

SOCORRO AMATEUR RADIO ASSOCIATION

SARA NEWS

WWW.SOCORROARA.ORG

MARCH 2018



MEETINGS

The minutes for meetings are at
<https://www.socorroara.org/minutes/>

The March meeting will be at the County Emergency Management Conference Room at 198 Neel Avenue on Mar. 14, 2019.

Program for 3/13/2019

Join us as Ed Fong, WB6IQN, presents a webinar on antenna design. Ed is on the faculty of UC Santa Cruz- Silicon Valley where he currently teaches RF Wireless Communications course (EECS 407) and I/O Design Fundamentals (EECS 440).

CLUB OFFICERS

President: Prescott Grey W1PCG
Vice President: Brad Smith KD5JNI
Secretary: Ray Calkins, N0RBT
Treasurer: Bill Heller, KG5NGN
Past President: Jim Lommen KC7QY
ARES DEC /Director: Al Braun AC5BX
Newsletter Editor: Anneliese Bowman AD6UY
Suggestions or submissions: ad6uy@powerc.net

SARA REPEATER

SARA supports a VHF repeater located on Socorro Peak immediately west of Socorro. The repeater is "open". The autopatch 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

COMING EVENTS

04/13/2019 | Pecos Valley Amateur Radio Club
Annual Tailgate
Location: Roswell, NM
Type: ARRL Hamfest
Sponsor: Pecos Valley Amateur Radio Club
Website: <http://pecosvalleyarc.com>

New Mexico State Convention, Duke City
Hamfest
Location: Albuquerque, NM
Type: ARRL Convention
Sponsor: New Mexico Hamvention, Inc.
Website: <https://www.dukecityhamfest.org/>

**UNITED STATES NAVY ELECTRICITY &
ELECTRONICS TRAINING SERIES
(NEETS) MODULES
RAY CALKINS, NORBT**

There are a lot of resources out there for an electronics education, whether it is an initial introduction or refreshing on topics that have been forgotten through disuse. One of the best sources for a technician level electronics education is the NEETS series from the USN. It is freely available from multiple sites on the internet, both in HTML and PDF format. Some of the content is a bit dated, the last update seems to be from 1998.

The series is in twenty four volumes, generally starting from the basics. Skip to the ones of interest or read from beginning to end. I still have the complete printed set from when I was an electronics technician in the USN and refer to them from time to time. The newer revisions are nice though, and it is handy to have the PDF versions on the Kindle for quick reference and the ability to search across the entire series for specific terms.

Listing of NEETS Modules:

- 1 - DC
- 2 - AC
- 3 - Circuit Protection and Measurement
- 4 - Wiring and Schematics
- 5 - Generators and Motors
- 6 - Tubes
- 7 - Solid State Devices/Transistors
- 8 - Amplifiers
- 9 - Oscillators, Filters, and Frequency Multipliers
- 10 - Antennas
- 11 - Microwaves
- 12 - Modulation
- 13 - Digital Logic
- 14 - Microelectronics/ICs
- 15 - Synchros, Servos, Gyros
- 16 - Test Equipment
- 17 - RF
- 18 - RADAR
- 19 - Technician's Handbook
- 20 - Glossary
- 21 - Test Methods
- 22 - Digital Computers
- 23 - Magnetic Recording
- 24 - Fiber Optics

Links:

<https://hackaday.com/2017/06/09/electronics-education-courtesy-of-the-us-navy/>

<http://www.courses.netc.navy.mil/index.htm>

<https://maritime.org/doc/#neets>

<http://electriciantraining.tpub.com/>

<https://archive.org/search.php?query=subject%3A%22The+Navy+Electricity+and+Electronics+Training+Series%22&sort=titleSorter>

<http://www.compatt.com/Tutorials/NEETS/NEETS.html>

CRAZY CIRCUITS

A. BOWMAN, AD6UY

<https://www.browndoggadgets.com/>

This is an open source system for learning electronics. It looks like it could be a very entertaining way to inspire kids and adults who want to build their own gadgetry. It interfaces with LEGO products and what kid (of any age) can resist LEGOs.

More information here:

<https://www.instructables.com/id/Crazy-Circuits-an-Open-Source-Electronics-Learning/>

ANOTHER USEFUL APP FOR ANDROID

A. BOWMAN, AD6UY

You need a screw but you're not sure what kind of threads it has. "Thread Pitch" can help. I installed it on my phone and on two tablets; it calibrated itself on all 3 devices – I checked with my knitting stitch gauge. It is free and is part of a set of "Smart Tools" <https://play.google.com/store/apps/details?id=kr.sira.thread>

NET NOTE

From Doug May, KF5AVG

"Tonight [March 7] I was on the 8:00 pm Thursday D-Star net on 444.50. Alden Oyer, AG5S from Santa

Fe is net control. There were 21 from across the country on the net this evening.”

KICAD VIDEOS

RAY CALKINS, NORBT

KiCAD Quickstart video

<https://www.youtube.com/watch?v=zK3rDhJqMu0>

Installing and using the Digikey KiCad Library

<https://www.youtube.com/watch?v=o44Z6sUbuIo>

Quickstart Intro to KiCad - Design a board in 5 minutes

https://www.youtube.com/watch?v=l9b_6WLemmg

PRESIDENT’S CORNER, MARCH 2019

I hope none of you got blown away by the wind this past week. Wow!

It seems like everything is blooming at once. School of Mines Road in Socorro is blessed with its gorgeous pear trees in full bloom, and I think everyone’s fruit trees are in bloom. As well as daffodils and so many other early flowers. Spring is nigh. And, as usual, likely at least one more winter storm.

Kudos, praise, and a huge “Thank You” to Bear Albrecht, Bill Heller, and all who have worked at getting some of our junked up areas straightened out. Maybe we will have a radio room again.

Different topic, but another “Thank You”. We will, in accordance with our bylaws, during our March meeting elect a nominating committee. This is always mostly a thankless job, but nevertheless one that is critically important. Can’t help but thinking of the First Sergeant who was heard telling the Captain “Sir, I’ll get you volunteers if I have to break their arms”. Nah, it’s not that bad! The nominating committee will report back at our April meeting with a slate of officers committed to keeping this a thriving and viable organization. One note: the committee should not be shy about nominating one

of their own if the energy, experience and interest is there!

Question for the group: are there any of you wanting to advance to your next license who would like a particular topic covered in depth at Lab Night? Suggestions welcomed.

Be well until the next meeting.

73,

--Prescott, W1PCG

OFFICERS FOR THE NEXT YEAR

Please consider running for an office for the next year.