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The Newsletter of the Multnomah County Amateur Radio Emergency Services

August 2015

Meetings

Multnomah County ARES
Every 4th Thursday
7:00 P.M.

Portland Fire & Rescue CTR
4800 NE 122nd Avenue, Portland
<http://www.multnomahares.org/>

PARC Meeting
Every 4th Friday
7:30 P.M.

One Liberty Center
650 NE Holladay Street, Portland
<http://www.w7lt.org/>

HARC Meeting
Every 3rd Thursday
Mount Hood Comm. College
Room 1001

<http://www.wb7qiw.org/>

Nets

Multnomah Co. ARES Net
Wednesdays at 7:00 P.M.
146.84 (no Tone)

District 1 ARES Net
Daily at 7:30 P.M.
147.320 (PL Tone 100.0)

Northwest Oregon Traffic
and Training Net
Daily 6:05 P.M.
145.27, 145.43, 145.47, 146.84,
443.150 & 442.275
(All have a PL tone of 107.2)



Sunday Parkways July 26th, 2015

Upcoming Events

Aug. 27 ARES General Meeting
Traffic Handling ICS 213 and NTS
Radiograms

Sep. 12 Drill from Home Use
what you learned at the August
general meeting

**Sep. 12-13 Portland Mini Maker
Fair** 10:00 A.M. – 5:00 P.M. At the
entire OMSI Campus

Sep. 20 Race for the Cure
Volunteers are needed! Contact
W7PAT@yahoo.com

**Sep. 27 Harvest Century Bicycle
Race** Contact Tony
amayernik@gmail.com

Oct. 4 Portland Marathon
https://portlandmarathon.org/volunteer/volunteer_individual.php Scroll
down to Ham Radio Volunteers

Oct. 10 Fall SET Quake EX II We
will need maximum participation!

Oct. 17 Disaster Relief Trials
Volunteers are needed! Cargo bike
challenge. Contact Brian
KE7QPV@arrl.net

Nov. 18 PBEM Exercise “Full Rip
City”

News from Around the County

The city of Gresham has been granted
its station call sign: WG7EOC. Thanks
to Robert WX5TEX for getting this
accomplished.



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July 26th, MCARES participated in the Sunday Parkways bike event. Matthew AF7PV and Andrew W7TKX managed traffic control at our intersection, while Steve W7SRH, Deb KK7DEB, John K7TY, Chris KE7OSH and Bob KG7JKQ passed out information about ham radio and Multnomah County ARES. We all had a great time meeting and talking with the participants.

The first annual MCARES HF Campout was held Aug. 15-16. Adam KF7LJH brought his 40' mast and strung two antennas from it. Nate N9VCU was a crack shot with his bow and arrow, getting lines over the trees to run another antenna. Robert conducted his HF training and certified three new HF operators. Congratulations to Carrie KG7NZZ, Kiri K7KAH and Ann KF7RBV! In all we had eleven MCARES members, some "Significant others" and one-year-old baby Wyatt. Contacts were made with Maryland and Illinois and with a Navajo code talker. The NTTN (Northwest Oregon Traffic and Training Net) was run from our campsite with Marino as net control. It was loads of fun, the setting was beautiful, and we all decided we must do this every year for TWO nights. Hope you will

Training News
By Eli W7ELI

Our training at the general meeting this month will be Traffic Handling. We will split into basic and advanced groups with Michael AE7XP presenting the basics to include similarities and differences between

NTS Radiograms and ICS 213s. He will cover sending and receiving protocols and how to format a simple NTS radiogram. I will present the advanced portion and cover more of the complexities of NTS traffic, book traffic, ARL numbered radiograms and how to deal with a complex emergency management form when the receiving station doesn't have the blank form.

Our Drill from Home on Sep 12 will be based on this training. Participants will create an NTS radiogram message, then check into the command net. Net control will pair up AROs and send them to a simplex frequency to exchange their messages. The simplex frequencies will be monitored by an experienced traffic handler who can offer guidance and correction. AROs will report back to the command net when they have sent and received a message and then they will be dismissed.

I will be presenting another ARO Basics workshop on Sep 3 and a Traffic Handling workshop on Sep 17. These workshops are for new/provisional members to get them on their way to ARRO certification. They cover all the items on the ARRO task list. If anyone else needs a refresher, let me know and I will get you in if there is room.

Membership News

Welcome to our newest member, Neil Rosenberg N6DVI and welcome back to Bob Cady N6ZKL.

It's been a very busy summer with lots of

public service events and there is no slow down for September and October. Thanks to everybody who is out there volunteering for these events. There are a lot more opportunities to volunteer coming up. These events are the best way to gain experience and hone your communication and radio skills.

Communications for the Disaster Relief Trials on October 17 are coordinated by MCARES. Brian KE7QPV will be contacting all of you soon to recruit volunteers.



**HF Campout in the Woods
Trailer and antenna setup**

**MCARES Served Agency
Organizations
By Steve Hall W7SRH**

The primary mission of the Multnomah County Amateur Radio Emergency Services unit is to ensure that qualified amateur radio operators (ARO) are ready to provide communications support to organizations (served agencies) that have requested these services in times of emergency.



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Currently, MCARES supports six “served agencies”. They include Multnomah County Emergency Coordination Center, Portland Bureau of Emergency Management, Oregon Food Bank, Portland Red Cross, Lewis and Clark College, and Gresham / East County Emergency Coordination Center. MCARES also works closely with the Portland Neighborhood Emergency Team (NET) program.

Each of these organizations is supported by a group of MCARES members who have committed to staff emergency ham radio operations during times of emergency. Members are trained on the radio equipment at their respective served agency sites. Members are also encouraged to cross-train at as many other served agency sites as is practical. This enhances MCARES members’ ability to respond in case they are needed at locations other than their “home” served agency.

Over the next several months, an overview of each of the MCARES served agencies will be featured in our newsletter. This month the featured agency is **Lewis and Clark College**.

Lewis and Clark College is located in Portland, Oregon. It has an undergraduate College of Arts and Sciences, a School of Law, and a Graduate School of Education and Counseling. The college occupies 137 acres centered on the M. Lloyd Frank estate on Palatine Hill in the Collins View neighborhood of Southwest Portland. The elevation is approximately 500 feet ASL. The fall 2014 student enrollment was 3504 students (2179 undergraduates and 1325 postgraduates).

Julie W7OW is the MCARES Lewis and Clark Served Agency Team Leader. She has been employed at Lewis and Clark College for over 19 years serving as Campus Safety Officer. Julie has been a member of MCARES since 2011. The information that follows comes from a recent interview with Julie.

During an extreme emergency when normal communications are lost, the MCARES Lewis and Clark Served Agency Team (SAT) will facilitate emergency communication between the College and parents/relatives of students and with outside agencies. The College plans to rely primarily on ham radio transmitted email. This will be accomplished utilizing Winlink.

The Lewis and Clark SAT currently has five members: Julie W7OW, Team Leader; Doug KG7MJJ; Jim K7JDK; Helen KE7SCS; and Carrie KG7NZP. The radio equipment for the team is housed in the Campus Safety/Visitor Information center on campus.

The equipment for the team consists of the following:

- HF operations: an ICOM 718 with an IT-100 auto-tuner, SCS-PTC-11 USB Pactor, and SEC-1235M power source.
- VHF/UHF: a Yaesu FT-8800 with Kantronics Packet Communicator and SEC 1223 power source.

Outside, a Yaesu 1.8 – 30 MHz Dipole is connected to the HF rig and a 2m / 70 cm vertical antenna (unknown brand) is used for VHF/UHF.

Each radio is attached to a dedicated laptop with RMS Express software,

headphones, and a desk mic. The College has generators for back-up power.

Julie is pleased that over 40 College staff are CERT trained, and she is encouraging staff to become hams so they can serve as emergency back-ups. One of Julie's biggest concerns is having enough team members to provide radio support when needed. Three of the five Lewis and Clark SAT members live within walking distance of the college. But during an actual emergency it would be a big challenge to provide sustained operations with just five MCARES members. This situation underscores the need for cross-training of MCARES SAT's, having staff who are prepared to serve as back-up hams at the college, as well as for the need to recruit more MCARES members.

Next month's newsletter will feature another of the Served Agencies supported by MCARES.



HF Campout - Inside the Trailer



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More Ways to Stay in Touch

NET net Mondays 8:00 P.M.
147.040 Mhz (Note: This is a time
and frequency change)

Email Focus Groups:

NEWHAM@multnomahares.org

For questions from new or
prospective members

LEADERSHIP@multnomahares.org

for technical and operational issues

TRAILER@multnomahares.org to

offer your services and donations to
the trailer project.

This space is for you. Please
submit a short article, your own
Featured Member Profile Story,
ads for items to sell or trade, or
pictures of anything radio or
ARES-related.

Email to:

newsletter@multnomahares.org

Thanks!