

# South East Radio Group

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## Repeater report 19 January 2024

Greetings everyone, here is my first report for 2024.  
There has been a lot of maintenance work on the system since the last meeting.

### **Naracoorte 146.650MHz :**

The back up battery has been replaced. Our not so old deep discharge battery packed it in. This has been replaced by Nick and John (thank you Owen for the almost new battery from his van) and Naracoorte has resumed its normally reliable part of the system and making sure signals get through to Willalooka. I believe Nick and Owen are looking into checking the warranty or attempting revitalisation of the battery.

### **Mt Graham 146.800 MHz:**

Mt Graham repeater had developed a dose of the intermittents. Power would sometimes be as expected and at other time barely audible in Millicent. The first trip by John and David isolated the problem to the plug at the end of the TX antenna where it entered the TX cavity. A follow up trip a week later by Maxwell and Peter (with John supervising) replaced the plug after cutting off the corroded section of coax. The old plug also showed signs of corrosion on the pin. All fixed, well at least until we put a proper antenna back on the tower.

### **The Bluff (146.900):**

On Friday the 12th, Leith (safety officer) , Nick and Peter travelled to The Bluff and installed an ex paging antenna array on the tall ex FM station tower. It's a guyed tower but Nick said he felt the safest ever climbing it as it had an internal ladder. The VK5RMG antenna is now about 40 m above ground level. The coax LDF550 now stops at the bottom of the tower but by the time you read this Peter may have competed the run from the tower to the VK5RMG hut with another section of cable (maybe LDF450?) . This is an interesting experiment as Nick reports that he could see Mt Gambier, Millicent and towards Naracoorte from his vantage point. A huge thank you to Nick. There is no truth to the rumour that VK5DJ was holding the spanners for him at 40m.

The **linked VK3RSW repeater** on Mt Richmond is performing well and there are good reports coming from our VK3 friends. Setting the CTCSS (91.5Hz) seems to have cured the problems we were having with overload/intermodulation. When Peter next visits VK3RSW he's taking some ferrite "clip ons" to apply to power supply leads so see if this reduces the interference. It would be nice not to have 91.5 set as we don't want to lock anyone out.

John VK5DJ  
Repeater coordinator