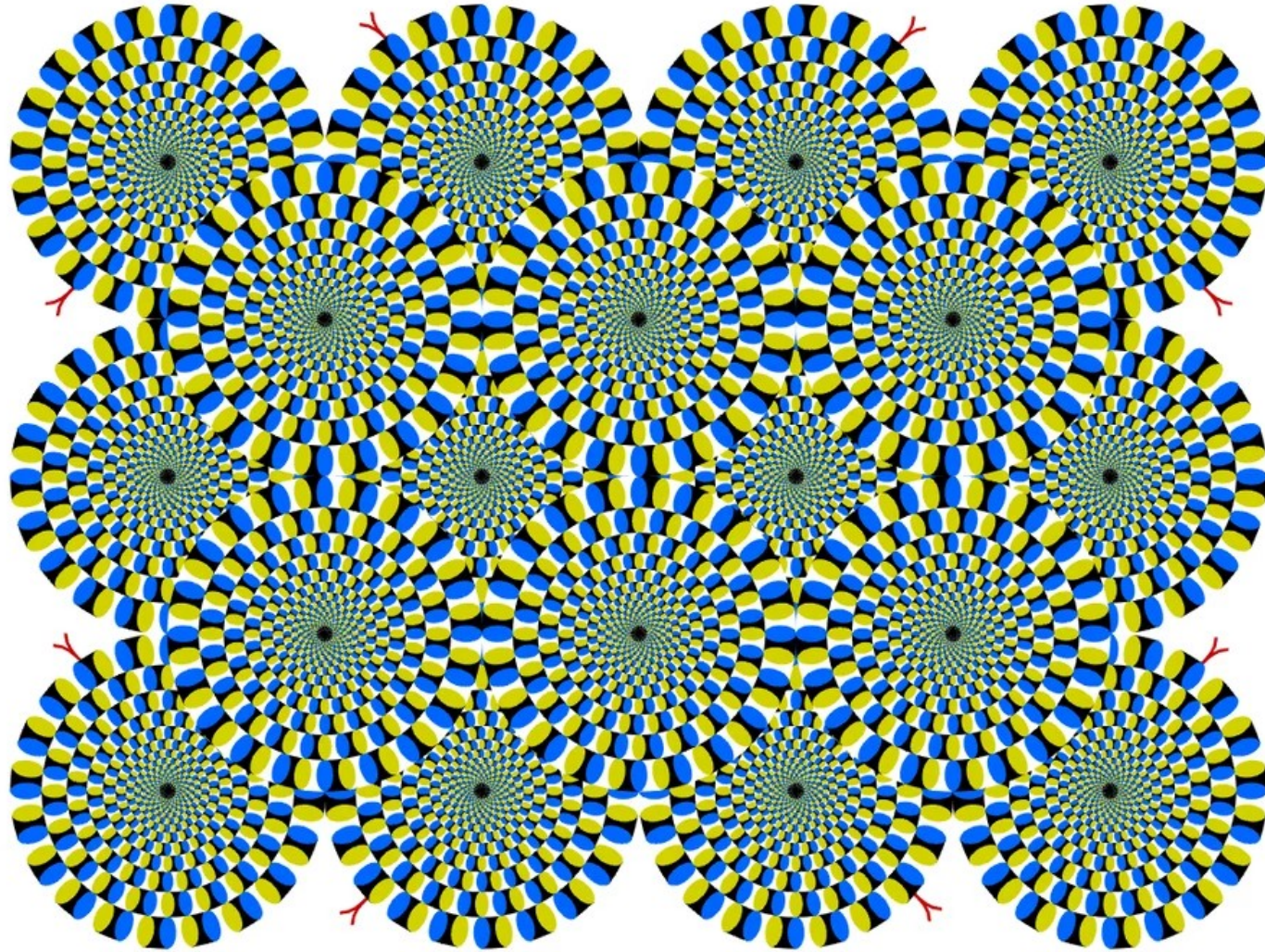


Focus



Introduction

- Dale Clement AF1T
 - Henniker
- Bob Sletten KB1QV
 - Bow



- Contoocook Valley Radio Club (CVRC)

The Proposal

- Include Amateur “Ham” Radio at the Craney tower site
- Back-up or alternate radio channels
- Support sundry communications
- This involves:
 - Antenna(s) on the tower
 - Associated feed lines
 - Floor space in the building
 - Electric power
 - Ethernet access



Why Hams

- We use radios daily
- Federal Communications Commission licensed
- Frequency allocation for public service
- Technology savvy
- Hands on builders, engineers and technicians
- Trained in aspects of radio public service
- There are many hams in society
 - 5k in NH
 - 54 in Henniker



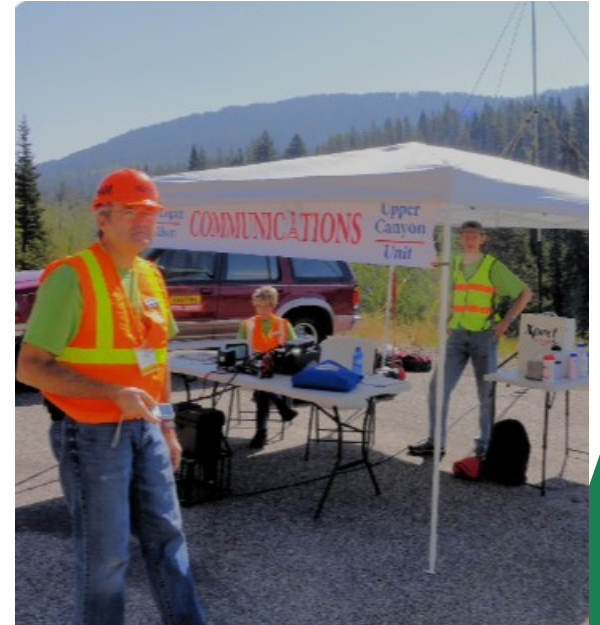
Hams Can Help

Unplanned Events

- Blizzard
- Hurricane
- Fires
- Aircraft crash
- Earthquake
- Flood
- Terrorist

Scheduled Events

- Marathons
- Bicycle race
- Festivals
- Car rallies
- River events



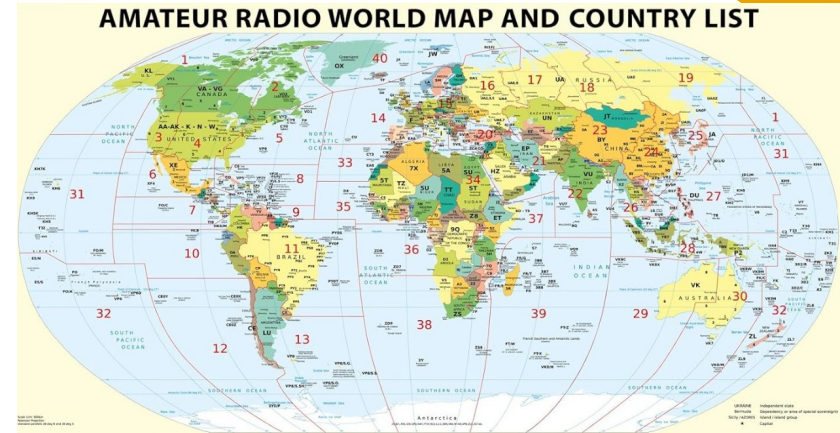
Benefits

- Citizens helping local government
- No cost to taxpayers
- Leveraging radio technologies
- Local resources
- Mutual advantages to all involved



Ham Virtues

- FCC licensed and regulated
- Public service intentions
- Illegal for commercial activities
- Illegal to swear
- By convention, no politics, religion or pornography
 - Self policed
- State, country and global connections



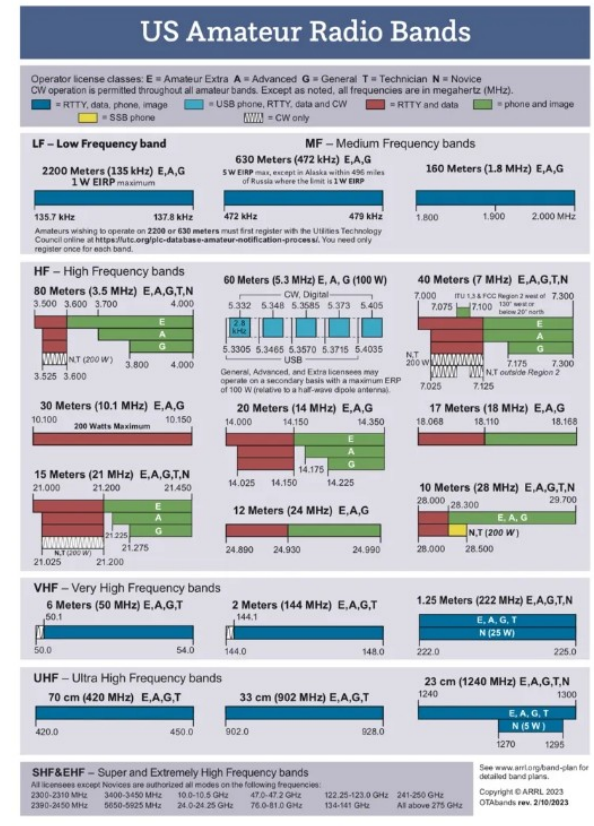
Money

- Radio systems are expensive
 - The hams will pay for their radio hardware
- Antenna installation by professionals
 - This includes feed-lines
- Electricity bills
- Self insured



Radio Technologies

- Multiple frequency bands
- Repeaters
- Analog and digital voice modes
- Message handling
- Local and long distance communications
- Interacting directly to Internet
- Independent back-haul potential



Possibilities

- Repeater coverage, local towns
- ARES
- Access to Concord area directly
- Statewide “nets” in weather emergencies
- Linked repeater networks cover the state.
- Digital voice networks for national access
- Set up point to point for high speed connection
- Technology advancement opportunities at the hilltop site



Risks

- Ham Radio is only a hobby, non-professional
- Voluntary, it can end at any time
- Low cost help. You get what you pay for.
- Humans are flawed. Mistakes
- Access to building



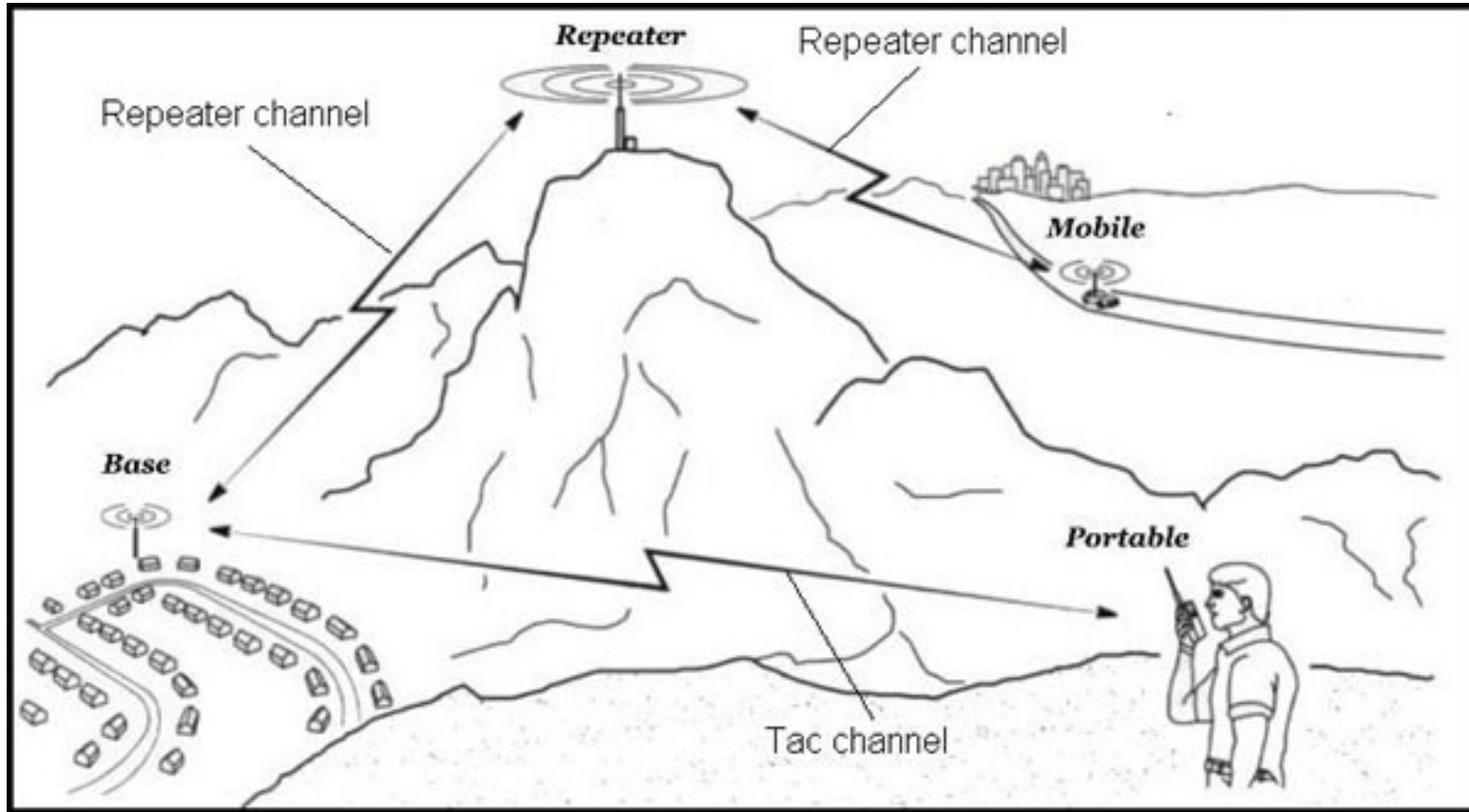
Site Photos



Field Day



Radio Repeater Concept



Coverage Map

