
Cupertino Amateur Radio Emergency Service

Topic: 2009 Emergency Field Communications Drill (a.k.a. Field Day!)

Speaker: Jim Oberhofer KN6PE, EC Cupertino ARES

Date: Thursday, 05-June-2009, 19:30

Event: Cupertino ARES meeting, Orientation Training

2009 Field Day Prep



What is Field Day?

- Annual amateur radio exercise that encourages emergency communications preparedness.
- First ARRL Field Day in 1933 (first CARES Field Day in 1999)
- practice rapid deployment of radio communications equipment
- Using emergency and alternative power sources since electricity and other public infrastructures are often among the first to fail during a disaster
- Integrated contesting component provides the “*Fun!*”

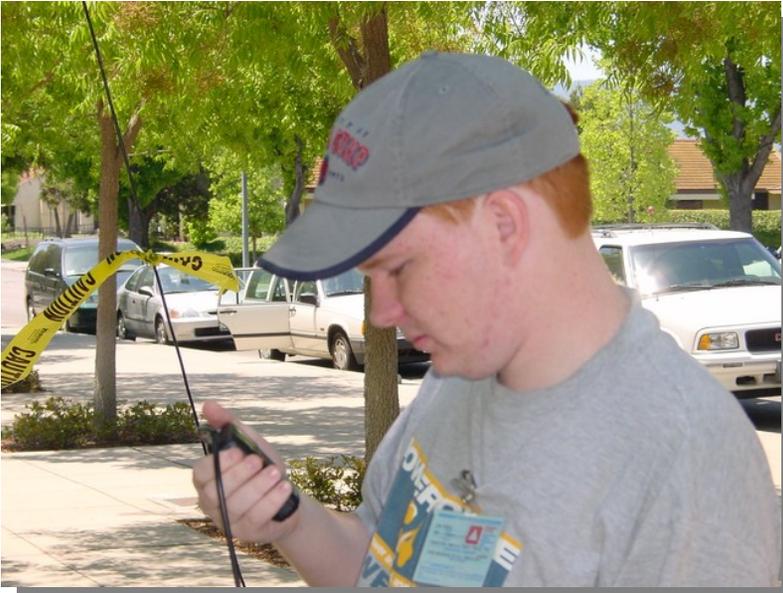
CARES approach to Field Day

- Emergency Field Communications Drill
- Scenario: Devastating earthquake that severely damages City Hall and EOC
 - What capabilities can we pull together to get on the air?
 - What can we provide from our homes to support an emergency response?

What's different for 2009

- This is the first year to expose Tech License holders to HF... it is now within your reach!
- Look to try something new

Field Day 2002



Field Day 2003



Field Day 2004



Field Day 2005



Field Day 2006



Field Day 2008



What's possible

- GOTA 100 pts max 
- Emergency Power 100 pts / transmitter 
- Media Publicity 100 pts 
- Public Location 100 pts 
- Public Information Table 100 pts 
- NTS message to SM, SEC 100 pts 
- Handle NTS traffic 10 pts / message
- Contact through a Satellite 100 pts 
- Copy the W1AW bulletin 100 pts 
- New Modes (APRS, ATV, SSTV) 100 pts each 
- Invite a Govt official 100 pts 
- Invite a served agency rep 100 pts 

Logistics

- Callsign –K6KP
- Category – 2F (operating from EOC, two main HF stations)
- Under 150 watts power

Stations:

- 2 HF stations
- VHF/UHF
- Demo – ATV; Satellite; Solar power
- All emergency power – gasoline generators
- Location – Plaza area directly on Torre Avenue, bounded by city hall and library, with council chambers directly to the back.

Antennas

- (2) Inverted V @ 50ft
- VHF – K6TEN/KG6QPT
- ATV – KN6PE

Equipment

- 4 canopies, with three enclosing sides
- 4 tables (two stations, two info booth and packet)
- 10 chairs (2 per station)
- Three generators (Honda 2kW from ARKs)
 - 3.5kW – K6FJC
 - 2 x 2kW Honda from ARKs
 - First five hours on 3.5 kW unit, next five hours on pair of 2kW units
 - Extension cords

Misc Equipment and Supplies

- Ground rods (ARK)
- Water (2 cases), Ice, coolers
- Coax
- HF1 (Digital) – FT-857
- HF2 (ph & CW) – K6TD- PROIII
- Power strips – 3 ft cords
- Food – Cicero's Pizza
- Information booth literature
- Gas and can

Field Day Plan

- 07:00 – begin gathering equipment
- 08:30 – arrive at event location
- 08:30 – 08:45 – review setup, make assignments, safety briefing
- 08:45 – 10:15 – set up
- 10:15 - 10:30 – operational briefing
- 10:30 – 11:00 – Operators begin station check out
- 11:00 – begin operations (see band plan)
- 11:00 – 17:00 – visitors and open to public
- 12:30 – lunch arrives
- 17:00 – 18:00 – disassemble
- 18:00 – 19:00 – return equipment to ARKs



Cupertino
ARES/RACES