

Technical Committee Report for 2020

This year we installed our new Yaesu DR2X UHF Repeater. (Thanks to donors). We hooked it up to the Wolf Den Network to experiment with the digital Fusion world. The RF link to the internet is provided by Bob N1EUN from his QTH using his equipment.

Our Echo-Link RF link to the internet was moved to K1TQ Sharie's QTH and put on battery (UPS) backup.

The Association received a donated 12K propane generator that was placed at the repeater site with the help from our landlord Crown Castle to provide redundancy emergency power to all our repeaters for amateur radio emergency services.

Our landlord Crown Castle is also moving our antennas to a designated platform at about the same height on the tower. ATT&T will be extending the tower height about 15 feet and placing their antenna panels on top. As part of this reconstruction, Crown Castle is upgrading the electric, including the generator transfer switch in the building and running the power underground to the building.

In addition, W1WU Frank and N1EUN Bob have fixed our power supply and tuned up the repeaters. We have received from anonymous donors two more dipole bays with mast for 2 meters to be added to our existing two bay Telewave configuration on the tower.

This will increase our 2 meter antennae gain from 3 to 6 db.

N1EUN Bob was appointed to the tech committee.

K1UAF John and W1WU Frank completed additional programming on the repeater's controller. They replaced and installed cooling fans on repeater's PA decks. They also installed relays for power conservation during emergency power situations, and also installed one pass cavity and isolator on UHF repeater.

Sincerely,

K1VZI Lee

Tech Committee Chairman LRRRA