

# Technician Licensing Class

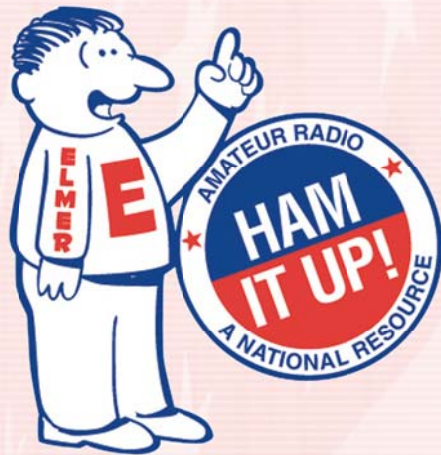
## Getting Into Ham Radio

By Jim Grover

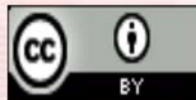
Valid July 1, 2014

Through

June 30, 2018



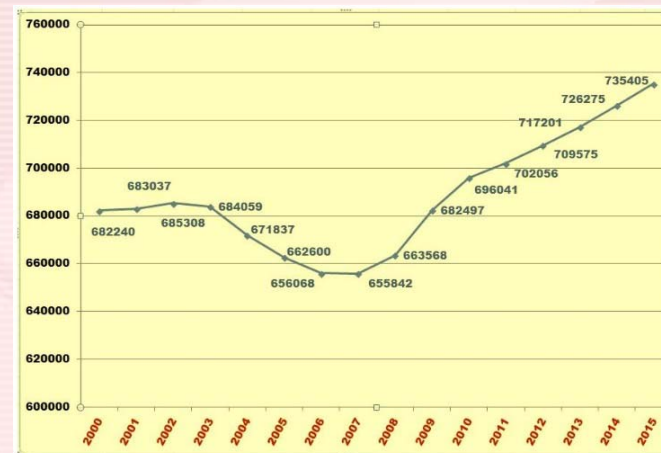
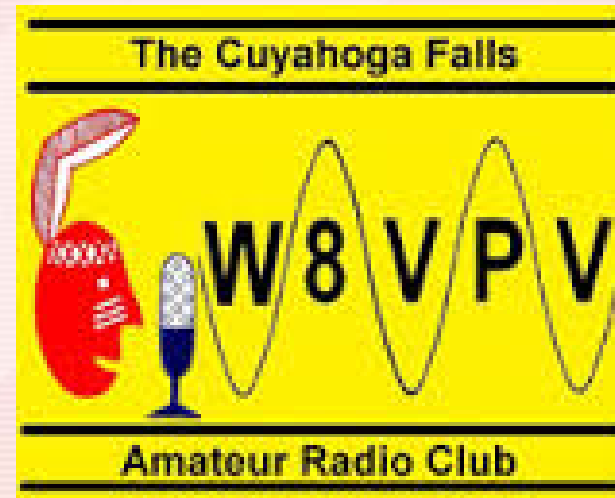
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# Getting Into Ham Radio

- There are 2 million amateur radio operators world wide of which 735 thousand are in the United States
- The Cuyahoga Falls Amateur Radio Club would like to welcome you to amateur (Ham) radio.



# Getting Into Ham Radio

- Why you need license
  - Your amateur radio can communicate across town, the country and the world.
  - Unlike commercial radio you are allowed to design, build and use equipment without FCC certification
  - You must always stay within the rules of the FCC, Part 97.

# Getting Into Ham Radio

- Your first radio
  - Most likely a dual band (2 meter and 440 MHz) transceiver
  - Will communicate simplex with local hams (1 to 3 mile radius)
  - Will communicate with repeaters to hams in Summit County.
  - If hand held about 5 watts
  - Else if mobile maximum of 50 watts
  - Else base maximum of 100 watts (rare)

# Getting Into Ham Radio

- What else can you do? Plenty!
  - With GPS and TNC you can ARPS
  - Amateur TV (fast scan)
  - Satellite communications to North America, Europe and South America
  - With VoIP you can communicate with hams anywhere in the world
  - Communicate data and voice digitally
  - Public and Emergency services

# Getting Into Ham Radio

- Not just a hobby – but a service
  - Provide communication services to local events via ARES of Summit County
  - Provide emergency communications to residence of Summit County – coordinate through ARES of Summit County
  - Provide NWS information via Skywarn of Summit County

# Getting Into Ham Radio

- Join a club – get yourself an “Elmer”
  - There is a lot of information in books, magazines and web pages
  - In person help from an Elmer is a good way to learn
  - Join the local amateur radio club – Cuyahoga Falls Amateur Radio Club for fellowship, experience and Elmering
  - Join ARRL and connect with amateurs all over the US

# Any Questions???

