

Multnomah County ARES

February 2019

Welcome to the ARRL field unit for Multnomah County!



- ▶ First Meeting? Please introduce yourself!
- ▶ Please sign the attendance sheet
 - AT THE DOOR!!!



Photo: Robert Anglin

Leadership Team

- ▶ Emergency Coordinator: Nate Hersey NA7EE
- ▶ Assistant EC: Adam Karol KF7LJH
- ▶ Assistant EC: Robert Anglin WX5TEX
- ▶ Assistant EC: Deb Provo KK7DEB
- ▶ Training Manager: John Underwood KI7LYP
- ▶ Net Manager: Rachel Stout KI7NMB
- ▶ Net Content Coordinator: Patti U KB7GMM
- ▶ Web Master: Brian Cochran KE7QPV



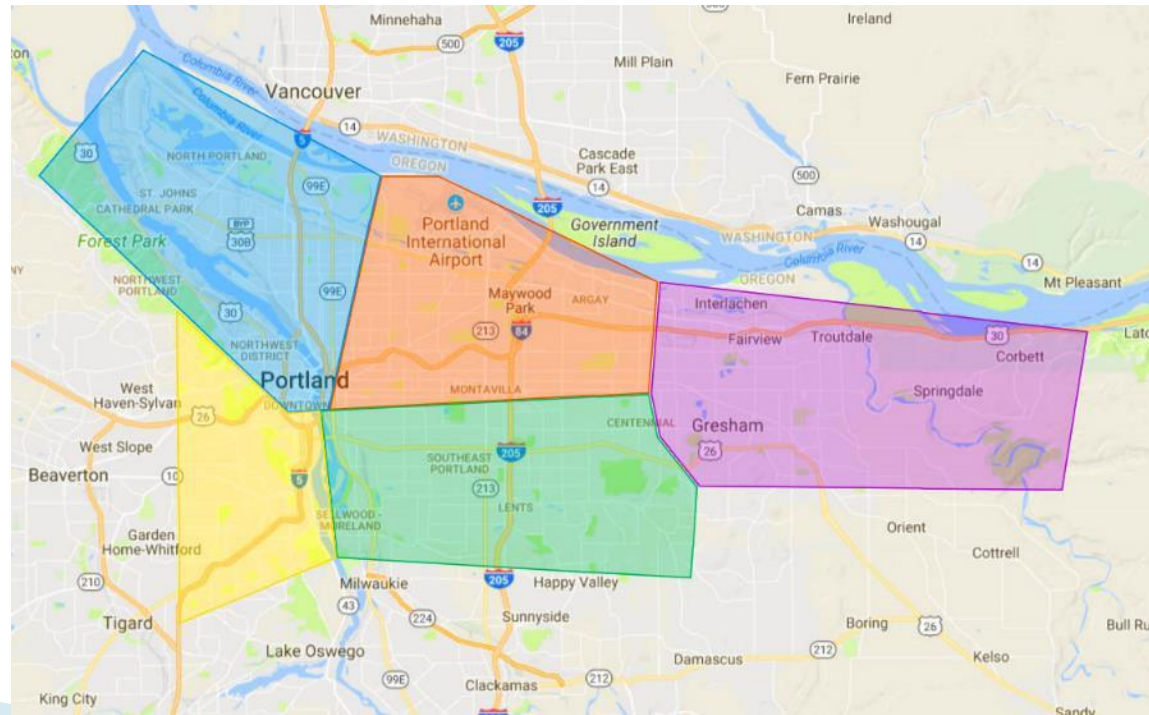
Photo: Robert Anglin

Team Leaders



When You feel the shake, get on .28!

- ▶ A– Ralph Merwin
- ▶ B– Emily Newberry
- ▶ C– Carrie Conte
- ▶ D– Nate Hersey
- ▶ E– Eli Pride
- ▶ M–Adam Karol



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Regular Meetings and Nets

- ▶ **Clubs are where you can get ham stuff we don't teach or drill!!!!**
 - **PARC:** Second Monday of the Month, 7:30pm at Central Northeast Neighbors Bldg
 - **HARC:** Third Thursday of the Month, 7:30pm MHCC Rm 1001 (WB7QIW.org)
- ▶ **Digital** Modes Training Net – first Tuesday of each month 8PM, 443.300 (100 Hz tone)
- ▶ **ARES** net: Wednesdays 7:00pm on 146.840 except Second Wednesday!!! (Simplex or Temporary Infrastructure)
- ▶ **Neighborhood Emerg. Comms** Training net (NECTN): Sundays 8:10pm on 147.040(+, 100Hz)

Agenda

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- ▶ Leadership Updates
- ▶ Events Completed
- ▶ Events Upcoming
- ▶ Training




Leadership updates



- ▶ Contact Leadership
 - Leadership@multnomahares.org
 - All Folks Q&A @ 6:15 prior to the meeting
- ▶ Facebook.com/MultnomahARES
- ▶ Instagram: @MultnomahARES

When You feel the shake, get on .28!

- ▶ Jan 2018 report **105 (+2)** members
- ▶ National Level Changes – Discussed Later
- ▶ MMSSTV Drill Planning
- ▶ Robert!!!! 

- ▶ Battery Junction “save5now”





Events/Training Completed

- ▶ Winter Field Day, Sat Jan 26th
 - Scouter's Mountain

- ▶ Winlink Drill From Home Feb 9th 3pm
 - The compressed timeframe of the drill and the great participation (50+ operators) leads to congestion; congestion management should be a continuous priority

 - Congestion on the bands is amplified as experienced in ops centers and communication clearinghouses

 - Node operation may queue stations as they work through traffic

 - Winlink is still much superior to voice traffic handling

 - Members are reminded to thoroughly review the drill guide before any event

 - Drills are our driver to maintain our readiness, gear; preps are best executed early and often



Events/Training Upcoming

- ▶ Saturday Workshop – J-Poles
 - Saturday March 9th
 - 15 Bux
 - Participants needed
- ▶ MMSSTV Drill from home
 - Saturday March 26th
 - Download App
 - Audio Coupling
- ▶ Spring SET
 - April 26th and 27th
- ▶ BEECN
 - April 28th?



Other Announcements?



SM / SEC

- New Training Guidelines?
- State level change?
- Spring SET?



That Guy



ARRL National ARES Plan



- ▶ Three pages of front matter
 - Why the plan, whenst the plan, Mission Statement, Vision, ARES is awesome written by the Nat'l ARES folks (all great stuff, but Nat'l ARES doesn't build the program at the county level – YOU DO!)
- ▶ NTS System – A vaguely worded bland statement that solves nothing as it comes to traffic
- ▶ Qualifications for ARES Memembership
- ▶ Qualifying / Certifying / Credentialing
 - ARES Connect – New Database in which we will participate
- ▶ Staff Positions



Qualifications

- ▶ “**Level 1** — ...primary level ...a non-leadership role ...introductory training is conducted by the local ARES group to meet their needs and those of their served agency or partners. ...~~Participants may elect to remain at this level...~~”
- ▶ This is less than current MCARES requirements and will not cover the needs of our county. In MC you must complete the basic ICS Courses and perform the background check. Participation standards in MC stand.



Qualifications

- ▶ “**Level 2** —participants shall have completed the following courses: ARRL’s EC-001 *Introduction to Amateur Radio Emergency Communications* (a no-cost program) and FEMA IS-100, IS-200, IS 700, and IS-800. Participants are also encouraged to take advantage of training opportunities available”
- ▶ This is in excess of current requirements. We as a crew will move towards compliance with all membership undertaking EC-001.
 - Leadership will take this first to verify its worth and applicability to general membership
 - What if I already took the old EC-001?



Qualifications

- ▶ **Level 3** — ...ARES ...leadership positions
...Participants are ... to complete ARRL's *EC-016, Emergency Communications for Management*, when available along with FEMA Professional Development Series of courses IS-120, IS-230, IS-240, IS-241, IS-242, IS-244, and IS-288 the Role of voluntary Organizations in [EM]. Participants ... are encouraged to complete the FEMA courses IS-300, and IS-400 should they be available locally.
- ▶ This only applies to Nate/Deb/Adam and whoever is planning to relieve us. EC-016 isn't ready yet. Make sure to review SM's list of courses to determine which are mandatory



What About Qual Cards?

- ▶ They stay for now and probably forever
 - The Cards' purpose is to guide our memberships training in an organized fashion and make sure we know you know your stuff
- ▶ My initial reaction is to add EC-001 as a line item to the ARRO card, but we'll see. We're still digesting the information and KI7LYP, NA7EE, and the rest of the leadership team will have to have time to make the right decisions.

MCARES in the EM Community



- ▶ Multnomah County Emergency Management
 - To whom we report and our strongest advocate
 - EM's vision is a mobile team of operators that can operate from the field to deliver message traffic as efficiently as possible.
 - *"If you told me you had 100 operators, I'd only ask for 500"*

- ▶ Beyond MCEM, ARES works with many partners in the area, assisting with technical knowledge, training and operations
 - PBEM NETs



SOP



- ▶ <https://www.multnomahares.org/docs/>
- ▶ Under regular revision
- ▶ Some key items for review:
 - Activation
 - Operations Specifics (digital, deployment, other)
 - SAMPLE NET CONTROL SCRIPTS
 - Links to all the forms you should have in your go kit binder
- ▶ Members should review annually (preferably at start of the calendar year so that we have a chance to get all the revisions in)

Frequencies



- ▶ <https://www.mtnomahares.org/docs/>
- ▶ A new freq template is under construction (for flashing your radios)

INCIDENT RADIO COMMUNICATIONS PLAN		1. Incident Name: Planning Document			2. Date/Time prepared:			3. Operational Period Date/Time:			
4. Basic Radio Channel Utilization											
Chan	Function	Alias	Assignment	Rx Frequency	W/N	Rx Tone/DCS	Tx Frequency	W/N	Tx Tone/DCS	Mode A, D, M	Remarks
63	Command	MC-1	ARES	146.84			146.24			A	Repeater
64	Resource Net	MC-2	ARES/NET	147.28			147.88		167.9	A	Repeater
65	Tactical	MC-3	ARES	146.94			146.34			A	Repeater
66	Command Simplex	MC-4	ARES	146.48			146.48			A	Simplex
67	Tactical Simplex	MC-5	ARES	146.46			146.46			A	Simplex
68	Backup Repeater	MC-6	ARES/NET	147.04			147.64		100	A	Repeater
69	Gresham Simplex	MC-7	ARES	147.56			147.56			A	Simplex
70	NET tac 1	MC-8	NET/PBEM	147.58			147.58			A	Simplex
71	NET tac 2	MC-9	NET/PBEM	147.54			147.54			A	Simplex
72	RMS	MC-10	ARES	145.07			145.07			A	K7MCE-10 & KF7LJH-10
73	Command	MC-11	ARES	146.84			146.84			A	Repeater Simplex
74	Resource Net	MC-12	ARES/NET	147.28			147.28			A	Repeater Simplex
75	Tactical	MC-13	ARES	146.94			146.94			A	Repeater Simplex
76	Backup Sim	MC-14	ARE/NET	147.04			147.04			A	Repeater Simplex
NOTE: Only use MC-11 thru MC-14 if repeater is NOT functioning											
	ARES RPTR portable	UHF RPTR	ARES UHF	440.275		151.4	445.275		151.4	A	MCARES Portable Repeater
	ARES RPTR x-band	Cross-band	ARES Cross-band	446.150		151.4	146.480			A	MCARES Cross-band Repeater
5. Prepared by (Communications Unit):			Contact Number:			Incident Location:			County:		

Resource Net



- ▶ When? Why? Who? Where? How?
- ▶ In the event of an emergency, the first order of action is to determine the communication resources available in Multnomah County. The first amateur radio operator available should establish the Multnomah resource net on MC-2 (147.280 MHz). If the repeater is disabled, establish the resource net on MC-12 (147.280 simplex).
- ▶ Be prepared to give information about your status and sitrep

Personal Prep – Snowpocalypse



▶ Not Radio Portion

- Know that we should be prepared ahead of time, leaving our time to assist in disasters
- Make sure employers and family is aware of potential duties for ARES
- Kit Contents?

▶ RF Portion

- VHF and UHF Voice, Packet and Soundcard operation with power and proper antenna is the stretch goal!