



SARC NEWS 2021:11:02

SARC RADIO NET NUMBERS/CHECK INS

Weekly HF Dawn Patrol – 19 – For week ending Thu 04NOV2021.

Monday – 6 - Zoom updates & things to try.

Tuesday – 5

Wednesday – 3 - FT991A accessories (see more below).

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

Friday 80m Net – 7.

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)

LICENCE COURSE & EXAMS

Sat-Sun 11-12 December
@ 0900 - 1700hrs

Spring VHF/UHF Field Day

- Chris VK2ACD

VK2SRC portable will be operational for the field day 27-28 November. The location is again at Vista Point, west of Coffs Harbour, a lookout spot high up in the Mt. Hyland Nature Reserve. The grid locator is QF69FU.

Details on club frequencies as they come to hand.

Rules of the contest are here – <https://www.wia.org.au/members/contests/vhfuhf/>

Tuesday-Net Report

DIGITAL MODES

- Paul VK2AMT

TUESDAY NOVEMBER 02, 2021

For this evening, Paul VK2AMT as VK2SRC was joined on 2 metres by Chris VK2ACD, Dave VK2ZDR and Duncan VK2DLR. Since everyone was ready to do digi we QSY'd to our 40 metre frequency of 7.045 MHz USB, Fidigi, Olivia 8-500, where we hoped to pick up Jeff VK2WSR.

The screenshot shows a software interface for digital modes, likely Fidigi. The main window displays a chat log with the following text:

```

Fixed now.
The group tonight L
Digi as the Dawn Patrol this mornin&
I&feel i'm starv to get the hsn8 o79, n3s now. Untl @ Jurphy steps in. Yhihi.
Very stValJ$ z nQls from all exett Paul, But gre F decode from al-
Dropped to 40W.
Over to Duncan

VKDLR es GRP VK2WSR
63s eGBZ
Before RSID: <<2021-11-02T09:39Z OL 8-500 @ 14070000+1500>>

VK2WSR ES GP de VK2DLR
.....
All good decode...

Had a yarn with Malcolm VK2OTA

.....Roger, thanks Chris for the report. some gremlins still here.
Tweaked the Pastar to get rid of the swr. The 991a didn't do it.

No sign of anyone else dropping in on the net.
It would be good if someone outside the group puts in a call.

Good idea Chris, spirits are good for mouth and throat cleaning. Whisky is a medicine, I'm sure of that!!!

All good sigs and decode from everyone. Band a bit quieter than last week.
Dave you are fine. WSR is faintest and losing some characters.
Not using noise reduction. Who is that character calling CQ in the digi section?

acq, zdr, wsr, dlr.

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The interface also shows a frequency display of 14070.000 MHz and various control buttons like 'File', 'Op Mode', 'Configure', 'View', 'Logbook', 'Help', 'Spot', 'RxID', 'TxID', 'TUNE', 'Call', 'Op', 'Az', 'Qth', 'St', 'Pr', 'L', 'RstID CQ', 'ANS', 'QSO', 'KN', 'SK', 'Me/Qth', 'Brag', 'T/R', 'Tx', 'Rx', 'TX', 'WF', 'OLIVIA-8/500', 's/n: -3.9 dB', 'f/o +0.0 Hz', 'x1', 'NORM', 'QSY', 'Store', 'Lk', 'T/R', 'AFC', 'SQL'.

There was a fair bit of noise on the frequency but we picked each other up after an over or so. I had to change from the dipole to the vertical to avoid the high SWR message again. The decode was patchy from Jeff and Chris had some problems with Duncan's TX, decode accuracy about 70%.

Chris suggested that we switch to Thor 11 as a comparison so we did. That switch was just before 9pm, which was about the time that the local signals started to weaken. Thor 11 didn't do as well as Olivia 8-500, with decode accuracy dropping a bit. After a couple of overs on Thor 11 we went back to Olivia for the rest of the net.

The static crashes had been getting stronger as the net progressed. Olivia still did a good job but perhaps running a bit more power in noisy conditions will improve the decode accuracy. Another good experiment. Chris suggested that we compare the various versions of Olivia next week and that is a good idea. Thanks to all who logged in and participated.

SARC AMATEUR RADIO LICENCE COURSES - Chris VK2ACD

Licence courses on Dec 11-12 are now fully booked. No more places available.

FT-991A accessories - Duncan VK2DLR

Some time ago the URL for FTRestore was published in Sarc News. This handy piece of freeware has been written by Chris VK2BYI and available on his website at <https://www.vk2byi.com.au/ftrestore/> It's a great software and helps FT-991A and FT-DX series operators manage the radio memories and menu settings.

Andrew VK2AKK has found some interesting FT-991A hardware accessories. Another Chris, this time ZL1CVD makes CatMeters and CatKnobz and other accessories for a range of Yaesu radios. CatMeters is an external display that lets 991 operators view a range of operational parameters simultaneously. CatKnobz is the answer for those who wish the 991 had more knobs and fewer menu items. It doesn't mess with the menu items but lets you set up an extra six knobs that you can program to the menu item of your choice.

Check out Chris's video https://www.youtube.com/watch?v=uu2Ogu_CcdI on YouTube. Then go to his website <https://www.catknobz.com/>

Thanks to Andrew for finding another site showing New Zealand innovation.

OTHER INTERESTING BITS Click on (4) images below to open.



BEGINNING TO BUILD WITH TUBES



CONSTRUCTION OF A LOW BUDGET 180 MHz RF SWEEP GENERATOR



BUILD A HAM RADIO VOICE KEYS FOR THE BACKPACK

6-DAY LISMORE WEATHER (FORECAST). Click image to open METEYE (2480 for Lismore).

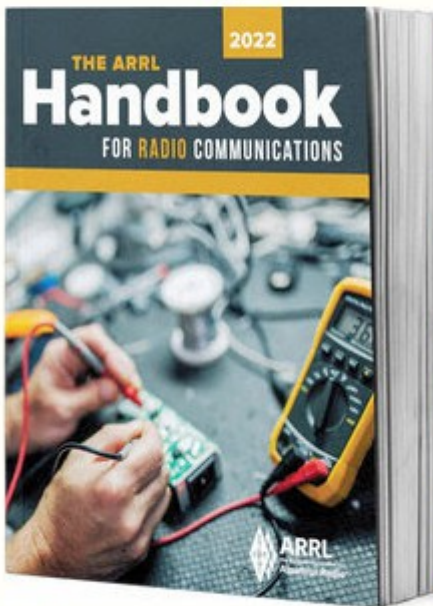


Forecast for East Lismore

	Mon. 8 Nov	Tue. 9 Nov	Wed. 10 Nov	Thu. 11 Nov	Fri. 12 Nov	Sat. 13 Nov	Sun. 14 Nov
Max (°C)	29	28	28	29	31	28	27
Min (°C)	–	17	16	19	17	17	13
Chance of rain (%)	–	60	70	95	80	5	10
Rainfall range (mm)	–	0 to 1	0 to 6	15 to 30	8 to 15	0	0
Issued 08 Nov 2021	Detail	Detail	Detail	Detail	Detail	Detail	Detail

The 2022 ARRL Handbook for Radio Communications is Now Available

The ARRL Handbook for Radio Communications for 2022 is a must-have for every radio amateur's bookshelf. Whether you're an experienced ham or new to the hobby, you'll find information you can use to advance your amateur radio knowledge and skills. This current,



comprehensive, and complete reference is available in three formats - traditional [softcover](#), a six-volume, shrink-wrapped [book set](#) (box not included), and digital [eBook](#).

The 2022 edition features new projects and tools, including 3D printing techniques for ham radio construction, battery selection for portable operation, analog-to-digital converter overload, solid-state amplifier linearity, an update on Solar Cycle 25, and more.

The Handbook [six-volume book set](#), ARRL Item No. 1519, ISBN 978-1-62595-151-9, is \$59.95 retail. The Handbook [softcover book](#), ARRL Item No. 1502, ISBN 978-1-62595-150-2, is \$49.95 retail.

Above image has no links.
But you can read more about it in the ARRL LETTER _ November 04, 2021.

<http://www.arrl.org/arrlletter?issue=2021-11-04#toc04>

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.



10. OPERATING PRACTICES & PROCEDURES (Fnd)



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

WORD SEARCH

- ADJUSTMENTS
- AF VOLUME
- ANTENNA
- BAND PLAN
- BAND SWITCH
- BANDWIDTH
- BNC
- BREAK-IN
- CALLING
- CALLSIGN
- CARRIER
- RAG-CHEW
- CLARITY
- CONTACTS
- CONTROLS
- CTCSS
- RADIO DIAL
- EARTHING
- FREQUENCIES
- IDENTIFICATION
- LOAD
- LOGBOOK
- LISTEN
- MICROPHONE
- MODULATION MODE
- MULTI BAND SET
- MUTE
- OPERATE
- OVER
- PAUSE
- PHONETIC ALPHABET
- OUTPUT POWER
- PRACTICES
- Q-CODES
- READINGS
- RF GAIN
- RADIO SHACK
- SIGNAL
- S-METER
- SPEAKER
- STATION
- TIME-OUT
- TRANSCEIVER
- TUNE
- VFO
- VOICE REPEATERS
- VSWR
- WORKING FREQUENCIES

WORD CLUES

1. Always give honest signal _____ S (7).
2. DX is the abbreviation for _____ (8).
3. A Signal Strength Meter is measured in dB for both _____ ING (9) and _____ ING (12) modes.
4. A band plan is used to avoid CROSS-_____ (12) between different licences.
5. The 'DT' in DTMF. _____ (4,4).
6. What is the Q-Code for 'a change in frequency'? _____ (3).
7. The 'SS' in CTCSS. _____ (7,6).
8. You cannot give a signal _____ (8) report via repeater because the signal is not that of the sending station. However you can give a _____ (11) report.
9. The difference between the repeater's input and output frequency is called the _____ (8,6).
10. SO239 is a popular HF antenna _____ T (6).

HIDDEN MESSAGE _____

ANS: https://drive.google.com/file/d/1YewEPqCXa6vXOngW6nhp8x2nEH_KmUwj/view?usp=sharing

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

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