3pm 15 km/h | 9am 5 km/h 3pm 14 km/h | 9am 8 km/h 3pm 17 km/h | 9am 11 km/h 3pm 19 km/h |
| Wind Direction | 9am WNW 3pm SE | 9am WSW 3pm SE | 9am SW 3pm ESE | 9am W 3pm E | 9am NNW 3pm N | 9am SW 3pm SSE |

Editors note. RE: Puzzles

- Peter VK2PAH

I wish to acknowledge Eric VK2VE for his quick weekly responses to the puzzles, and pointing out any errors that may have bypassed my scrutiny. In doing so, Eric has helped me to archive these puzzles 'trouble-free' so to speak for future ham licence candidates to play with. To explain, here is a communique between us over last week's puzzle:

Peter:

I am happy when I don't hear any mishaps from you about the puzzle. It saddens me when that happens. I don't want to make the puzzles any harder due to errors. Thanks for your replies. Keep up the good work. If you don't mind, I would like to mention your participation of these puzzles in the next newsletter.

Eric:

Hi Peter, as you know, I enjoy doing all sorts of puzzles. Helps keep the brain active. I actually found this one quite an easy one.

I have no problem with you mentioning my participation in the newsletter.

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.



07. TRANSMISSION LINES & ANTENNAS (Fnd)



VK2PAH

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

SEARCH WORDS

ANTENNAS
 BNC
 CO-AXIAL
 DIRECTIVITY
 DUMMY LOAD
 END-FED
 FOLDED DIPOLE-
 ANTENNA GAIN
 GROUND PLANE
 HALF-WAVE
 IMPEDANCE
 INSULATION
 ISOTROPIC
 LADDER LINE
 ANTENNA MATCHING
 SWR METER
 N-TYPE
 OMNI DIRECTIONAL
 POLARIZATION
 QUARTER WAVE
 RADIAL
 SMA
 STANDING WAVE
 CABLE TERMINATIONS
 TRANSMISSION LINES
 ANTENNA TUNING UNIT
 UNIDIRECTIONAL
 VERTICAL
 VSWR
 WIRE

CLUE WORDS

- The 'R' in ERP. _____(8).
- The unit of measurement generally used in expressing ERP. _____(7).
- An antenna is _____(8) when its length is related to the wavelength of operation.
- The 'R' in SWR. _____(5).
- A _____(4) is a type of narrow beam antenna.
- An SWR between 1.5:1 to 3:1 needs antenna adjustment or compensating using an _____(1,1,1).
- A *Ladder line* is also referred to as a _____D (8) lined.
- What sort of antenna radiates most of its power at an angle *broadside* to the wire? _____(6).
- Checking for a low resistance between two conducting points is called a _____(10) test.
- When connecting an unbalanced line to any balanced antenna, it is good practice to use a _____(5).

HIDDEN MESSAGE: _____

ANS:https://drive.google.com/file/d/1cCgPilhoNV6h_Ec8wWuYMaZYgePFWJHu/view?usp=sharing

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

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