

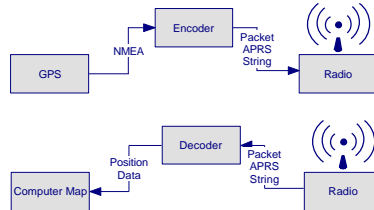
Oh Brother, Where Art Thou?



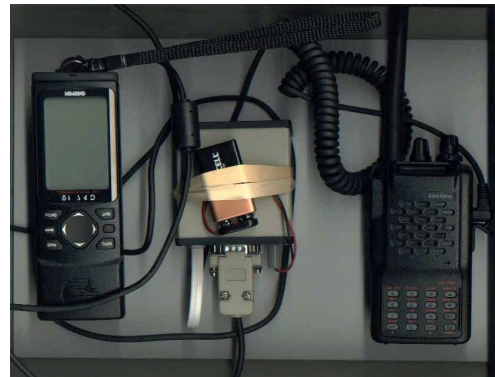
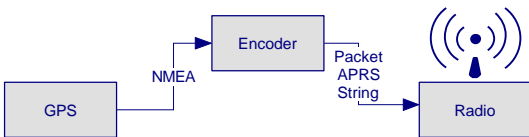
Jeff Lehman
San Bernardino Cave Rescue Team

Automatic Position Reporting System

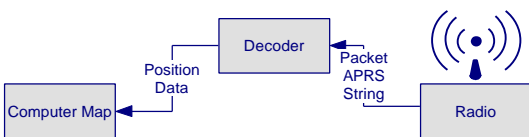
- Bob Bruninga, WB4APR
- Amateur packet radio (AX.25)



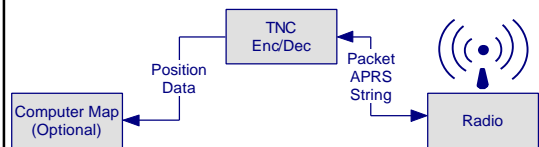
SAR Team

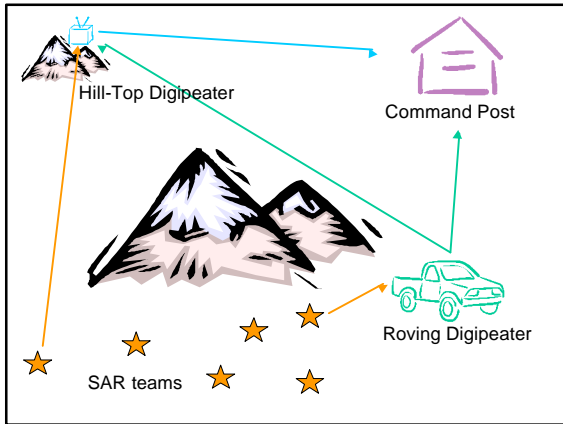


Command Post



Digipeater





In-Field Tracker

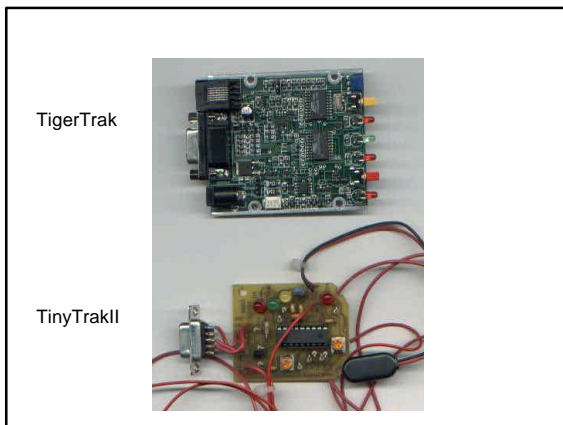
- Weatherproof
- Lightweight
- "Rescuer Proof"
- Integrated is probably best
- Common power supply

GPS

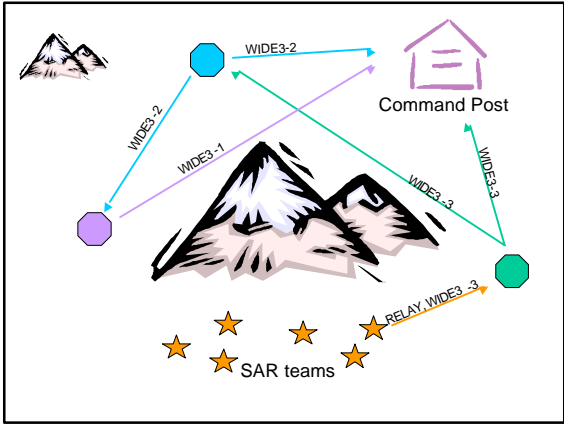
- Connect to a computer
- NMEA out
- Battery life

Encoder

- Size/Weight
- Power supply
- Connectors
- Proximity to radio
- Few external controls



Encoder Configuration



Command Post

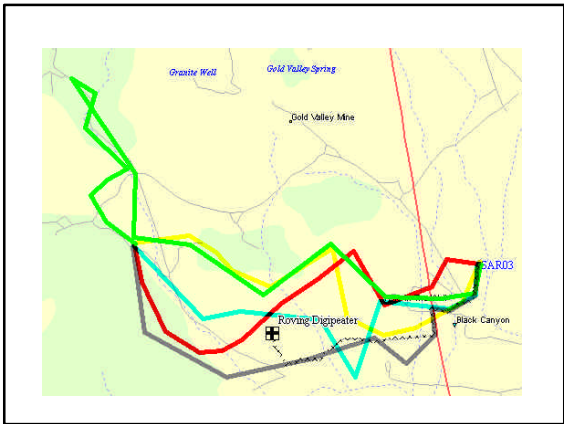
- Plug and play
- Easy to use
- Dedicated system

Decoder

- Power supply
- Stability
- Compatibility

Software

- Topographical
- Datum and coordinate system conversion
- Filtering
- Multiple station tracking



Digipeater

- Power supply
- Few external controls
- Smart digipeating
- Remote control
- Portable
- PDA for computer (optional)

Future

- Integrated packaging and power supply
- Mic-E vs. beacon
- Licensed comm/gov frequency
- Building infrastructure

Many Thanks

- Mountain Rescue Association
- San Bernardino County Sheriff's Cave Rescue Team (K6BAT)
- Tad Gallistel (KG6ANQ)
- Mark Kern (KE6QXF)
- Mark Kinsey (KG6JZX)

Info

- **Materials:**
www.sbsar.org/aprs
- **Contact:**
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