



Networks “NETS”



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Nets?

Focused groups on-the-air



- ARRL [National Traffic System](#) (NTS)
- [Amateur Radio Emergency Service](#) (ARES).
- Maritime Service (14.300 MHz)
- 10 m Net
- CERT Nets
- Sheriff's Auxiliary Communication Service Net
- Club Nets
- You can find a net with your interests

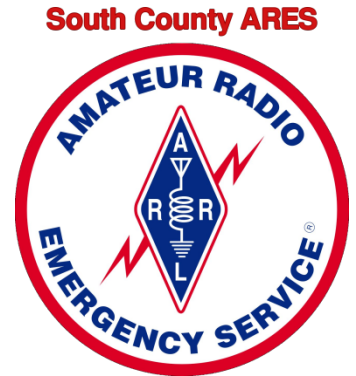


Types of Nets

- **Directed nets**, which are formal and organized by a Net Control Station (NCS) (traffic cop) for specific purposes like emergencies or traffic handling
- **Informal nets**, where operators gather to chat without strict rules (increased chances of doubling/inteference)

Net Structures

BSIM Net



- Two independent directed nets: CH1, CH2
- Each CH had a Net Control operator located at command site seated next to each other
- Traffic was minimized to essentials
- Channel 1: 5 linked repeaters (11 Aids + 6)
- Channel 2: 2 linked repeaters (5 SAGs +)
- Repeaters linked via microwave/portable units



Sequoia Century Net

- 2 Directed Nets
- #1: 146.865 linked to 146.805 (La Honda)
- #2: 145.230 Bay side coverage
- Water stations and SAGs used the net that provided coverage in their area
- Net Control at Foothill College

SCARES Monday Net



- Main repeater on Hall of Justice 444.5 MHz and Remote Base on 146.445 MHz covers Peninsula Bay side.
- Remote Base programmed for Mondays to link ON at 1915 and OFF at 2015 automatically
- This is a directed net and afterward may overflow to a NAN, the initiator may operate the net Directed or Open.



Other Nets

- Most nets are tactical, social, organizations
- Involve one or two frequencies for coverage
- BUT what if the situation is BIG and there are various groups involved
- We faced this several years ago in Belmont with CERT in the field on FRS, CERT ICS talking to Belmont EOC via Amateur Radio, then Belmont EOC talking to Area EOC (County) via Amateur Radio

SCARES Exercise example



- Build up a mobile setup – start a tactical/resource net
- First station on tactical/resource net – contact command net
- Command net gives instructions to lower layers

Layered Nets

South County ARES



- Tactical
- Resource
- Command
- Are all three types of nets needed?



Nets responsibilities

- **Command Nets:** For planning among leaders possibly in different locations
- **Resource Nets:** Collecting lists of people, capabilities, and availabilities
- **Tactical Nets:** On site transmitting conditions to Net Control
- Each NC of each net must be able to contact each other, **info must go up and down layers**

Questions

- ?



Bay Area Hospital Net

South County ARES



KAISER HOSPITAL REDWOOD CITY

Primary Contact: Mark K6ACY
South County ARES



Bay Area Hospital Net

The BAHN includes dozens of served agencies:

- 24 local hospitals (including Kaiser RC)
- California Department of Health Care Access and Information (HCAI)
- Dept. of Public Health's Center for Preparedness and Response (CPR),
- The Red Cross
- Emergency Operation Centers (EOC's)
- San Francisco Airport Emergency Management
- County EMS
- Local ARES teams.



BAHN Monthly Net

- Meets on the **4th Wednesday of each month at 12 noon** on 147.060 MHz with a plus offset (600 KHz) a PL tone of 100 Hz on the W6CX repeater located on Mt. Diablo.
- It is followed by a simplex net on 146.430 MHz, no tone
- **The purpose of the monthly net, using the resources of amateur radio, is to provide a continuing demonstration of volunteer radio operators' emergency communications capabilities, which may be used in disaster events in support of hospitals and other response organizations.**

Radio Room KAISER RWC

The space is rather limited -
room for two hams only!

South County ARES





Kaiser RWC

- SCARES volunteers cover Kaiser Redwood City's emergency ham radio station each month.
- If you are interested to learn more about the BAHN and to volunteer, please contact me at:
k6acy@gmail.com or text me: 650-465-0201