

Date: 2015-01-14

To: Erik Angle, SRMC Emergency Preparedness  
From: John Hestenes and Marty Machado, SRMC Emergency Radio

Subject: **Emergency Radio Report for 2015-01-14 for the Emergency Preparedness Committee**

**Recent Actions:**

- (1) **Radio Net Activity.** Placer County ARES net meetings continue Sunday evenings at 7:30 pm.
- (2) **Everbridge Activity.** The Placer County ARES group has now gotten most active members onto the Everbridge emergency system. The PC ARES leadership team attended an Everbridge training session at 6:30 am this morning.
- (3) **Portable Amateur Radio Kit.** The upgraded Kenwood TM-710G VHF-UHF portable radio kit was used for VHF net control purposes in the test on Saturday, June 10, of the MFJ magnetic loop antenna under consideration for 40-meter band HF communications.
- (4) **40-Meter Magnetic Loop Antenna Test.** On Saturday, June 10, the Placer County ARES radio group assisted the SRMC radio operators in testing a MFJ Magnetic Loop antenna for use on the 40-meter band (test frequency was 7214 KHz). There were 22 radio operators in the test from neighboring counties. Good signal quality was achieved to hospitals and locations in northern and southern California as well as Nevada over significant terrain obstacles for which VHF cannot be used. An executive summary report of the successful test was prepared for the Emergency Preparedness Committee and is attached.
- (5) **Ham Cram Course.** The date for the annual one-day Ham Cram course at SRMC has been set to Saturday June 6. We are working on planning for publication of notices.
- (6) **Other Tasks.** Several tasks had been postponed until after the completion of the upgrades to the portable amateur radio kit and the testing of the Magnetic Loop for HF communications. These tasks include: Software used for packet messaging. Integration of VHF and HF. And, Hamnet communications system for facilities evacuation situations.

**Next Actions:**

- (1) Planning for future drills including Everbridge call-up methods.
- (2) Review of 40-meter magnetic loop antenna tests and designs by radio groups.
- (3) Development of digital packet messaging for SRMC.
- (4) Additional tests will be discussed between SRMC, SHEMS and other regional locations using HF radios and antennas.
- (5) Restart development of the 3.4 GHz wireless hamnet for remote radio operations during evacuations.