

Intro to Amateur Radio

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K4RY President

What is Amateur Radio?

- A licensed service OK'd by FCC to let the public use radio transceivers to communicate around the world (other countries have licenses also)
- Set of radio frequencies set aside for amateur use from 1MHz – 300GHz for free
- Ability to communicate very long distances with no infrastructure and minimal equipment
- Help in emergencies or disaster relief or rural areas
- A way for people interested in electronics to put their talents to good use!

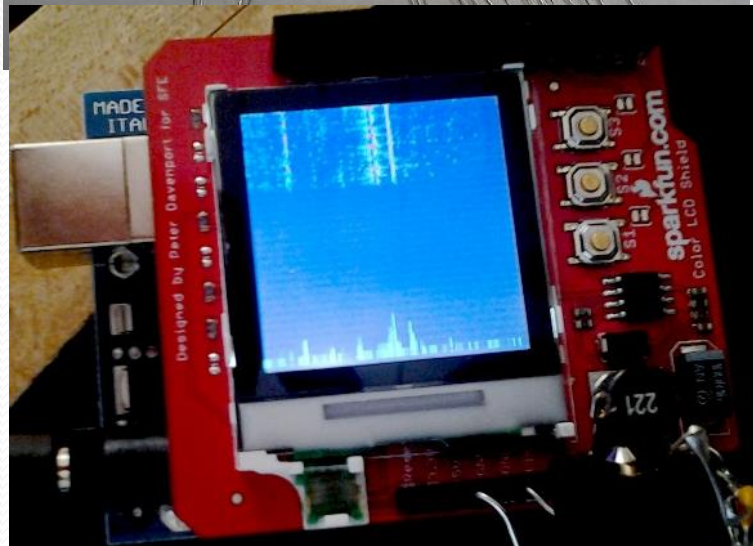
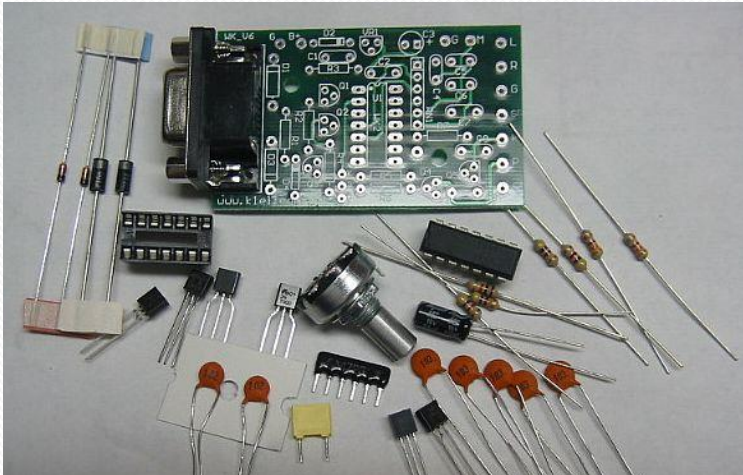
Public Service

Emergency Communications, Storm Tracking, rapid deployment w/ no infrastructure, long distance communication for rural areas



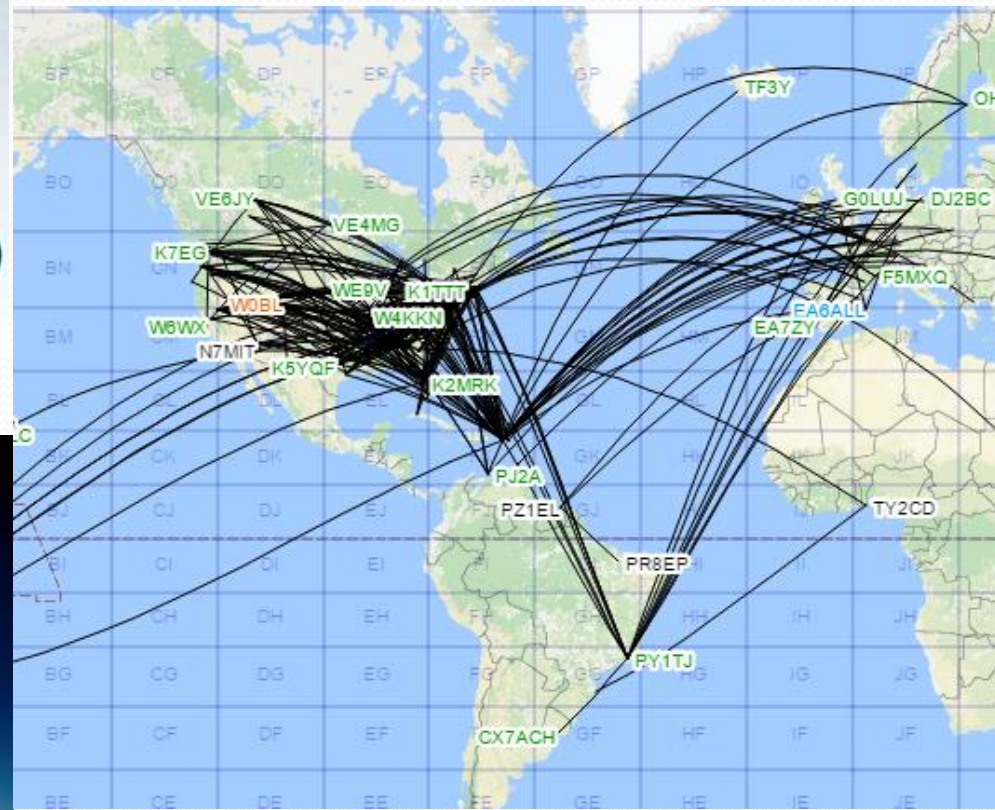
Hobby

build radios, antennas, filters, tuners, matching networks, software dev



Operating

Morse code, digital, satellite, DX, moonbounce, contests, APRS, SSB, AM, FM, SSTV, DRM



AU Amateur Radio Club

- Founded in 1913, disbanded twice during WWs
- Ham shack on 4th floor, large Yagi on roof
- Two repeaters on top of Haley Center

Auburn University Amateur Radio Club



K4RY

Repeaters: 147.24 & 444.8 MHz • Facebook: /K4RYarc • Twitter: @K4RYarc • AUInvolve: /AUARC

Fox Hunts – this Thursday!!

- Goal is to find a hidden radio transmitter somewhere on campus (the fox)
- We will provide radios and antennas – anyone can join, no license necessary
- First team to find it wins fame and glory
- Meet at 5:00 PM in Broun 235



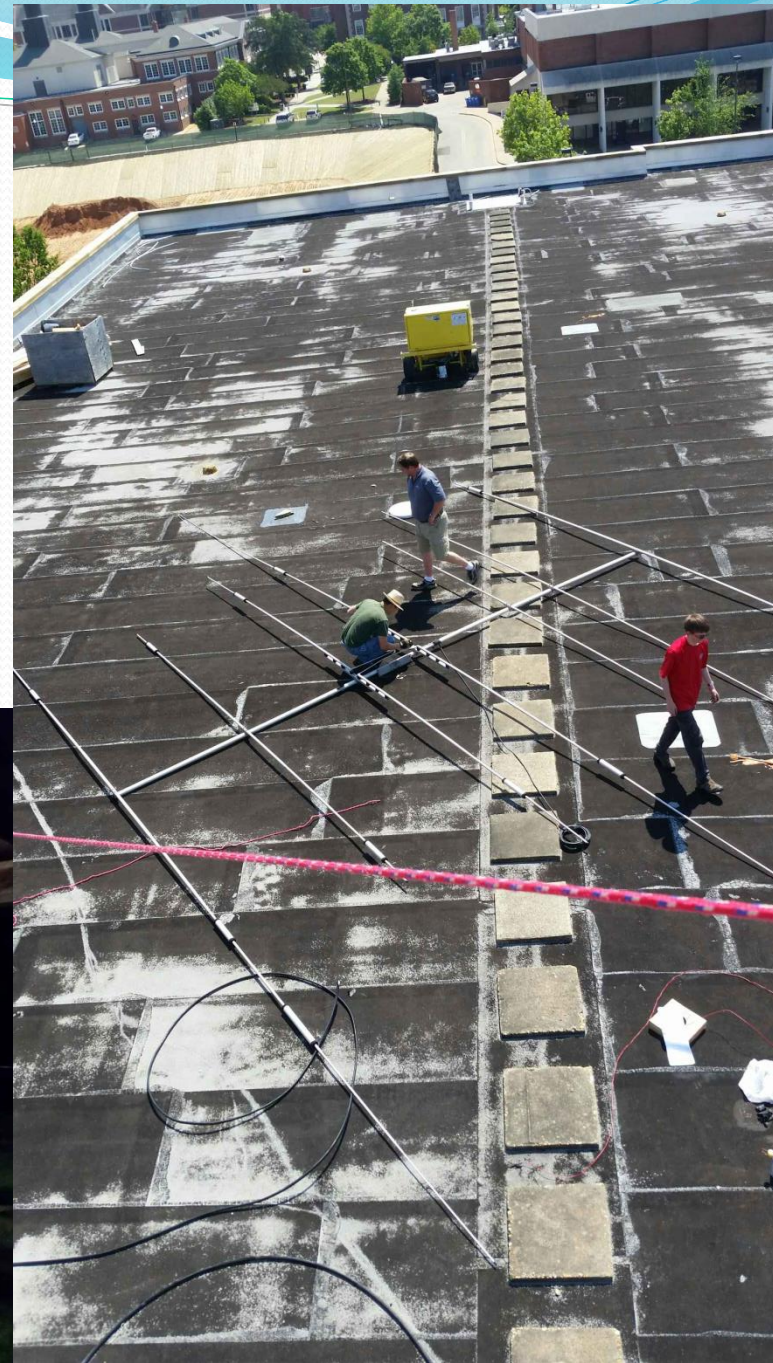
Contests/Special Events

- Contact as many stations as possible within ~24 hrs
- May be restricted mode/band/# operators
- Special event stations have special callsigns
- Points for foreign stations, digital modes, certain classes
- Cool QSL cards!



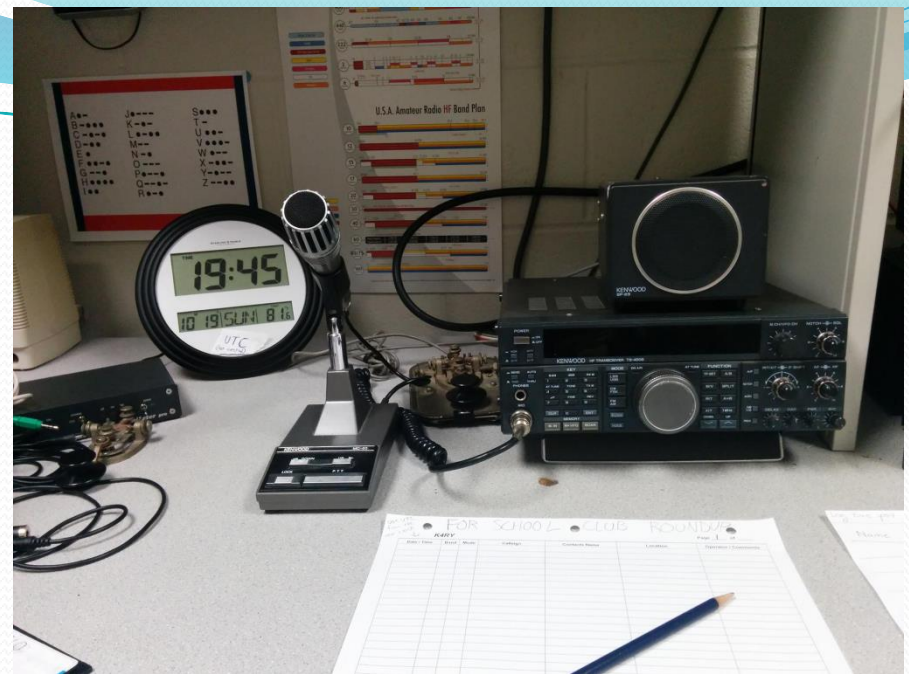
Other K4RY stuff

- Field Day
- Merit Badge Univ.
- Jr. Mad Scientist Day
- Antenna fun...



K4RY Hamshack

- Lots of great, free equipment that you can use any time!



Becoming a Ham Radio Operator

- You need to take a test in order to have a radio license
- Three levels (tech, general, extra) in increasing difficulty but you get more bandwidth and privileges
- Database of all questions and answers published online
- AUARC is licensed to give the test anytime
- We have test study books, or hamstudy.org
- For EE's, tech test is a breeze
- License not required to be in K4RY



Demos

Thanks!

- Join us on AU Involve and Facebook
- Sign up on the sheet to be added to K4RY mailing list
- ARRL is an excellent resource for technical projects (not just limited to amateur radio!)
- Fox Hunt this Thursday @ 5:00 PM in Broun 235

