

# Red Rose Repeater Association

## The Diversity of Amateur Radio



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# So What Can I do With Amateur Radio?

- Public Service
- Personal Enjoyment
- Education/Personal Growth
- Electrical/Electronic Experimentation

# So What Can You do With Amateur Radio?

■ **Public Service** - There is a spirit of volunteerism among the Amateur Radio community

- National Traffic Service
- Weather Spotting
- ARES



- Disasters
  - Drills
  - Exercises
  - Training
- ACS
  - Search & Rescue
  - Active Incidents
  - Training

- Civil Air Patrol
- National Night Out



# So What Can You do With Amateur Radio?

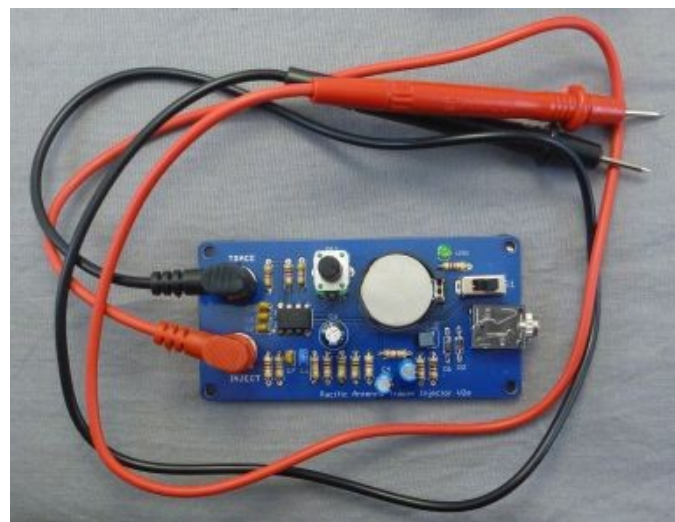
## ■ Personal Enjoyment

- Home/mobile station modes: CW, Voice, Digital, SSTV
  - Contesting
  - Special Events/Stations
  - Parks on the Air
  - QSO Parties
  - EME/Satellite/ISS
  - QRP (low power)
- DX (long distance contacts)
  - Linear Amplifiers and beam antennas on towers
  - DXpeditions
- Computer and digital modes are the focus of ARRL this year
  - Computers are becoming a greater tool in radio communications
  - RTTY
  - FT8
  - Winlink/FL Digi

# So What Can You do With Amateur Radio?

## ■ Education/Personal Growth

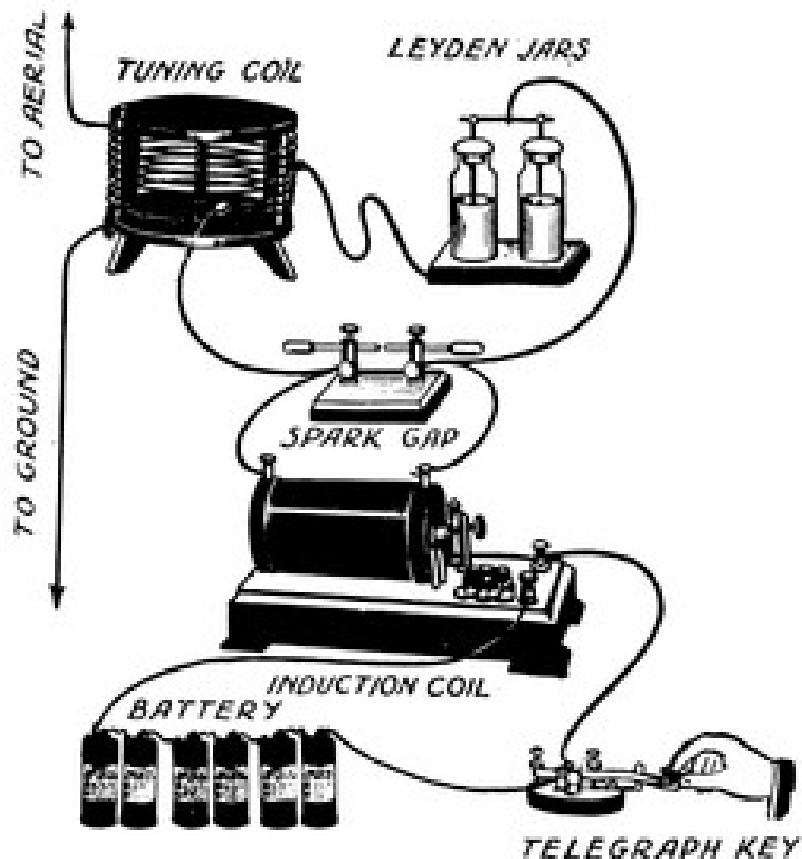
- Scouts are encouraged to earn a radio badge
  - Badge is only the beginning
  - Jamboree on the Air (JOTA)
- Rookie Roundup
- Hands-on Kits/Assembly
- Radio Direction Finding
- History/Vintage Radio
- Radio Safety
- Elmering



# So What Can You do With Amateur Radio?

- Electrical/Electronics

- New technology



radio

DMR, etc.)

etc.) Red Rose Repeater Association



Lancaster, PA W3RRR.org

# So What Can You do With Amateur Radio?

- Electrical/Electronic Experimentation
- New technologies emerge with Amateur Radio
  - AM/Single-sideband
  - FM
  - Repeaters
  - Private Line (PL Tones)
  - RTTY
  - Cellular Service
  - APRS
  - 630m/2200m
  - Digital FM (Dstar, C4FM, Echolink, DMR, etc.)
  - Protocols (FT8, Hellschreiber, PSK, etc.)