



Intro to the Clark County Amateur Radio Emergency Service

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Topics

- What is ARES®?
- What do Clark County ARES members do, what have we done?
- How do I get involved?



What's ARES®?

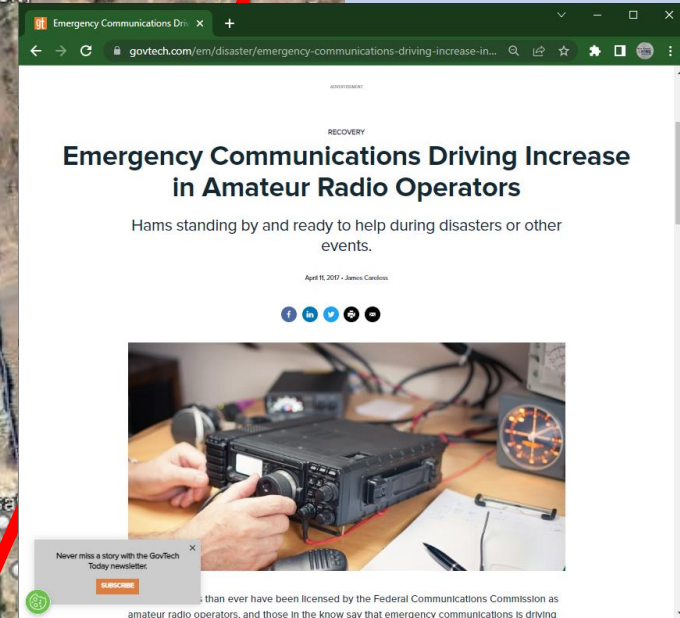
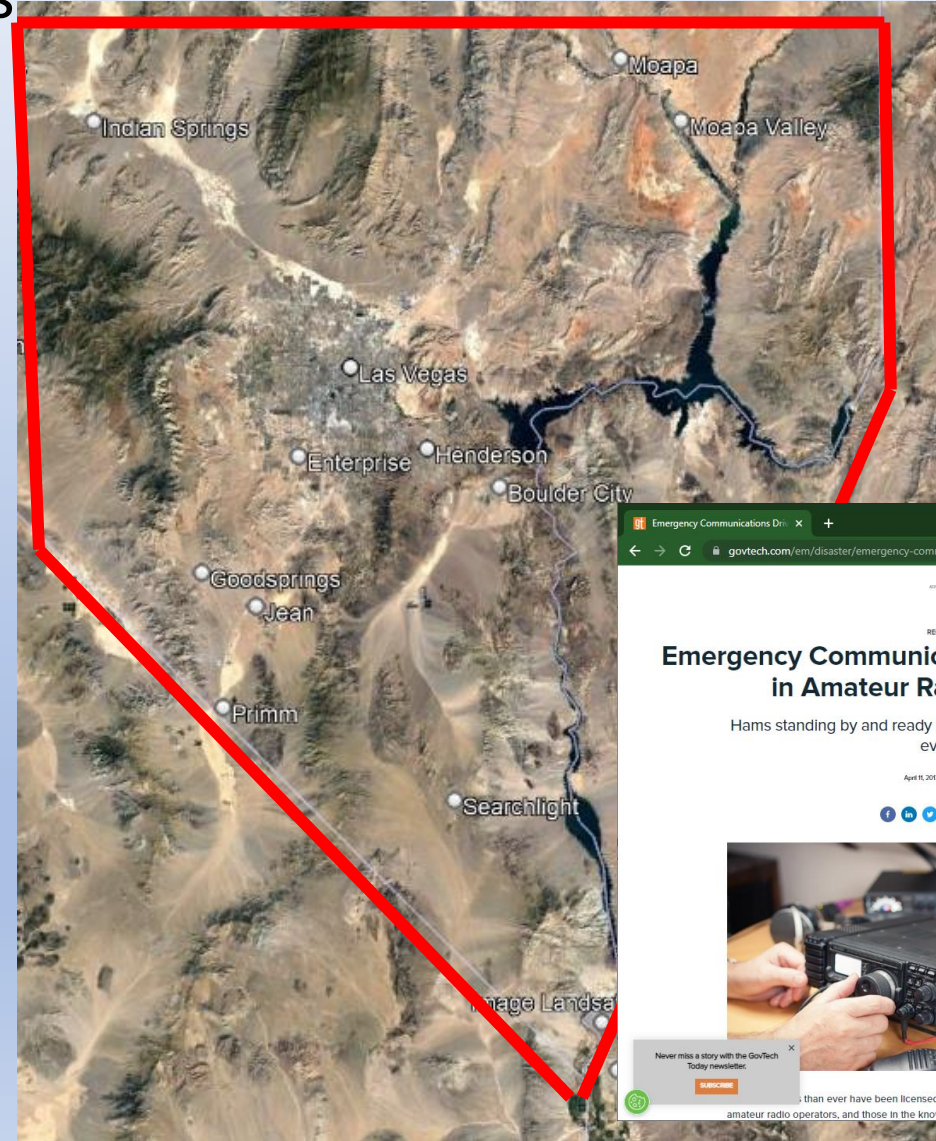
- Amateur Radio Emergency Service™ a program of the ARRL
- Volunteer ham radio operators serving their communities with voice and data communications
- ARES provides and tracks training specified by our served agencies and informs them who is qualified to support their requirements
- Served Agencies: Clark Co. Office of Emergency Management (OEM), State Office of Emergency Management (NVOEM), hospitals, National Weather Service/SKYWARN





Why? What's the Need?

- Clark Co is somewhat triangular, 130 miles per side
 - Larger than the smallest 5 US states!
- 2.8M people, mostly in 1 valley
- 57 listed med facilities on OEM website
 - Ham radio backup at many
- 19 town boards + major cities
 - OEM direction to support them all
- → targeting 200+ *active* members (7000 hams in Clark Co.)
- Earthquake territory
- Monsoons
- Mountains make remote comms difficult → hams' specialty





What do we do, what have we done?

- Activate the County Multi-Agency Coordination Center
 - 30+ agencies represented for major events
 - F1: 3 events, 3 days each + radio checks at other facilities
 - Super Bowl: 2 days (+ radio checks...)
 - New Year's Eve (annually)
 - VHF/UHF facility radios + go kits with Winlink
- Activate County Emergency Comms Center for major events
 - Our office, County IT building
 - VHF/UHF/HF/CB/GMRS/AX.25 BBS
 - Secured building





What do we do, what have we done?

- Run resource nets annually for Electric Daisy Carnival in conjunction with MACC stand-by
 - 3 ½ days, 236 hours donated *this year*
 - Monitor Web EOC with other agencies
- Generate field reports from hams and funnel to National Weather Service
 - Monsoons, wind, hail



SKYWARN
WEATHER.GOV®



What do we do, what have we done?



- Visit hospitals and municipal Emergency Operations Centers
 - Test on-site ham equipment
 - Facility familiarization
 - EOCs: Henderson, North Las Vegas, Las Vegas



What do we do, what have we done?

- Semi-official: not sponsored by CCNVARES but significantly staffed by our members:
 - Silver State Classic Challenge/Nevada Open Road Challenge: 200 MPH on public road for 90 miles, Lund to Hiko
 - First Responder's Relay Race: Henderson/Boulder City





What do we do, what have we done?

- Semi-official: not sponsored by CCNVARES but significantly staffed by our members:
 - Baker to Vegas: LEO foot relay race
 - Pony Express Re-ride: US Hwy 50
 - Corporate Challenge bike race/Jean
 - Off road events in Laughlin and Beatty





What do we do, what have we done?

- USGS Shakeout events, LAX ARES Tsunami Exercise, Nevada Simulated Emergency Test, Utah Shakeout
 - Send reports via Winlink to relevant agencies
- Some members participate in SHARES
- 6 members are AUXC certified by State of Nevada/FEMA, deployable nationwide



What do we do, what have we done?

- Weekly nets, Monday 1900, 1930 on repeaters
- Monthly training (soundcard interface build, LDS comms conference, NVIS exercise, park activation, dipole build, Winlink training, go box demos, AX.25 packet field exercise, ...)
- POTA activations





What do we do, what have we done?

- Bottom line:
 - We're welcome in government spaces
 - We routinely operate *away from home*
 - Mandatory, baseline skillset and equipment set
 - Off grid power, temporary sites/go kits
 - Austere environments: parking lots, desert, side of the road
 - Voice and digital comms
 - Local and HF comms
- Supporting community events while being ready to be the communications last line of defense in an emergency



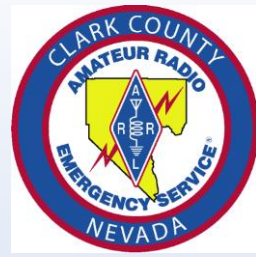
Work to be done

- Credentialling for government spaces
- Get 4 county ham repeaters re-linked (county IT working it)
- Eliminate prohibited commercial use of 447.325. FCC has investigated, told us basically we're on our own
- Re-establish 503(c), unfortunately required to conduct significant training or ops
 - Will require dues
- Recruit 200+ deployable, independent-working hams for hospitals, EOCs, shelters, ...
- Coord with clubs and similar orgs on EMCOMM; a major disaster will bring every ham out of the woodwork, need to collaborate



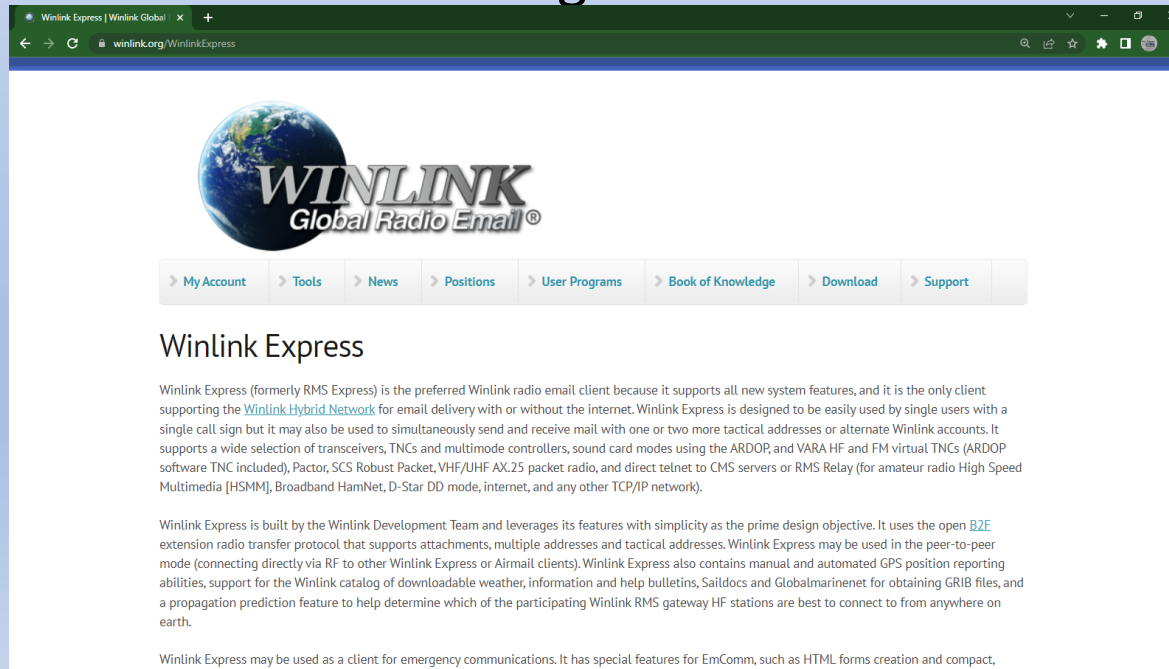
Future Paths

- Train any licensed ham in EMCOMM basics with no further expectations; grassroots neighborhood info gathering
- Train hams in hospital support, exclusively
- MOAs with ham clubs, similar orgs for coordination in emergencies




How to Get Involved

- Get a Winlink system account (email over radio), free at Winlink.org
- Complete the application at CCNVARES.ORG
- Complete Level 1 in the national ARES® Task Book with progress to complete Level 2; CCNVARES has adjusted some of the national req's
- Check in on our net/ attend a training session
- General or Extra license as a target



ARES® STANDARDIZED TRAINING PLAN



**ARES® EMERGENCY COMMUNICATOR
INDIVIDUAL TASK BOOK**

Task Book Assigned To:

Name: _____ Call: _____
ARES Group: _____
Phone Number: _____ Email: _____

Task Book Initiated By:

ARES® Leader's Name: _____ Call: _____
Title: _____ ARES Group: _____
Phone Number: _____ Email: _____

Initiated Location & Date:

Location: _____ Date: _____

Version: 1.0.2 March 2019



Thanks for your interest!
We look forward to your contact

CCNVARES.ORG

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