Rolla Regional Amateur Radio Society

General Meeting - July 9, 2018

Welcome

Visitors & New Members

Agenda

Welcome

New/Old Business

Upcoming Events

Tech Discussion

Old Business

Elections - No nominations for president yet...

Field Day - To be covered in more detail later in the meeting.

New Business

Laurel Test Session Dates

Missouri S&T (Rolla, Missouri)

2018-2019 VE Testing Schedule

The Missouri S&T VE Team offers amateur radio licensing exams for **free** in the Rolla area, through the Laurel VEC.

The test session will be at **Room 101 or 102 Emerson Hall** (Electrical Engineering building) on the Missouri S&T campus, and will begin at the times indicated below. All exam elements will be offered.

Directions: Exit I-44 at US 63. Turn south on US 63. Turn south onto Vichy Road (at the Mobil on the Run gas station).Go south for approximately two blocks, road makes a left turn east onto 16th street. Turn right into parking lot. The address of Emerson Hall is 301 W 16th St., Rolla, MO 65409.

Upcoming Dates & Times of VE Testing:

(2nd Saturday mornings held in February, May, August, & November, 3rd Thursday evenings in other months)

1. Thursday, July 19, 2018 @ 6:00 PM
2. Saturday, August 25, 2018 @ 9:30 AM
3. Thursday, September 20, 2018 @ 6:00 PM
4. Thursday, October 18, 2018 @ 6:00 PM
5. Saturday, November 10, 2018 @ 9:30 AM
6. Thursday, December 13, 2018 @ 6:00 PM
7. Thursday, January 17, 2019 @ 6:00 PM
8. Saturday, February 09, 2019 @ 9:30 AM
9. Thursday, March 21, 2019 @ 6:00 PM
10. Thursday, April 18, 2019 @ 6:00 PM
11. Saturday, May 11, 2019 @ 9:30 AM

Lions Club Park
June 23-24

Saturday
- 10 AM   Station set-up
- 2:30 PM Test Session?
- 5 PM   BBQ?
  - Bring sides
- 11 PM   Gate Closes?
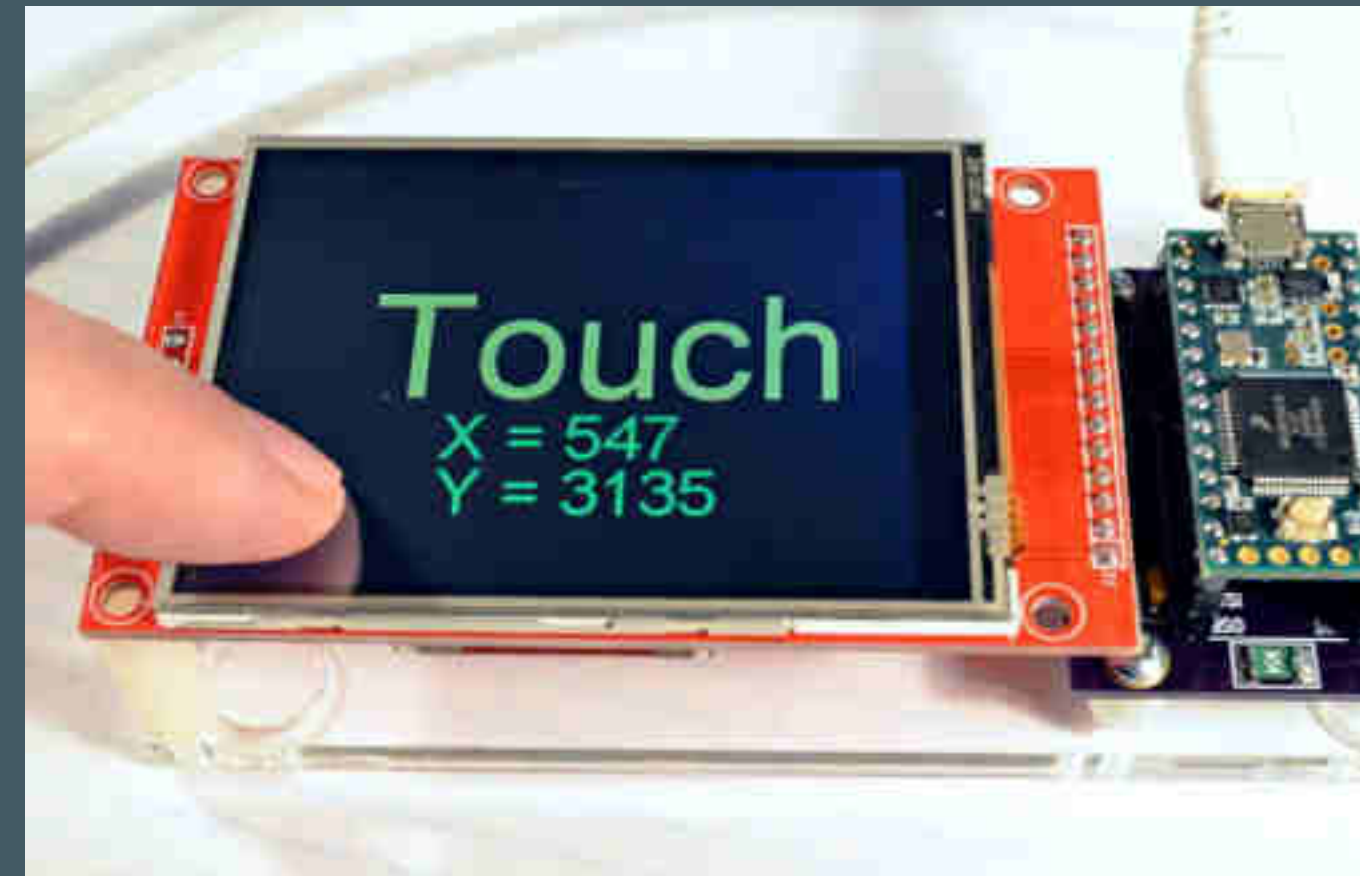
Sunday
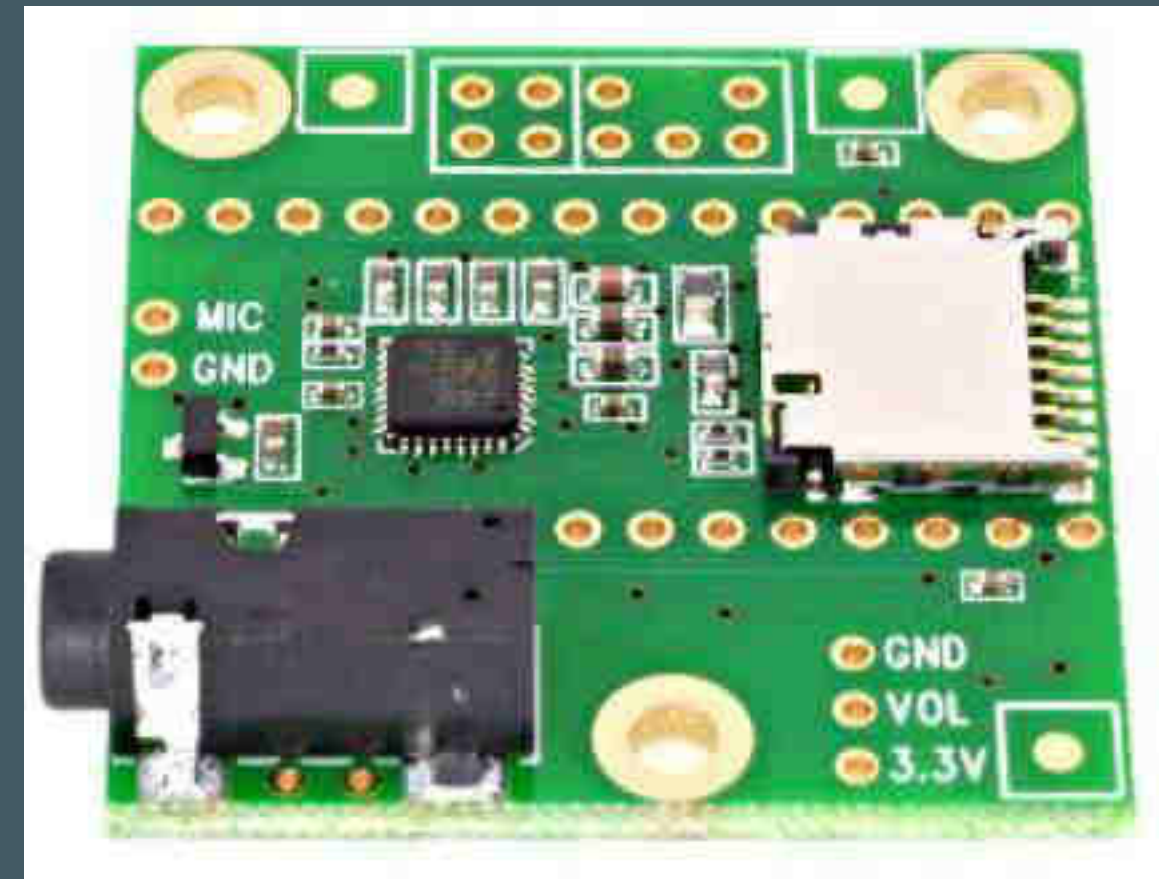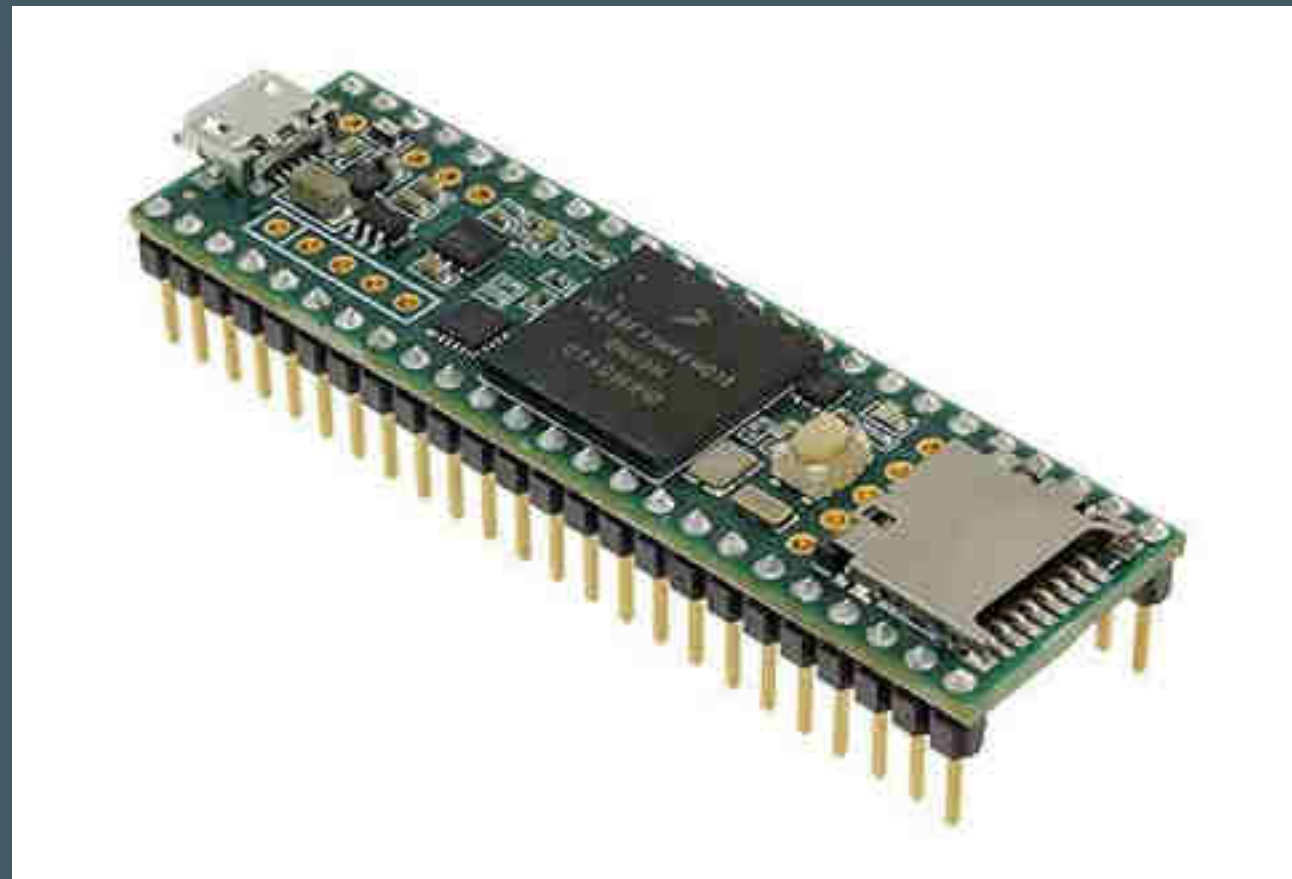- 1 PM   Station take-down

Stations?
- SSB
- Digi

Teensy SDR for <$200

Parts

Teensy 3.6	$33.35
Audio Board	$24.25
ILI9341 Display	$15.00
QSD	
Softrock (TX)	$89.00
Elektor SDR	$41.00
Fifi SDR	?
Or other	
Buttons/Switches (x8)	
Encoders (x3)	
5V Power Supply	

Specifications

Demodulators:
 AM, SAM, Stereo SAM,
 LSB, USB, WFM (Stereo)

Features:
- 256 tap FIR filter
- 192kHz spectrum display
- Play MP3/M4A from SD card
- Auto IQ phase and amplitude balancer (>55 dBc mirror rejection)
- Peak processor usage 80% (SAM)
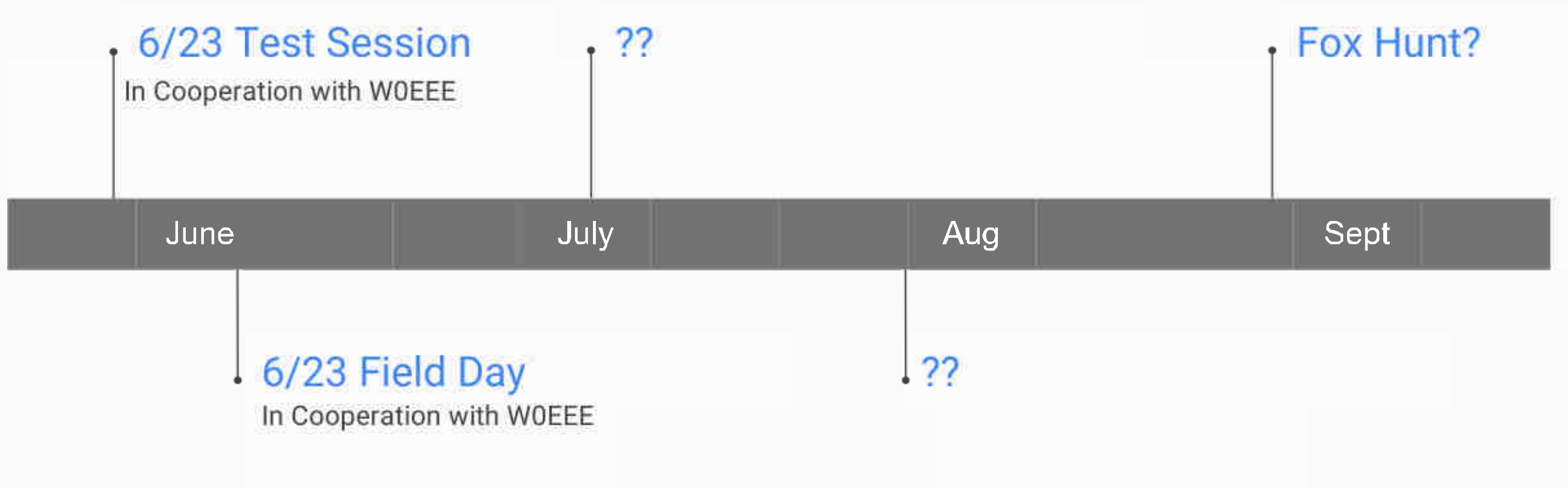- Save settings to EEPROM

Links

Open Source
- https://github.com/compeoree/Teensy-ConvolutionSDR

Technical Discussions
- https://forum.pjrc.com/threads/40590-Teensy-Convolution-SDR-(Software-Defined-Radio)
- https://forum.pjrc.com/threads/26305-Highly-optimized-ILI9341-%28320x240-TFT-color-display%29-library
- https://www.youtube.com/watch?time_continue=1&v=hCFvDHAo2mg

Parts
- https://www.pjrc.com/store/display_ili9341_touch.html
- https://www.pjrc.com/store/teensy36_pins.html
- http://fivedash.com/index.php?main_page=product_info&cPath=1&products_id=7
- https://www.elektor.de/elektor-sdr-shield-2-0-module-170515-91
- https://www.pjrc.com/store/teensy3_audio.html

Upcoming Events

6/23 Test Session
In Cooperation with W0EEE

??

Fox Hunt?

June
July
Aug
Sept

6/23 Field Day
In Cooperation with W0EEE

??

Next Meeting
August 6th

Rolla Regional Amateur Radio Society
RRARS
WØGS