



THE REPEATER

*Welcome to the monthly
Newsletter publication of the
Fannin County Amateur Radio Club*



K5FRC Repeaters

(100HZ tone on output of all repeaters)

145.470 (No tone) IRLP 3602 ECHOLINK 143902

145.130 (No tone)

443.750 (No tone) IRLP 7901 ECHOLINK 554534

Digital SSTV (EasyPal) 446.125

(10 MINUTE BEACON)

David Keene W5DBK, editor-in-training

Email comments to W5DBK.dave@gmail.com

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Fannin County Amateur Radio Club

CHRISTMAS PARTY

Friday, December 2nd, 2011

Shumardii's Restaurant

Cost per person \$11.99 plus tax

6:30 PM – Social

7:00 PM Buffet Dinner

Door Prizes and Net Drawing

PLEASE RSVP

David Reeder – WA0URJ@yahoo.com



Ground it

I recently installed a “new to me” 35 ft. tower by my shop. I had previously installed a single 8 ft. ground rod for my shop and this tower gave me a chance to complete my ground system. I installed a new 8 ft. ground rod near the tower base and dug out a depression so that the final installation would leave the top of the ground rod below the ground surface. This ensures that the top of the ground rod will not be damaged by a lawn mower or other activity. I used a “T” post driver to drive most of the rod into the ground and then used a sledge hammer to drive the rod the rest of the way. I soldered a lug onto one end of short length of #1 stranded copper wire and bolted the lug to the tower leg and connected the other end of the wire to the ground rod. The connection to the ground rod was made with a brass wire clamp sized to fit the rod. I then buried a bare #6 solid copper wire from the tower ground rod to the existing ground rod I used for my workbench. I then buried another piece of #6 solid copper wire to my generator frame and another #6 wire to the utility ground rod under the power meter. The following pictures show this installation.







8' ground rod at base of tower, #1 awg wire



8' rod gathering point



#6 solid copper connected to generator



Copper ground strap under bench

The ground rod was purchased from the Bonham Tractor Supply store (in the electric fence area) and the copper wire was purchased from Hall Supply, also in Bonham.

Dave Keene
W5DBK
