

Multnomah County ARES

February 2018

Welcome to the ARRL field unit for Multnomah County!



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



Photo: Robert Anglin

Leadership Team

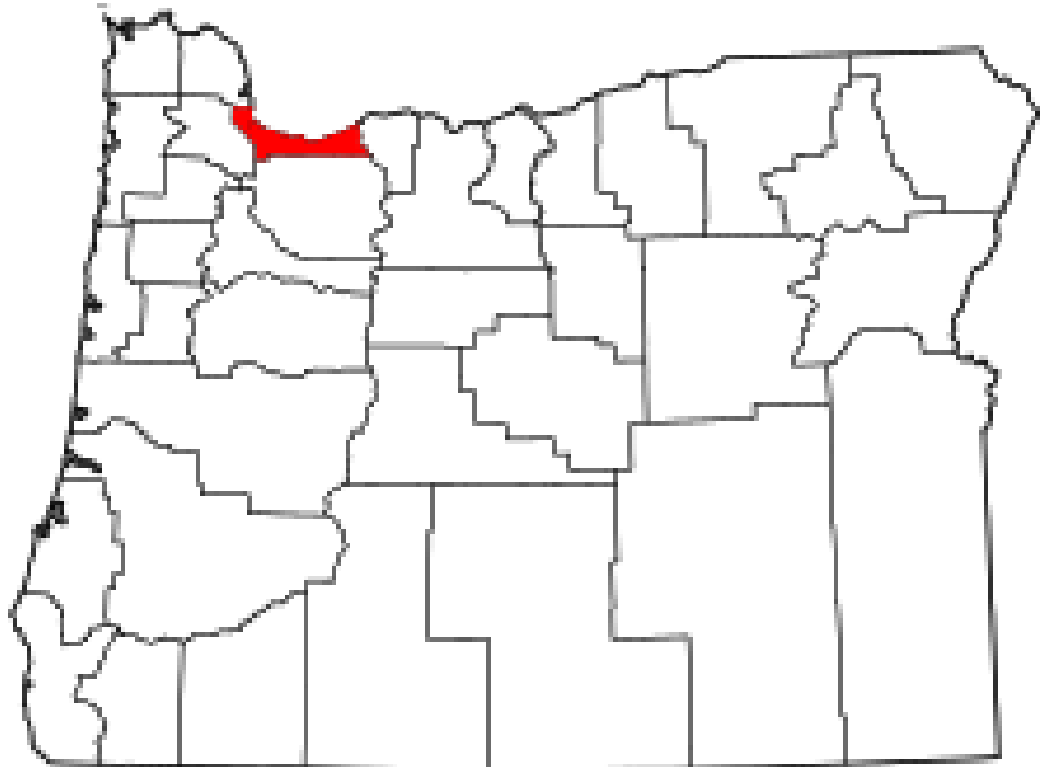
- ▶ Emergency Coordinator: Nathan Hersey N9VCU
- ▶ Assistant EC: Adam Karol KF7LJH
- ▶ Assistant EC: Robert Anglin WX5TEX
- ▶ Assistant EC: Deb Provo KK7DEB
- ▶ Training Manager: John Underwood KI7LYP
- ▶ Net Manager: Rachel Stout KI7NMB
- ▶ Net Content Coordinator: Patti U KB7GMM
- ▶ Web Master: Brian Cochran KE7QPV
- ▶ PIO: Steve Hall W7RSH



Photo: Robert Anglin

Team Leaders

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



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)
- ▶ **THTN:** 4th Tues, 8:00 P.M. 146.840
- ▶ **ARES** net: Wednesdays 7:00pm on 146.840 except Second Wednesday!!! (Simplex or Temp Infrastructure)
- ▶ **Neighborhood Emerg. Comms** Training net (NECTN): Sundays 8:10pm on 147.040(+, 100Hz)

Agenda

- ▶ Leadership Updates
- ▶ Events Completed
- ▶ Events Upcoming
- ▶ Training
 - Radio Operations
 - HF
 - VHF



Leadership updates

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

- ▶ MC EC Report – 89(+7) Members / 282.5 Hours for December

- ▶ Charlie Team Leader



Leadership Updates Continued

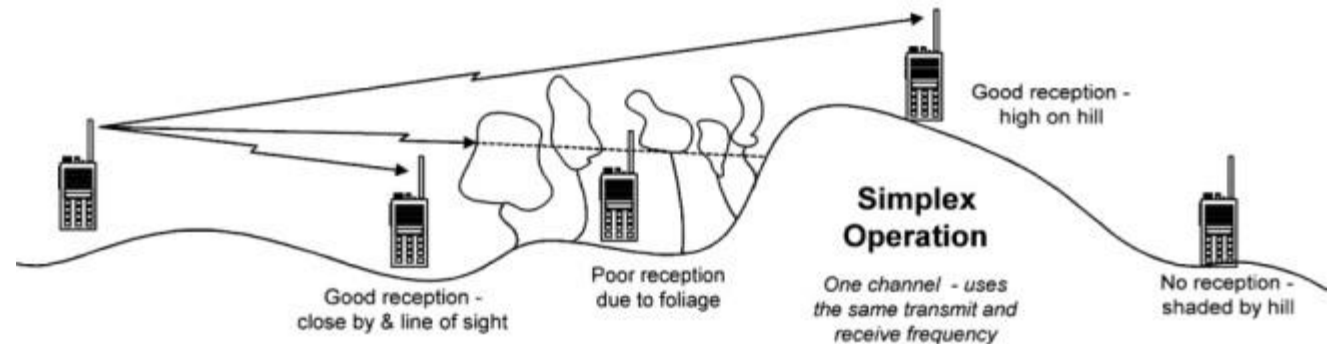
- ▶ QST
- ▶ Repeater Kit
- ▶ WB7QIW 147.280(+ / 167.9)
- ▶ Field Day Location Hunt Continues
- ▶ Oregon SM



Events Completed



- ▶ BEECN Drill
- ▶ Winlink Pajama Drill
 - 309 From Client
 - Times– Local
- ▶ Simplex Net





Events/Training Upcoming

- ▶ Feb 24th Hardware Workshop
- ▶ March 1st Traffic Workshop
- ▶ March 3rd/10th Tech Classes
 - WB7QIW.org
- ▶ March 10th
 - Charlie/Mike team drill
 - Alpha Team Training
- ▶ OR Sect Spring SET April 14th 09–13
 - Grid Cyber Attack

Other Announcements?

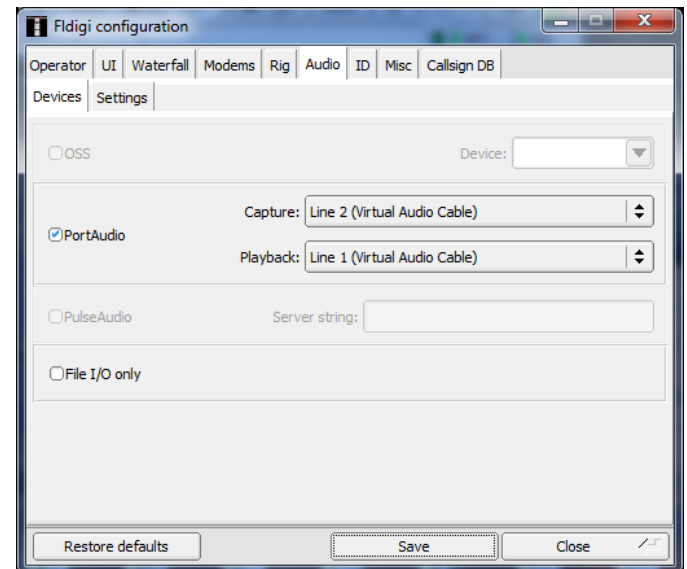
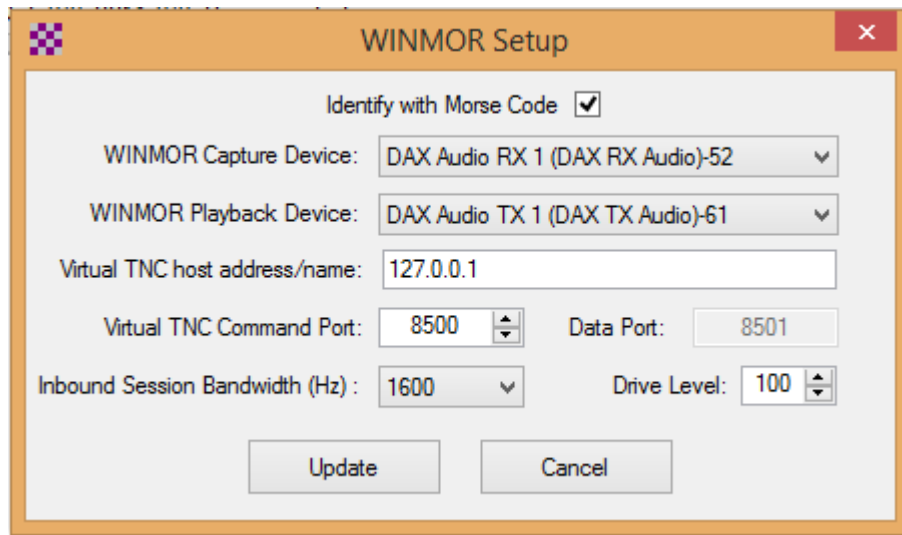


OPERATING Digital Modes

- ▶ We worry a lot about Pactor and Winlink
 - Winmor and eventually ARDOP will work via soundcard
- ▶ Pactor is pretty plug and play, however there exist other sound card Modes
- ▶ MMSSTV, Easypal
- ▶ Olivia
- ▶ PSK
- ▶ RTTY CW

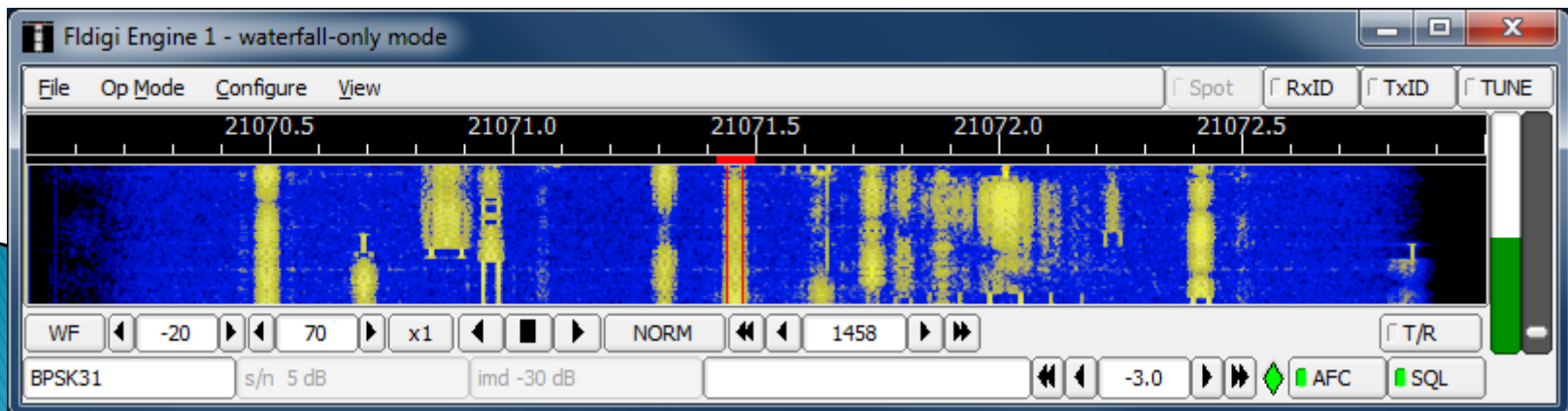
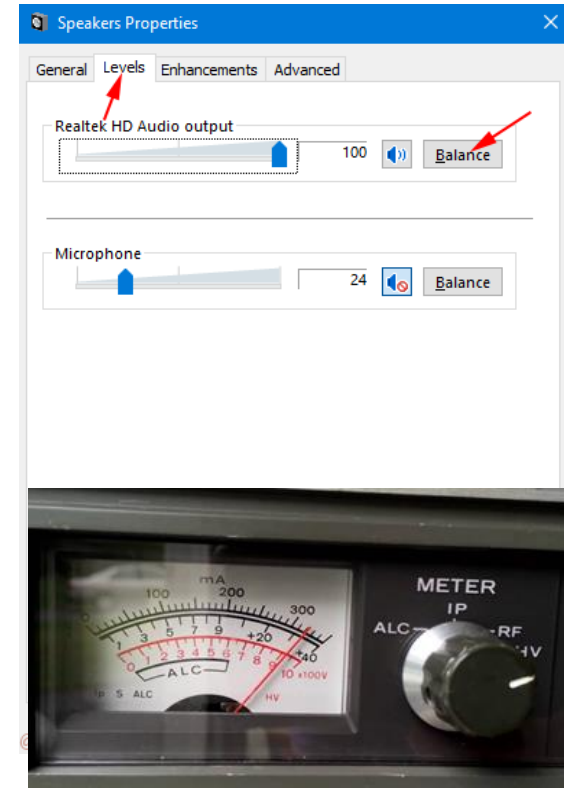
Hardware specifics

- ▶ Is your software looking for you hardware in the correct location?
 - Is the COM port selected correctly?
 - Are you using an USB external soundcard?



Gain, Amplification, Filtration and You!

- ▶ No Amplifier or filter works the best at its edges
- ▶ There's no reason to lose information unnecessarily
 - RX Gain
 - Filtering
 - DSP



Power?



- 25w to 100W is a 4x power difference
- About 1 S unit rec'd signal strength change
- Duty Cycle