

**Minutes from the Meeting of January 7<sup>th</sup>, 2015  
Saratoga Fire Department**

**Attendees:**

The meeting was called to order at approximately 7:30 PM by John Glass NU6P, Vice President. Attendees introduced themselves and the attendance roster was circulated. There were ten attendees – nine SARA members and one guest.

**New Business:**

We discussed replacement of the printer at the EOC.

**Old Business:**

Yin put together a summary for the board for a 40m and above HF antenna project for the fire station. He estimates 22' would be the maximum height – depending on wind loading. Aesthetics are important.

We also discussed ideas for a summer picnic.

**Minutes Approval:**

December minutes were sent to the email list.

**Treasurers Report:**

Don reported \$5339 in the treasury.

**Net Checkin Report:**

December checkins were 17, 17, 12, and 13.

**Emergency Services Report:**

None.

**Calendar Items:**

None.

**Next Meeting:**

Wednesday February 4th. Program TBD.

**Program:** Vernon Price W6RRK discussed baluns, ununs, and how they are used. We also discovered that Vernon was first licensed in 1939!

Vernon discussed skin depth and how the shield on a coaxial cable has signals on both the inside and outside. He then went into transformers, comparing standard style to 'transmission mode' style. The latter was described by Guanella in 1944 and has advantages of much lower losses. He then used an example of a 124' window (off center fed) dipole with a 4:1 balun on the horizontal portion, a 10' extension, and a current choke at the feedline.

**Adjournment:** The meeting was adjourned at 8:52PM.