



ARES and Amateur Radio

A Communications Safety Net



Sacramento Valley Section
Amateur Radio Emergency Service
www.sacvalleyares.org



American
Red Cross



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...



**American
Red Cross**



What is Amateur Radio?



Available at: http://youtu.be/5Z9136_Nhh4



**American
Red Cross**



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 communication links for governmental agencies and/or non-profit organizations



**American
Red Cross**



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.



**American
Red Cross**



ARES and Red Cross

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





When All Else Fails...

ARES made a difference during 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.





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



**American
Red Cross**



Amateur Radio works...

Hams were heroes during Oregon flooding

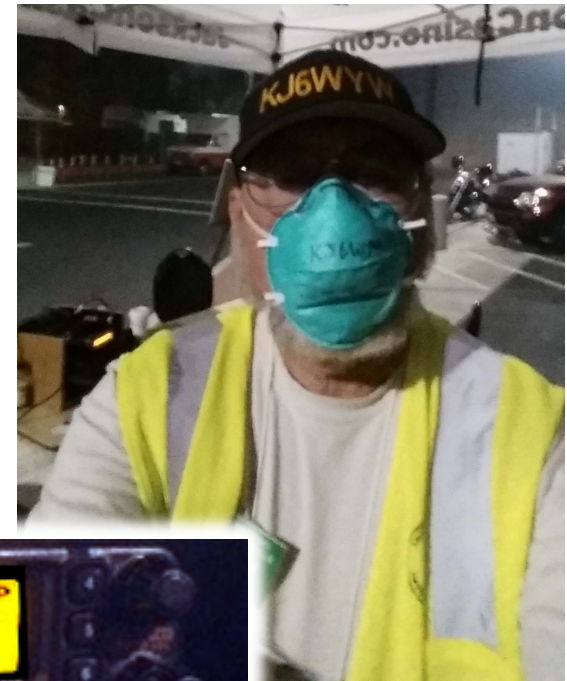
“I’m going to tell you that the heroes from the beginning of this, were the ham radio operators. These people just came in and actually provided a tremendous communication link to us.”

Oregon Governor Ted Kulongoski





Butte Fire 2015- 5 days at Shelter



American Red Cross ARC Disaster Requisition - FORM 6409

DR# (if applicable): _____ DR Name: _____

Requestor Name: _____ Signature: _____

Title: _____ Phone: _____

Delivery Information

Site POC Name: _____ Phone: _____

Address: _____

City: _____ State: _____ Zip: _____

Description of product(s) and/or service(s)

Stock No.	Quantity	Unit of measure (EA/PK/CS/BX)	Total QTY (each)	Description





Oroville Dam Response



- **188,000 people were given a mandatory evacuation notice in Butte, Yuba and Sutter county**



**American
Red Cross**



Oroville Dam Response – Nets

- Yuba Sutter EC Steve K6TAZ started an information net lending assistance during the evacuation



**American
Red Cross**



Oroville Dam Response- Shelters

- Butte County ARES responded to the Red Cross shelter in Chico for 9 days



**American
Red Cross**



Oroville Dam Response

- 870 people registered at the Chico Shelter



Supporting a shelter takes people and materials



**American
Red Cross**



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



**American
Red Cross**



Learn more about ARES



The Sacramento Valley ARES web site

- <http://www.sacvalleyares.org>

The ARRL web site has more information

- <http://www.arrl.org/ares>
-



**American
Red Cross**



Amateur Radio during an Emergency

- Questions and Answers..





Contact Information

Sacramento Valley Section Emergency Coordinator:

Gregory Kruckewitt KG6SJT

kg6sjt@gmail.com

530-219-0611

More information at our web site:

www.sacvalleyares.org



**American
Red Cross**