



Multnomah County ARES

January 2016

Welcome to the ARRL field unit for Multnomah County!



- ▶ First Meeting? Please introduce yourself!
- ▶ Please sign the attendance sheet.



Photo: Robert Anglin

Leadership Team

- ▶ Emergency Coordinator: Nathan Hersey N9VCU
- ▶ Assistant EC: Adam Karol KF7LJH
- ▶ Assistant EC: Robert Anglin WX5TEX
- ▶ Assistant EC: Deb Provo KK7DEB
- ▶ Training Manager: Steve Konrad AF7DD
- ▶ Net Manager: Marino Duregon KG7EMV
- ▶ Web Master: Brian Cochran KE7QPV
- ▶ PIO: Steve Hall W7RSH



Photo: Robert Anglin

Team Leaders

- ▶ Multnomah County ECC: Deb Provo KK7DEB
- ▶ Portland Bureau of Emergency Management: Brian Cochran KE7QPV
- ▶ City of Gresham and East County: Robert Anglin WX5TEX
- ▶ Red Cross: John Beaston K7TY
- ▶ Oregon Food Bank: Kiri Hargie K7KAH
- ▶ Lewis and Clark College: Julie Couch W7OW
- ▶ Rover: Michael Schilmoeller AE7XP
- ▶ Field Net Control – Adam Karol KF7LJH
- ▶ West Side Field Relay Team – Steve Hall W7SRH



Photo: Robert Anglin

Agenda

- ▶ Leadership Updates
- ▶ Events Upcoming
- ▶ Path Forward
- ▶ Operation of MCARES



Wednesday Night Net Control

- ▶ Sign Up and Do It! Nothing To It!
 - Sheet is making the rounds.



Regular Meetings and Nets

- ▶ PARC: Fourth Friday of the Month, 7:30pm at Liberty Centre Building (W7LT.org)
- ▶ HVARC: Third Thursday of the Month, 7:30pm MHCC Rm 1001 (WB7QIW.org) -
- ▶ ARES net: Wednesdays 7:00pm on 146.840
- ▶ NWTTN: Nightly at 6:05pm on WORC repeaters.
- ▶ Neighborhood Emerg. Comms Training net (NECTN): 8:00pm on ARRG Linked system
 - Now the largest net on the ARRG system - Go Michael!

Leadership updates

- ▶ Contact Leadership
 - Leadership@multnomahares.org
- ▶ Thanks to Eli! Thanks to Steve Konrad!
- ▶ Renewed marching orders from MCEM



Photo: Robert Anglin



Photo: Deb Provo and Eli Pride

Events/Training Upcoming

▶ Quarterly Drill

- Feb 16th at 9:00am

- County JJC
- HEART stations on VHF voice Command Net
- Resource Net
- Quarterly Report

▶ BEECN Drill

- Feb 27th at 2:00pm





WELCOME TO 2016

In 2016 we will continue to provide emergency radio operations at the behest of Multnomah County Emergency Management

- Duties to the County
 - We do what is in the director's vision by the Ops Mgr's direction
 - Field Relay Teams
 - ECC Station
- Duties to our partners
 - Served Agency Stations
 - Inclusion of all Aux Comm units in Multnomah County
- Duties to the state
 - Governor's grant /OADN equipment
 - Operation within the structure that OEM puts forth
 - Communications from MC to Salem

What we accomplished last year

- ▶ By the end of last year we demonstrated:
 - Ability to deploy more than 7 field teams simultaneously
 - We can operate indep at a field site or at a served agency
 - Run multiple nets simultaneously
 - Deploy field relay stations, including digital and voice repeaters (cross band)
 - Operate in:
 - Winlink (Packet and Pactor)
 - Digital Still Photography
 - VHF voice, HF voice
 - Streaming video
 - Coordinate multiple agencies, deploying multiple operators who have the ability to communicate and document their operations

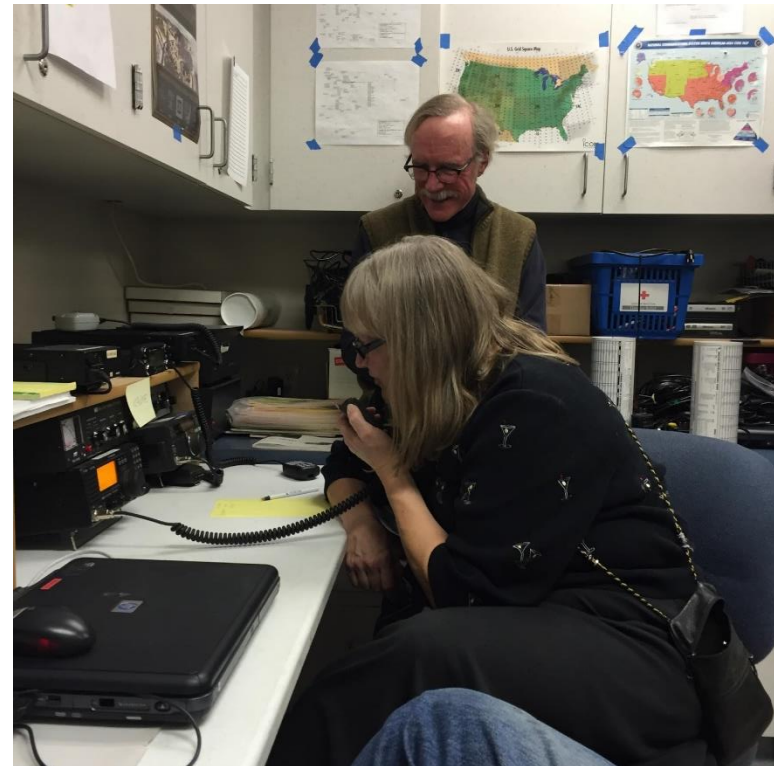


What We are looking to accomplish this year – Nate

- ▶ Re-affirmation and reinforcement of our existing operation skills
- ▶ Recruitment and training of new operators to our current operating skillset
 - Served agencies
 - Field relay teams
- ▶ Adoption of an official still photography mode
- ▶ GIS mapping capability in the Field and net control team
 - Associated skillset in reporting data for all members and our aux comm allies
- ▶ And of course, our heavy operating schedule
 - SETS, County Drills, MS Walk, DRT, HF Campout (Maybe VHF?) and all the other events that come our way

How We Operate – Nate

- ▶ Geographic Team Concept
- ▶ Served Agencies
- ▶ Field Relay Teams
- ▶ Training and Coordination
 - Operator Cert
 - Net Control Cert
 - HF
 - Digi



Assets – Adam

- ▶ Field Kits – (Existing)
- ▶ Field Kits – Potential
- ▶ Trailer – Mkl capabilities
- ▶ Trailer – GIS Potential
- ▶ A Quick Word on Digital Certification

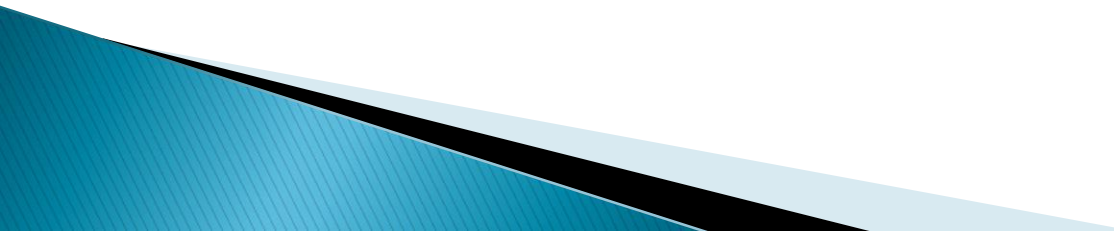


Field Operations – Adam

- ▶ Net Field Control Team
- ▶ Trailer – Update
- ▶ Trailer – Radio & IT Features, GIS Training
- ▶ A Quick Word on Digital Certification



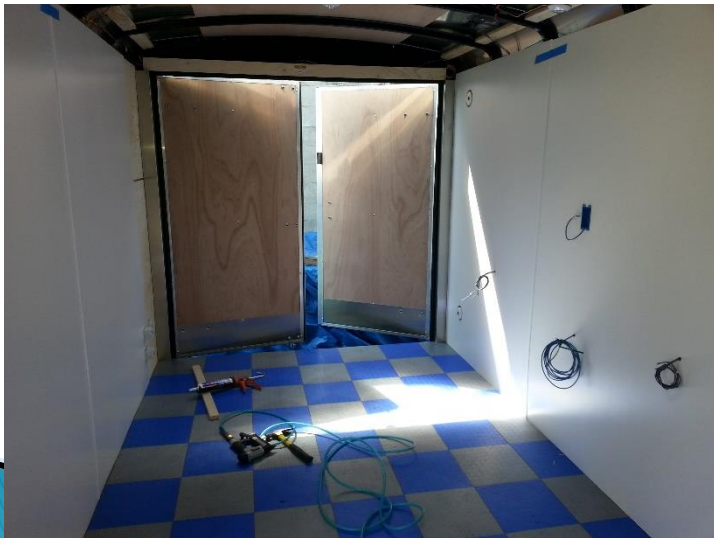
Field Operations – Adam

- ▶ NET control is difficult to run from a served agency
 - ▶ Several years ago ARES decided to run command and resource nets from the field
 - ▶ From home, car, tent....And now the Trailer!
 - ▶ Only a single team member currently – Looking for new team members!
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Trailer Update- Adam



Trailer Update – Adam



Trailer Update – Adam

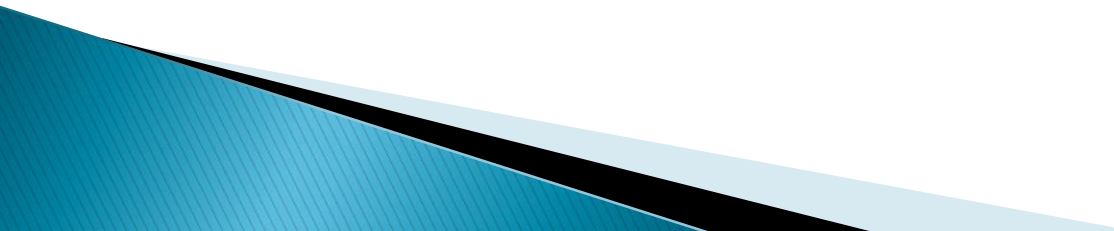


Trailer Update – Adam

- ▶ Radio Systems installation
- ▶ IT systems installation
- ▶ Monitor and TV mounting
- ▶ Roof rack system – antenna mounts, solar panel and cameras
- ▶ Operating desk accessory installation
- ▶ Front wall shelving system
- ▶ Ceiling installation
- ▶ Final interior lighting system
- ▶ A little painting, a lot of labeling, a lot of securing

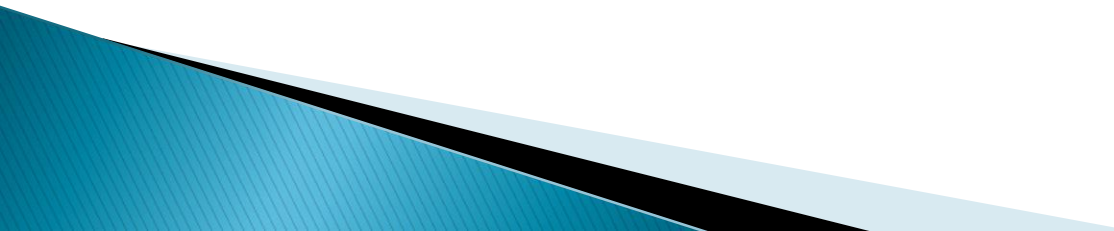


Trailer Capabilities– Adam

- ▶ Two HF, four VHF radios
 - ▶ Pactor, winlink, packet, APRS, soundcard modes
 - ▶ HSMM–MESH integration
 - ▶ IT Systems – Web, File, Print, VOIP, WI–fi, cellular data
 - ▶ GIS (mapping) capabilities
 - ▶ Propane–based generators for four days
 - ▶ 350ah of battery
 - ▶ 150w solar battery charging system
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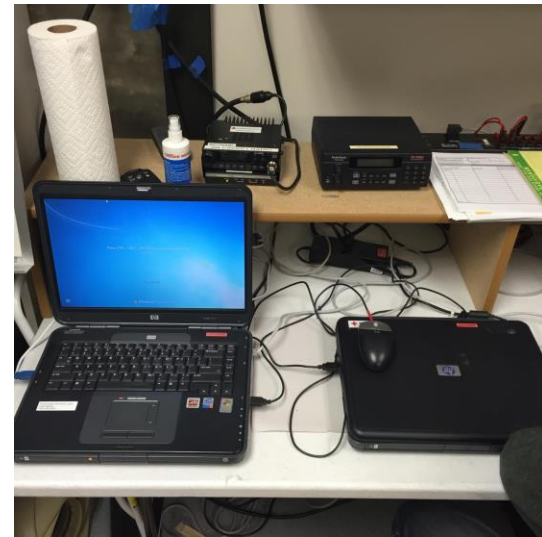
East County – Robert

- ▶ Expansion of communications – Looking to serve the cities individually (Troutdale, Wood Village, Fairview)

 - ▶ A Quick Word on the HF Cert
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Membership – Deb

- ▶ Individual activity – Maintaining your active status
 - New Membership requirements:
 - 6 activities per year
 - Meetings
 - Net Control
 - Events and Drills
 - Please report any non–ARES operating
 - Recruitment events



Regular NET Activity – Marino

- ▶ Every Wednesday at 7:00pm on MC1 146.840(-) no tone (W7LT/PARC)
- ▶ In 2016 we will explore different ideas and formats
- ▶ Retain but speed up initial check-in segment
- ▶ We will experiment with second part of the net
 - Digital Modes
 - Lightning talks on ham topics
 - EM updates
 - Neighborhood ARES updates
 - Special Guests
- ▶ Preferences? Feedback? Ideas? Want to Contribute?
 - leadership@multnomahares.org
- ▶ Please bring content if you have anything to disseminate!



Training and Education

- Transition with Eli
- Review December Survey Results
- Your Feedback
- Build on new opportunities

28 January
2016



Training and Education

- Training: NET control certs (17+)
Marino Duregon
- Training: HF certs
- New Members (process, goals, tactics)
Steve Hall

Training and Education

Workshop (Eli) ICS 100, 200, 700	4 February (R)	ARRO Certification Part 1
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Workshop (Eli) Traffic Handling	18 February (R)	ARRO Certification Part 2
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General Meeting (Eli)	25 February (R)	ICS Forms and Logging
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General Meeting (Marino)	24 March (R)	Net Control and Net Protocol
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Webinar or TNC needed	TBD	Winlink, Telnet only No radio
SET	TBD	State-wide exercise

MS Walk (Brian)	23 April (Sa)	contact Brian: KE7QPV@arrl.net
General Meeting (Adam) attachment, templates	28 April (R)	Winlink: Packet, Pactor, P2P, file

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MCARES 2016 Recruiting Challenge

Increasing membership to better serve our
community



Current Membership stats

- ▶ 50 Active Members
- ▶ 30 “non-active members



Why more members

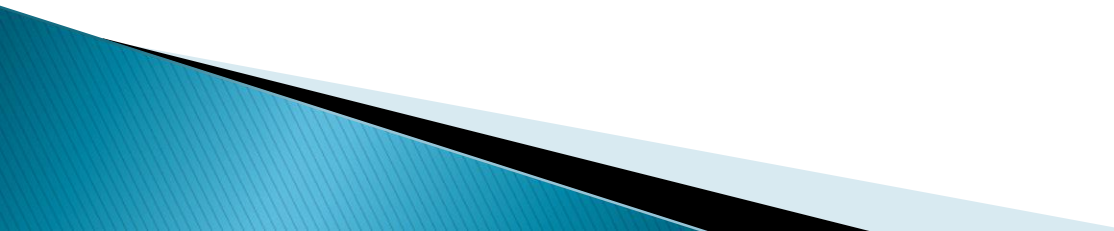
- ▶ Meet the demands created by new deployment model
- ▶ Replenish normal attrition
- ▶ Encourage new ham licensing



How many new members do we need?

- ▶ 7 new mobile field relay teams x 3 hams per team = 21
- ▶ 6 served agency teams x 1 new ham per team (minimum)= 6
- ▶ Let's round that to 30!

Some facts

- ▶ 2500 licensed hams in Multnomah county
 - ▶ 1800 on the “east” side
 - ▶ 700 on the “west” side
 - ▶ 2 ham radio clubs in Multnomah county
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How do we find 30 new members

- ▶ Public service announcements
- ▶ Ham radio events
- ▶ Social media
- ▶ Neighborhood association meetings
- ▶ Local ham radio clubs
- ▶ Portland net program
- ▶ Qst's on local nets
- ▶ Personal outreach
- ▶ VE test sites



Other recruitment ideas??



??????????

Recruiting plan

- ▶ Leadership has made this a priority
- ▶ Formal plan presented to membership at february general meeting
- ▶ **But..... don't wait -- start now!**

PBEM NET Comms activity – John and Michael

- ▶ New Comms Training and Organization
- ▶ NECTN: 20:00 Sundays on ARRG Linked Machines



Any other announcements ?

