



Sarc Radio Net numbers/check ins:

Weekly HF Dawn Patrol – 75 for the week ending 04th December.

Monday_INFO Net – 7 - News

Tues_Sarc Digi Net – full “*Digital Modes Report*” below

Wed_70cm Net – 5 – Arecibo and Burning Iron.

Thursday_6mtr Net – 5 – Audacity & HamSCI

Friday Night Net – 5 – Qwerty keyboards

Upcoming Events

Committee Meeting

December 13 @ 1300

Summer VHF/UHF Field Day

January 16 & 17 2021

Committee Meeting

January 17 2021 @ 1300

Australia Day

January 26 2021 – **AX** prefix

Peter, Paul and Mary?

No. It's not a return to 1960's folk music. Tonight's edition combines the work of Peter, Paul and Duncan. New Member Peter H – Callsign still working it's way through the AMC / ACMA system has volunteered to have a go at newsletter editor. The change-over was going smoothly until we were hit with a three hour power outage today. Next week will see Peter in the editor's chair and new magic will flow. As a taste of things to come, have a crack at the crossword at the end of the newsletter and let Peter know what you think.

OUTBACK TRAVEL COMMUNICATIONS

It is a dream of many to travel the remote regions of Australia. Communications should be an important consideration, as some regions are quite harsh and remote and it is amazing how many people travel to these areas without even a CB radio. It is important to consider having at least two forms of communications. UHF CB is an obvious necessary service, enabling travellers to contact others over short range, but emergencies can generate a real need to call for help. HF radios such as those made by Codan, Icom and Barrett provide emergency contacts via a HF Network. VKS-737 is the biggest network. Joining a network is mandatory, it is your licensing for that service. Satellite phones can be carried and GPS trackers and personal locator beacons can also be used. These personal locator beacons should only be used if it is a genuine “000” type emergency.

This website contains a wealth of information about all these areas:

<https://www.roamingtheoutback.com/2018/01/4wd-communications-for-outback-australian-travel/>

Where does amateur radio fit in? A HF set can be mounted in the vehicle with a suitable external antenna. Another possibility is a HF set carried in a protective padded bag or case and connected to an external wire antenna slung over a tree branch or via a squid pole. These antennas will generally outperform many vehicle mounted vehicle antennas.

de Paul VK2PMG

DMR at Evans Head this week

If you're out and about in Evans Heat this week listen out on 439.175 MHz. Matt VK2FLY will have his single frequency DMR hotspot operating until about next Sunday December 13th. You can catch Matt on talk group 777. For more information see <https://vkmulti.net> for more information.

DIGITAL Report:

DIGITAL MODES

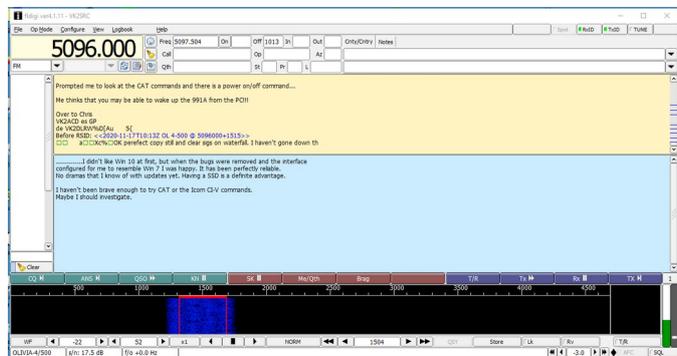
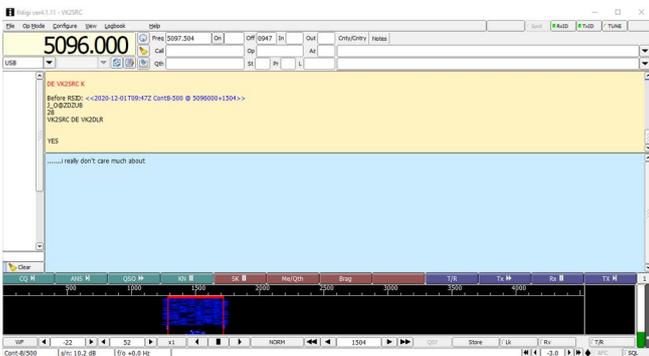
TUESDAY DECEMBER 1, 2020

This evening we had Leith VK2EA, John VK2JWA and Duncan VK2DLR logging in. A pretty small attendance. After a couple of rounds of chat, Duncan followed me to our normal frequency of 144.230 USB. Another 2-man net!

We continued our exploration of Fldigi's various modes, starting with Contestia 8-500. This mode has ten choices of bandwidth and the number of tones ranging from 4-125 to to 64-1000 plus custom, where you can specify your own combination. This mode worked pretty well but transmit power needed to be kept up – 25 watts was good. We also tried others, FSQ-3, not good. PSK500R was particularly good, very fast and we had no problems decoding.

Olivia was also used, 64-2000. In spite of the wide bandwidth and the use of 64 tones, Olivia is still slow. Olivia also has a custom mode. It has excellent abilities over noisy paths, probably the closest mode Fldigi has to matching the WSJT-X suite's performance. In spite of poor attendance, that didn't stop Duncan and I from experimenting with Fldigi numerous keyboard to keyboard digital choices. Thanks to Duncan for being there; keeping the net alive.

Cheers from Paul VK2PMG

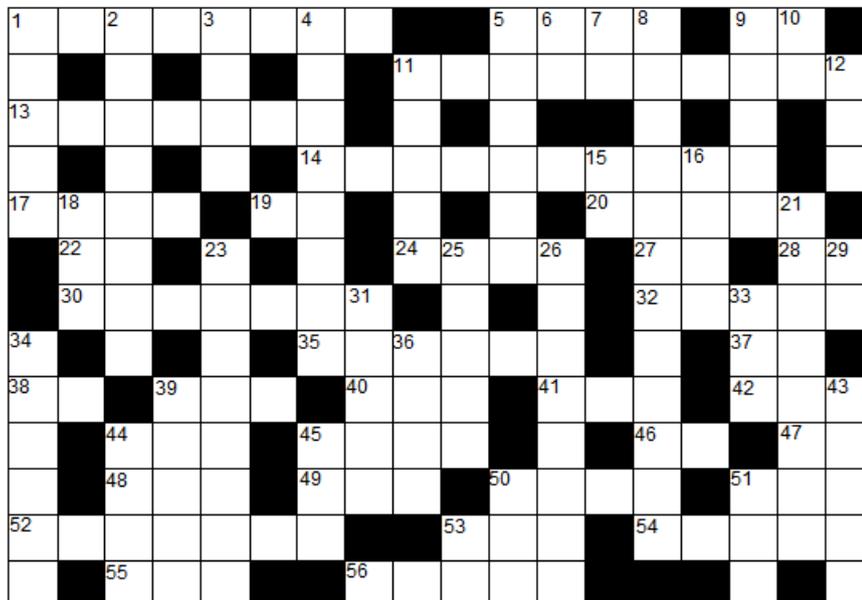


6-Day Lismore Weather (forecast)

“Cooler and chance of rain later in the week”

Mon Dec 7	Tue Dec 8	Wed Dec 9	Thu Dec 10	Fri Dec 11	Sat Dec 12
 Possible thunderstorm	 Mostly sunny	 Mostly sunny	 Mostly sunny	 Possible shower	 Showers
30°C	31°C	26°C	29°C	25°C	24°C
22°C	19°C	14°C	13°C	16°C	14°C
80%	10%	20%	30%	90%	90%
5-10mm	< 1mm	< 1mm	1-5mm	10-20mm	5-10mm
Extreme	Extreme	Extreme			

SARC X-WORD 2020-12-06 solution in next Newsletter.



50. __ stable multivibrator.
 51. Code for communication, AS ____ .
 52. E/R =
 53. Data input (abbr).
 54. Gas discharge lamps.
 55. Not OR logic operation.
 56. Oscilloscope display.

DOWN

1. The 'F' in FET.
 2. Signal transmission.
 3. Transistor current amplification factor.
 4. Unmodulated transmitted signal.
 5. Doughnut shape.
 6. Morse code (. . .)
 7. Megabyte (abbr).
 8. Left-hand circle is related to ...
 9. Excited, " ____ _ ot"
 10. Carbon copy.
 11. Modulation / demodulation device.
 12. Type of wire insulator.
 15. 3-30MHz.
 16. Program instructions.
 18. Intermodulation distortion (abbr).
 21. A theorem for electrical networks.
 23. Generating unnecessary sidebands.
 25. Base-eight number system.
 26. Part of a headset.
 29. Spectrum between visible and microwave.
 31. The 'R' in SWR.
 33. ____ and bolt.
 34. Switch contact rebound.
 36. Traversed electromagnetic beam.
 39. prefix to __ magnetic core.
 43. Signal-to-__ ratio.
 44. Polypodiopsida.
 45. Another term for the Morse 'dot'.
 50. Short for microphone.
 51. A relay to turn on/off the repeater transmitter.
 53. Digital / analog.

ACROSS

1. Output returns to input.
 5. Short for temperature.
 9. Intergrated circuit.
 11. EME communication (4,6)
 13. A common-collector cicuit, __-follower.
 14. Room housing radio equipment (6,5)
 17. Concave antenna.
 19. A logic operation.
 20. All circuitry between Rx antenna and mixer stage, __ end.
 22. Mile (abbr).
 24. Manner of operation.
 27. Inside Diameter (abbr).
 28. *Half a laugh* in CW abbreviations.
 30. Change of relative frequency between source and observer.
 32. Voltage regulator diode.
 35. Rectangular scan pattern.
 37. Spectrum between visible and x-rays.
 38. Type of amplifier, __ -amp.
 39. Facsimile.
 40. Telecommunications Association.
 41. Another abbr for transmit botton.
 42. Decimal for binary code 1010.
 44. Transistor using electric field.
 45. Knob on a radio.
 46. Inch (abbr).
 47. It is not NC.
 48. Emergency response team.
 49. Charged atom.

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