

Yolo County ARES and Amateur Radio

A Communications Safety Net



Yolo County ARES
www.yoloares.org



Presentation Overview

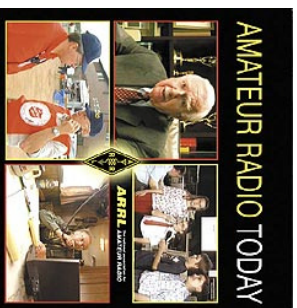
- Introductions
- What is Amateur Radio?
- Amateur Radio Emergency Services (ARES)
- Why does Amateur Radio work **When All Else Fails**?
- Amateur Radio and the Red Cross
- Questions and Answers...



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What is Amateur Radio?

Amateur Radio Today DVD



Available at: http://youtu.be/6Z9136_Nh14



Amateur Radio Emergency Service

- The Amateur Radio Emergency Service (ARES) consists of more than 40,000 licensed amateurs
- ARES provides an organized pool of communication operators to provide reliable communications links for governmental agencies and/or non-profit organizations



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Yolo ARES Communications Capabilities

- **ARES has the capabilities to:**
 - quickly create a communications network
 - provide communications at:
 - local level
 - county or state wide
 - world wide if necessary
- **Each ARES member is able to operate independently and effectively from most locations.**



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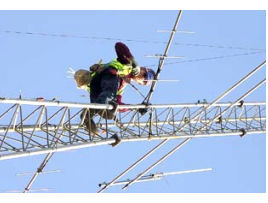
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Yolo ARES – Red Cross & City of Davis

- **Yolo ARES has provided Red Cross with communication links:**
 - between shelters and chapter houses
 - support for damage assessment
 - supply handling and logistics
 - health and welfare messages
- **Yolo ARES with the City of Davis Fire Department & CERT**
 - Installed antennas, coax, and power supplies at every fire station and the EOC



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When All Else Fails...

- **ARES made a difference during the recent hurricanes.**
- Immediately at the onset of Hurricane Katrina, over 1,000 FCC-licensed Amateur Radio operators provided continuous communications for state, local, and federal emergency workers in and around the affected areas in Louisiana, Mississippi, and Alabama.



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Emergency Communications

“In an emergency, communications is essential and time is the greatest value”

“The ability to gather information is the difference between life and death.”

Kentucky Governor Ernie Fletcher



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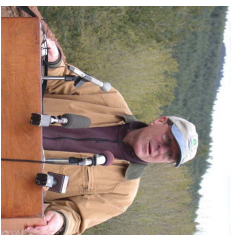
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Amateur Radio works...

Hams were heroes during Oregon flooding

"I'm going to tell you that the heroes from the beginning of this, were the ham radio operators. These people just came in and actually provided a tremendous communication link to us."

Oregon Governor Ted Kulongoski



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Amateur Radio works...

- Amateur Radio assisted during the 2012 Colorado fires setting up portable radio repeaters and relaying messages between the fire lines and command posts



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Yolo County Power Outage 2008

- Yolo County ARES and Amateur radio provided needed communication links:
 - between shelters and chapter house
 - supply handling and logistics
 - health and welfare messages



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When all Else Fails...

Communications failure is serious



Scenarios where backup communications can be vital:

- Internal or external telephone failure
- Mass casualty incident, causing overload of telephone system
- Area-wide disaster (e.g. earthquake, flood) resulting in widespread phone outage

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When all Else Fails...

Amateur radio and ARES provide vital communications for public events such as:

- Davis Double Century
- Foxy Fall
- Tewis Cup
- Western States Endurance Run
- Cache Creek Trail Ride

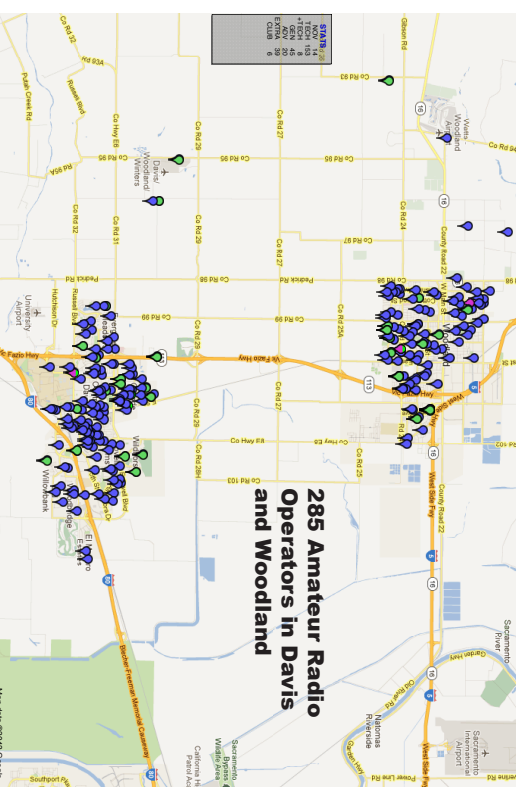


Amateur Radio during an Emergency

- ## Questions and Answers...



Amateur Operators In Davis & Woodland



Yolo County ARES Contact Info

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