



[Sarc Radio Net numbers/check ins:](#)

HF Dawn Patrol – 54 for the week ending 21st Sept.

Sarc Digi Net -- n/a (no digi report this week)

Wicen Net -- 5 - Should the Wicen net continue?

Wed Tech Net -- 6 - Cables through firewalls

Thursday Night 6m Net-- 4 logged in but the repeater "logged out" for the night...

Friday Night Net -- 5

Lunch Numbers – 7 - Food & family

[SARC news items:](#)

LISMORE REPEATER HUT RENOVATIONS UNDERWAY

Work on renovations to the repeater hut commenced Tuesday 11th Sept, with removal of asbestos-cement sheeting from 2 walls and replacement with Hardiflex sheet. Painting has commenced, the chosen colour is 'Pale Eucalypt' from the Colorbond range. Also a new cable tray has been fitted to the tower to give all feed-lines convenient access from the ladder.

The next task is to put in new footings near two corners where the bearers have rotted. The timber frame is being primed with an anti-fungal preservative. After that, the two remaining walls are to be re-sheeted, including a total replacement of the dilapidated door. Then is is on to the interior, with replacement of the masonite with Villaboard.

Thanks to VK2 – ACD, ARD and KWW for the work so far.

UPCOMING EVENTS

WICEN NR MEETING

October 14 @ 10:00 am - 12:00 pm

COMMITTEE MEETING

October 14 @ 1:00 pm - 4:00 pm

GOLD COAST HAMFEST

November 10 @ 8:00 am - 2:00 pm



DLR out 'n' about:

Narrabri is home to the CSIRO's Australia Telescope Compact Array. It consists of six 22m diameter dishes linked together to work as a radio frequency interferometer. Five of the dishes are on a 3 km length of railway that allows them to be best positioned for the observations being performed.

How faint a signal can it receive? These people talk in terms of a "strong" signal of "about a hundredth of a millionth, of a millionth of a watt (10^{-14} W)."

Receiver bandwidth covers from 3mm out to 20cm. In amateur radio terms; 23cm is too low a frequency for them!

This site has been used for decades by radio astronomers. Other photos show some of the log periodic or Yagi arrays as well as parabolic reflector antennas. It's an amazing place to visit.

For the younger at heart (read: the world's oldest kid - VK2DLR) there are a couple of interactive exhibits. Two 4m diameter ex microwave dishes are placed about 100m apart facing each other. Talk softly at the focal point of one and be clearly heard at the focal point of the other. The power of the parabola.

The other is a smaller dish about 1500mm diameter and steerable by lever and crank handle. This dish has an amplifier and detector at the focal point. The electronics produce noise through a speaker and signal strength on a meter. Point it at the Sun or elsewhere and the noise and signal strength vary.

There was no one present in the visitors centre while we were there so I couldn't ask questions about a small dipole installed above one of the fences. I suspect it may have been for a "Project Jove" Receiver used to listen to the RF emitted by planet Jupiter.

Check out www.narrabri.atnf.csiro.au for more information to plan your visit.

Duncan VK2DLR and Elizabeth (E2R) spent over

two hours there before DLR drew breath.



{That's it for this week, 73}

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