Socorro Amateur Radio Association

SARA News www.socorroara.org September 2017

Meetings

The minutes for meetings are at www.socorroara.org/sara/minutes.

The agenda for meetings is located at:

www.socorroara.org/sara/agenda/agenda.pdf

The September 2017 meeting will be at the Socorro County EOC on Neel Avenue on September 13.

SARA Repeater

SARA supports a VHF repeater located on Socorro Peak immediately west of Socorro. The repeater is "open". The auto patch is currently inoperative.

146.68 (-)
100 or 123 Hz required
123 Hz on output

SARA also supports a UHF D-STAR module 'B' operating at 444.500 MHz + 5.000
Registration instructions are at www.socorroara.org/sara/repeaters/D_STAR_Gateway.pdf

Club Officers

President: T. Reese Janca KD7GSB
Vice President: Brad Smith KD5JNI
Secretary: Bear Albrecht W5VZB
Treasurer: Luis Aguilar WB5JMD
Director:
ARES DEC /Director: Al Braun AC5BX
Newsletter Editor: Anneliese Bowman AD6UY

Coming events

SARA Hamfest Oct 21 8 am at the NM State Firefighter Academy

Socorro Lions Club Gun and Craft Show
Nov. 4 9 am – 5 pm Nov. 5 10 am – 4 pm at the Socorro City Convention Center (The old armory)

The Ten Commandments For Technicians

Found by Ray Calkins, N0RBT

1) Beware of lightning that lurketh in an uncharged condenser lest it cause thee to bounce upon thy buttocks in a most embarrassing manner.

2) Cause thou the switch that supplieth large quantities of juice to be opened and thusly tagged, that thy days may be long in this earthly vale of tears.

3) Prove to thyself that all circuits that radiateth, and upon which the worketh, are grounded and thusly tagged lest they lift thee to a radio frequency potential and causeth thee to make like a radiator too.

4) Tarry thou not amongst these fools that engage in intentional shocks for they are not long for this world and are surely unbelievers.

5) Take care that thou useth the proper method when thou takest the measures of high-voltage circuits too, that thou dost not incinerate both thee and thy test meter, for verily, though thou has no company property number and can be easily surveyed, the test meter has one and, as a consequence, bringeth much woe unto a purchasing agent.

6) Take care that thou tamperest not with interlocks and safety devices, for this incurreth the wrath of the chief electrician and bring the fury of the engineers on his head.

7) Work thou not on energized equipment, for if thou dost, thy fellow workers will surely buy beers for thy widow and console her in other ways.

8) Verily, verily I say unto thee, never service equipment alone, for electrical cooking is a slow process and thou might sizzle in thy own fat upon a hot circuit for hours on end before thy maker sees fit to end thy misery and drag thee into his fold.

9) Trifle thee not with radioactive tubes and substances lest thou commence to glow in the dark like a lightning bug, and thy wife be frustrated and have not further use for thee except for thy wages.

10) Commit thou to memory all the words of the prophets which are written down in thy Bible which is the National Electrical Code, and giveth out with the straight dope and consoleth thee when thou hast suffered a ream job by the chief electrician.

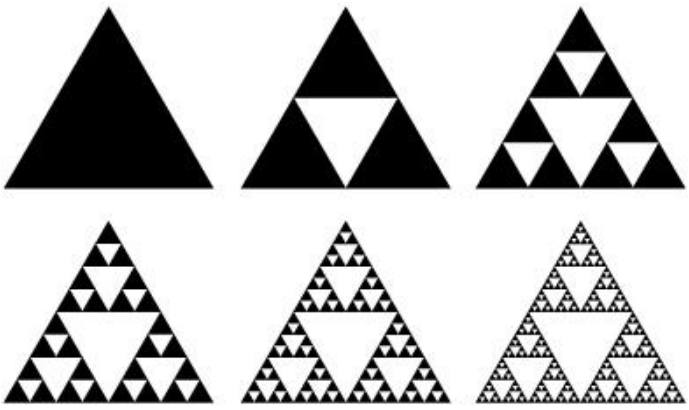
11) When thou muckest about with a device in an unthinking and/or unknowing manner, thou shalt keep one hand in thy pocket. Better that thou shouldest keep both hands in thy pockets than experimentally determine the electrical potential of an innocent-seeming device.

12) Thou shall not make unauthorized modifications to equipment, but causeth thou to be recorded all field changes and authorized modifications made by thee lest thy successor tear his hair out and go slowly mad in his attempt to decide what manner of creature hath made a nest in the wiring of such equipment.

Sierpinski Bow-Tie Antenna

A. Bowman, AD6UY

The Sierpinski gasket is the model for this multiband antenna. This article will consist of links to sites with detailed information about these fractal antennas.



The bow tie antenna, the two-dimensional version of a biconical antenna, is loosely based on a dipole but is based on angles instead of length.

http://www.antenna-theory.com/antennas/wideband/bowtie.php

Here is a site that may help you to design a bow-tie antenna:

http://www.changpuak.ch/electronics/Butterfly-Antenna-Designer.php

An introduction to the Sierpinski antenna:

http://www.antennamagus.com/database/antennas/antenna_page.php?id=122

More details:

http://scialert.net/fulltext/?doi=rjit.2011.35.43

The ARRL has coverage of Amateur Radio Operators helping with hurricane relief:

http://www.arrl.org/news/amateur-radio-volunteers-assisting-where-needed-in-hurricane-response

http://www.arrl.org/news/view/amateur-radio-volunteer-response-continues-to-historic-hurricane-irma

Weather Resources:

The National Hurricane Center:

http://www.nhc.noaa.gov/?atlc

The National Weather Service:

http://www.weather.gov/

National Center for Atmospheric Research, Research Applications Lab:

https://rap.ucar.edu/

Climate Prediction Center:

http://www.cpc.ncep.noaa.gov/