

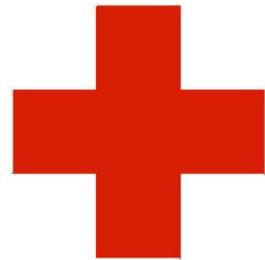
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# Amateur Radio during an Emergency

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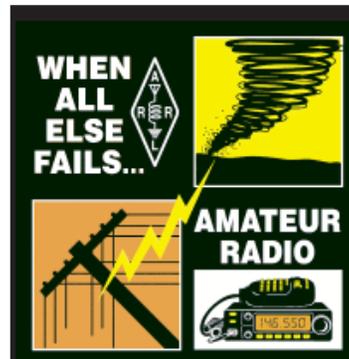


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ARES**



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Red Cross**

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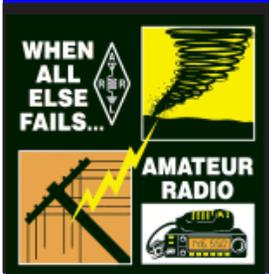
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# Class Overview

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- Introductions
- What is Amateur Radio?
- Amateur Radio Emergency Services
- Why does Amateur Radio work when all else fails?
- Amateur Radio and the Red Cross
- Getting your Amateur Radio license
- Questions and Answers...
- Demonstration of Amateur Radio



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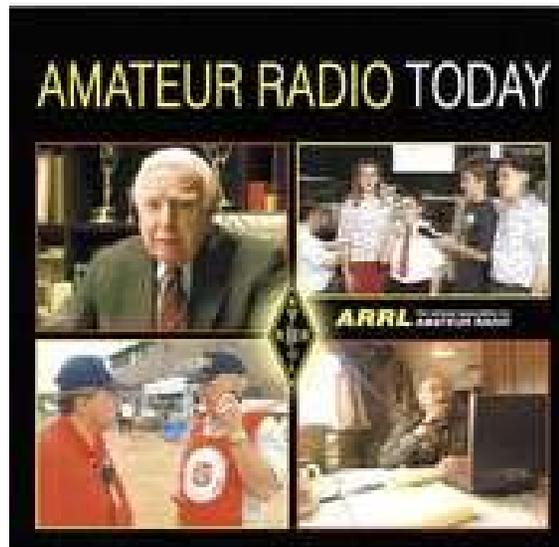
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# What is Amateur Radio?

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## Amateur Radio Today DVD



Link to on-line version of video  
[http://www.arrl.org/video/amateur\\_radio\\_today.mpg](http://www.arrl.org/video/amateur_radio_today.mpg)



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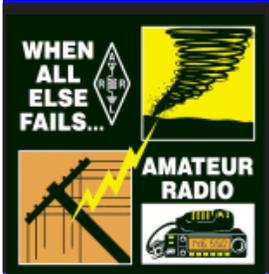
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# Amateur Radio Emergency Service

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- The Amateur Radio Emergency Service (ARES) consists of more than 35,000 licensed amateurs
- ARES provides an organized pool of communication operators to provide reliable communications links for governmental agencies and/or non-profit organizations when needed



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# Yolo ARES communications capabilities

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- 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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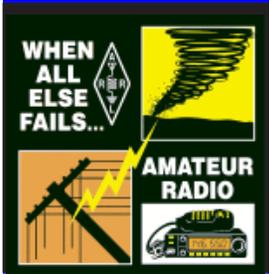
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# Yolo ARES – Red Cross

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- Yolo ARES can assist the Red Cross
- ARES can provide communication links
  - between shelters and chapter houses
  - support for damage assessment
  - supply handling and logistics
  - health and welfare messages



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# When All Else Fails...

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**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

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“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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# Amateur Radio works...

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Hams were heros 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.”*



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# Amateur Radio works...

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- Amateur Radio worked during the 2008 Southern California Fires



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# Yolo County power outage 2008

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- 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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# Getting your Amateur License

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- What is required to get a Amateur Radio License?
- One day class and testing session  
March 1, 2008
- Materials to help you prepare for the test...
- On-line test practice



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# What is required to get a License?

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- To get your **technician's license**, you have to pass an exam consisting of 35 multiple-choice questions.

If you answer 74% or more correctly, you're a ham!



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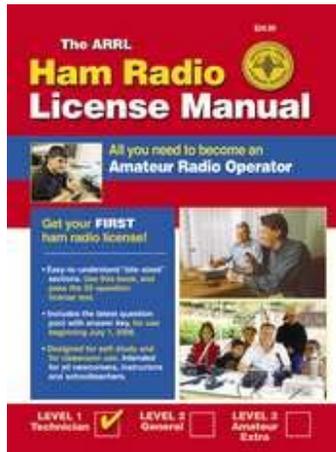
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# Materials to help you prepare...

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## Print Material:

- The ARRL Ham Radio License Manual -- *All you need to become an Amateur Radio Operator*



- Amateur Radio Technician Class Study Guide

[http://studyguide.eqth.info/Element2\\_Study\\_Guide.pdf](http://studyguide.eqth.info/Element2_Study_Guide.pdf)



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# Materials to help you prepare...

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## On-line Resources:

- **Practice tests that are available from many sources.** All of the practice tests ask the EXACTLY same questions, but they use different formats to present the questions and answers.
  - [www.aa9pw.com](http://www.aa9pw.com)
  - [www.qrz.com](http://www.qrz.com)
  - [www.eham.net](http://www.eham.net)
- **Download all of the multiple-choice questions and answers**
  - <http://www.ncvec.org/downloads/2006tech.pdf>



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# Materials to help you prepare...

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## More on-line Resources:

- Yolo County Amateur Radio Emergency Service (ARES)  
[www.yoloares.org](http://www.yoloares.org)
- Yolo County Amateur Radio Society (YARS)  
[www.yars.org](http://www.yars.org)
- American Radio Relay League (ARRL)  
[www.arrl.org](http://www.arrl.org)
- Hello Radio (ARRL)  
[www.hello-radio.org](http://www.hello-radio.org)
- Emergency-Radio (ARRL)  
[emergency-radio.org](http://emergency-radio.org)



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# Amateur Radio during an Emergency

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- Questions and Answers...
- If you have questions while you are studying you can email:  
[kg6sjt@gmail.com](mailto:kg6sjt@gmail.com)



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# Amateur Radio Demonstration

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- A hands-on look at Red Cross & amateur radios...



- Talk to a ham radio operator today!

*Say Hello!*



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