Pleasant Valley Amateur Radio Club Update April 22, 2021

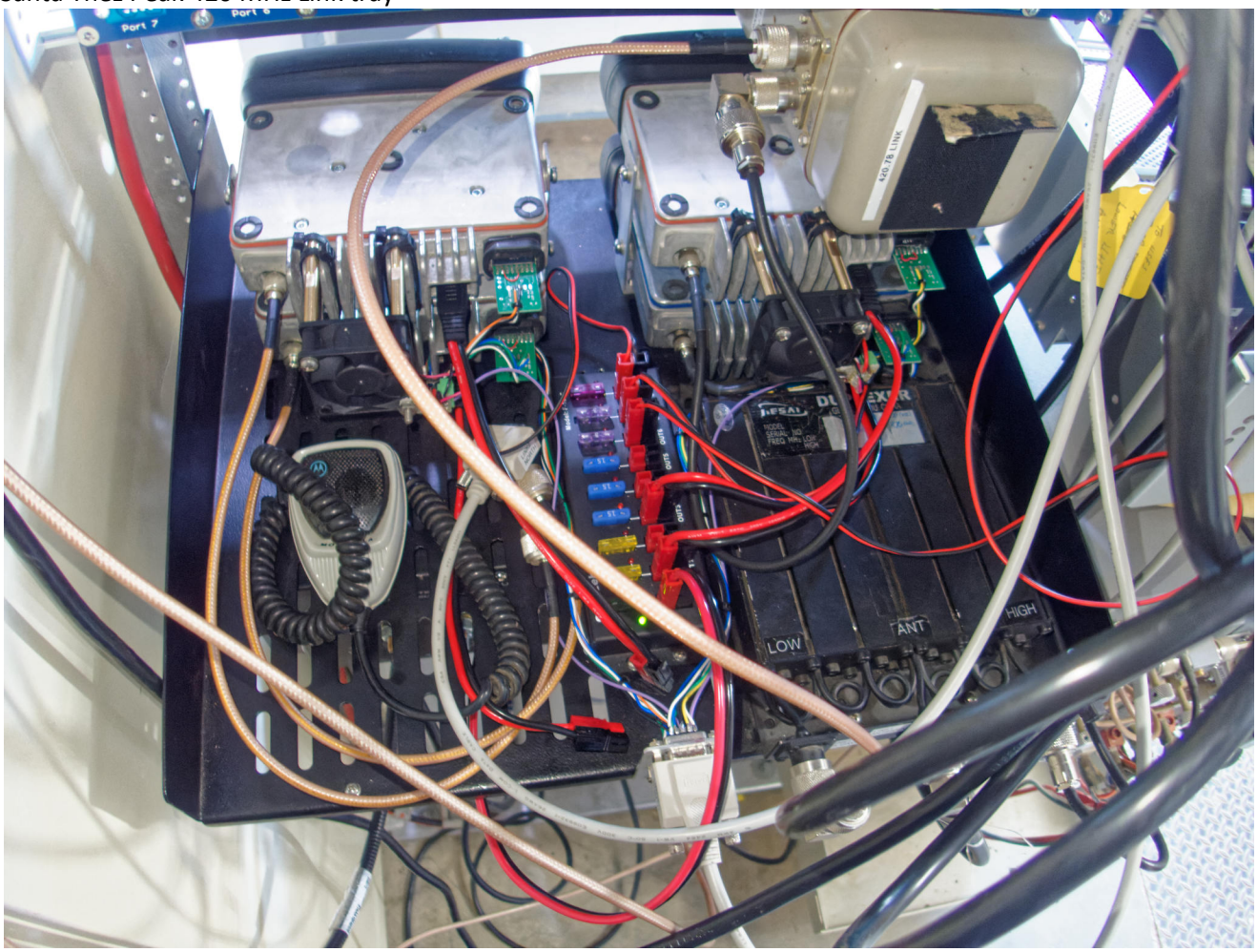
Hello All,

I have a system update I would like to share with you.

Santa Ynez Peak

Two weeks ago the rebuilt 145.16 Santa Ynez Peak repeater was pickup up and delivered to the Santa Barbara Team. Early this week they completed rebuilding of the DC power distribution on the 420 MHz link tray. Today the Santa Barbara Team ventured to Santa Ynez Peak and installed the rebuilt 145.16 repeater. The system rebuild incorporates a new Sierra Radio Systems repeater controller and a duplex 420 MHz RF link connecting to the PVARC repeater system. Prior to this rebuild the systems were linked through a JPS NXU Internet Linking protocol which made the system vulnerable to internet interruptions. This duplex 420 MHz RF link is a notable improvement in audio and expected to be much more reliable than the Internet Linking. This default configuration of this repeater is to be linked link with the PVARC repeater system.

Santa Ynez Peak 420 MHz Link tray



If you notice there are 2 sets of Link radios on the tray. These Link radios were installed in preparation to Link to a future system North of Santa Ynez Peak. In fact the North bound Link antenna and feed line are already installed. Bill W1UUQ and I are working towards installing a repeater system near San Louis Obispo. When SLO is operational we have the seamless ability to communicate throughout the entire ARRL Santa Barbara Section. A future 121.5 Aircraft ELT receiver will be installed to support Santa Barbara Search and Rescue operations.

System view, Motorola Quantar Repeater, SRS Controller, 420 MHz Link TX Band Pass Cavity
420 MHz Link Radios, Astron Power Supply, VHF Repeater 6 cavity duplexer

Santa Ynez Peak Repeater, Output 145.16 MHz (PL 146.2 Hz) - Input 144.56 MHz (PL 127.3 Hz)

Congratulations to the Santa Barbara Team for their dedication and their hard work.

Bill Talanian W1UUQ
Wayne Beckman AF6GX
Michael T Williams W0JFB
Les Merryman KN6CKG

Please contact me if you have any questions or concerns.
Thank you all for your time

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