



Sky Valley Amateur Radio Club

Month, Year Meeting Minutes

Sept. 17, 2016

Call to Order: 08:45 by Dave KB7GFL.

Introductions: 10 in attendance.

Secretary/Treasurers Report: \$845.59 in bank account; \$14 in petty cash.

Repeater Status / Net Report: 70cm – op with good to poor Rx (Repeater now at W7BCW's work shop); 2m link – op; APRS – reports of hearing but cannot connect to; 6m – from others report that it is op; NET @ 19:30 hours every Tuesday status by Cybyl N6IBI averaging 6.5 check in's per week.

Old Business: Repeater – has been removed from water tank to workshop of W7BCW. Repeater antenna and transmission line removed to clean connections and check SWR. Here is a synopsis of the W7SKY current 70 cm repeater system: After removing repeater and 2 meter link rig plus duplexer, using MFJ antenna analyzer 70 cm transmission line and antenna combo SWR measured.

444 MHz 5 to 1

449 MHz 3 to 1

After removing antenna, measurement of transmission line only made, same equipment but transmission line terminated in 50 ohm load.

444 MHz 2.8 to 1

449 MHz 1.3 to 1

Height of tower from its base on top of water tank to top of tower 59 feet 9 inches. Measured forward and reflected power from repeater (now @ W7BCW) TX out to TX input port on duplexer.

444 MHz 25 watts forward 7 watts reflected

Measured forward and reflected power from repeater TX out to 50 ohm dummy load.

444 MHz 35 watts forward no meter movement detected for reverse power.

Measured forward power and reflected from repeater TX output to ground plane antenna being used at W7BCW workshop.

444MHz

35 watts forward and less than 1 watt reflected.

Initial look over of antenna and transmission line one can see some corrosion on connection to bulkhead connector going into repeater box and some on antenna jack too.

Kris N7KDM went to container and with friend of his sprayed for bee's and removed dead hives. Presented idea to club in removing rusted up container and replace with wooden structure on already in place concrete pad. Others brought up just cleaning container and painting with roof coating paint to seal holes.

New Business: Dave KB7GFL presented members with a banner from ARRL to place on meeting room door and at any W7SKY events, members seconded go ahead to purchase banner. Dave KB7GFL mentioned that Nov. club meeting guest speaker Kenny KU7M will talk about HAMWAN.

Good of the Order: Devin WA7DCG presentation of how to become a VEC. The books that Tom K8TOM gave to the club last month were raffled off and Kris N7KDM had the winning ticket.

Adjournment: 10:00 hours by Dave KB7GFL