



WARRICK COUNTY ARES/RACES



October 2020 Update

Meetings...

The Warrick County ARES/RACES group meets on the second Monday of each month. The meeting begins at 6:30pm and generally is completed by 9:00pm. The meetings are held on the third floor of the Court House in the EMA Conference room. Anyone needing additional information concerning meetings or location contact: Chris L. Owen at KC9CLO@gmail.com.

**** As of now, we will be holding the November 9th meeting virtual. Steve (K9SRC) will send instruction on how to participate before the meeting. ****

EOC Workday...

The Warrick County ARES/RACES group held a workday on October 10th. During the workday the main focus was identifying a high noise level on the HF bands. The members divided into several groups and performed tests to find the cause of the noise. One group used a directional antenna and determined very little noise was being generated within the building. A Dipole Antenna was setup on the Courthouse lawn and indicated a S3 noise level on a radio within the EOC. The coax and connectors for the antenna in the attic were tested and found to be in good working order. The dipole used on the lawn was relocated to the attic space and the S9 plus noise level dropped to an S4 to S5. With the testing done during the workday a determination of an antenna problem was identified. Discussion of what type of antenna would best suit the needs of the ARES/RACES group took place during the October meeting. The desired antenna would be capable of working the 20, 40, and 80 meter bands. Since the dipole that was used to test during the workday showed good results on 20 and 40 meters it was decided to find a dipole that would fit in the space within the attic. Mike Koester (AE9OZ) and Chris Owen (KC9CLO) are currently constructing a 10 through 80 meter trapped dipole. This antenna will fit in the attic and cover the needs of the ARES/RACES group. Thanks to everyone who came out during the workday and helped test the system. Steve Connaughton (K9SRC), Mike Koester (AE9OZ), John Williamson (KD9KEG), Ron Lyle (K0RL), Dave Sandine (KC9UVG), Bill Cunnane (KK7XT), Chris Owen (KC9CLO), and Dennis Slow (KC9SFP).



Red Cross Drill November 2020...

The next Red Cross exercise will be held on November 14th. The event will be similar to the last event with some changes to streamline the communications. The changes will target Winlink Proficiency.

The following is an excerpt from the American Red Cross Communications:

"Overview

During disasters, man-made or natural, the normal communications infrastructure can often be disrupted. Red Cross Radio Operators may be called upon to provide emergency



American
Red Cross



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communications support through the use of voice and/or digital radio communications. As such we need to build skills and knowledge among our operators allowing for clear, effective communication.

This document identifies core skill goals for Winlink digital messaging in support of the American Red Cross, divided into **Basic**, **Independent** and **Advanced** levels.”

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Prepared Sept 2020 by the Red Cross EmComm Steering Committee for the Fall 2020 Drill

Operator Skill Levels	
Basic	Communicator has the basic skills which meet the knowledge and performance skill goals.
Independent	Communicator has intermediate knowledge and skill and is capable of independent operation, without coaching or assistance, in the qualified skill goal area.
Advanced	Communicator has more advanced knowledge and skill and is considered a subject matter expert. May act as a communications lead and/or mentor. Capable of more difficult assignments, requiring more equipment and more complicated configurations, operations and troubleshooting. Is able to deploy and operate for an extended duration.

The American Red Cross recommends the following links to preparing for the event:

- A. SD ARES WL2K San Diego ARES Winlink YouTube Series
<https://www.youtube.com/playlist?list=PL-7mirT-kjfs84FQzLr-qv066Kl94rtYM>
(While dated process is relevant for todays' Winlink Express P2P operation)
- B. Winlink BOK (Winlink *Book of Knowledge*)
https://winlink.org/content/winlink_book_knowledge
- C. Winlink Express Application integrated Help documentation
- D. Winlink for EMCOMM - John Davis, WB4QDX
https://www.youtube.com/watch?v=3gdwsV9_ca0&feature=youtu.b



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Indiana HF Nets...

There are two Nets that are good indicators of how well our equipment can talk with others in Indiana. Take time to check in on the following:

Indiana ARES Net	Sunday	4:00p.m. (our time)	3.900 primary	3.905 secondary
Indiana Traffic Net	7 days a week	7:30a.m.	3.912	
		5:00p.m.	3.910	

Fox Hunt...

The Ohio Valley Amateur Radio Club held a Fox Hunt on October 17th. The Warrick County ARES/RACES group had a total of 5 members in attendance. This hunt was set up differently from previous hunts. For this hunt the participants were required to find the starting location using GPS coordinates. From the starting point each was given an intersection to locate and travel to. (The intersection given was picked due to not being on most maps.) Upon arriving at the location the Radio Fox Hunt began. With each different setup the hunters are learning new skills.



The addition of the new steps was to prepare the members of the group for deployment. There will be times when GPS coordinates will be used. Other times intersections will be given. (What do you do if they aren't on the map? What would you do if the cell phone no longer works?) At a future date the Fox Hunt will become a coordinated deployment by a central command center. This will require good communications as well as the ability to track a radio signal.

The next Fox Hunt to be done by the Ohio Valley Amateur Radio Club is tentatively set for November 28th. This will be a simple hunt to let people bring family members out and stretch their legs after all the Thanksgiving festivities. Get the equipment ready and bring a friend or family member. As always, the Fox Hunt is open to all who wish to attend. It is a fun time for all.

ARES Net...

The Warrick County ARES-RACES net meets each Thursday night at 7:30 pm on the Boonville Repeater. The frequency of the repeater is 147.075 MHz with a pl tone of 88.5. If you are unable to run the net on your scheduled date please find someone to cover for you. Thanks to all.



The net schedule for the second half of 2020 is as follows:

K0RL	RON	LILE	07/09/2020	K0RL	RON	LILE	10/08/2020
K9SRC	STEVE	CONNAUGHTON	07/16/2020	K9SRC	STEVE	CONNAUGHTON	10/15/2020
KT9B	RICK	WILLIAMS	07/23/2020	KT9B	RICK	WILLIAMS	10/22/2020
KC9UVG	DAVE	SANDINE	07/30/2020	KC9UVG	DAVE	SANDINE	10/29/2020
KB9DOI	WAYNE	HOWARD	08/06/2020	KB9DOI	WAYNE	HOWARD	11/05/2020



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W9KHP	RAYMOND	EDGE	08/13/2020	W9KHP	RAYMOND	EDGE	11/12/2020
AE9OZ	MIKE	KOESTER	08/20/2020	AE9OZ	MIKE	KOESTER	11/19/2020
KC9OUT	RON	HANES	08/27/2020	KC9OUT	RON	HANES	11/26/2020
KC9CLO	CHRIS	OWEN	09/03/2020	KC9CLO	CHRIS	OWEN	12/03/2020
W9TPJ	TOM	PAYNE	09/10/2020	W9TPJ	TOM	PAYNE	12/10/2020
KD9MHC	DON	HARRIS	09/17/2020	KD9MHC	DON	HARRIS	12/17/2020
KD9KEG	JOHN	WILLIAMSON	09/24/2020	KD9KEG	JOHN	WILLIAMSON	12/24/2020
KK7XT	BILL	CUNNANE	10/01/2020	KK7XT	BILL	CUNNANE	12/31/2020

Auxcom Trailer...



Work continues on the Auxcom Trailer. There are several items still needing to be completed as weather permits. Some of these items can be completed with the COVID-19 restrictions in place. Contact Steve at scouuaug@gmail.com to gain access to the trailer.

If you have any of these items that you would like to donate to the Group it would be greatly appreciated.

Auxcom trailer needs

- Replacement plywood in doors (back doors 31^{1/2}" X 66^{3/8}", Side door 31 1/4" X 57 1/4") (Plywood has been purchased)
- Seal Roof (Sealant available in EMA barn)
- Mast marked for max extension and locking rings glued
- Finish upper clamp for mast
- Wireless mounting, device
- Lights moved to separate Power Supply
- Install upper wall aluminum trim
- Install Anderson power poles to radio and connect to power.
- Interior paint touch-up
- Tools (There are some of these tools in an existing tool set. Please verify need before purchase)
 - LED Flashlight
 - Allen Wrench set, SAE and Metric
 - Combination Wrench set, SAE and Metric
 - Adjustable Wrench set
 - Small Channel Lock pliers
 - Hammer for tent pegs
 - Basic Soldering iron and Solder
- RF Adaptor set
 - SO-239 UHF Female SO239 Jack to BNC Male Plug Adapter
 - BNC Female Jack to UHF Male PL-259 Plug Adapter
 - N FEMALE JACK TO PL-259 UHF MALE PLUG ADAPTER
 - SO-239 UHF Female SO239 Jack to N Male Adapter
 - 6" UHF SO239 Female Jack to SMA Male Pigtail Jumper Cable RG316 SO-239
 - 6" UHF SO239 Female SO-239 Jack to SMA Female Plug Pigtail Jumper Cable RG316



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- SMA Female Jack to UHF SO-239 Female SO239 Jack Adapter
- SMA Female Jack to UHF PL-259 Male Plug Adapter
- BNC Female Jack to SO-239 UHF SO239 Jack Adapter
- Video Adaptor set
 - HDMI FEMALE TO MINI-HDMI C MALE ADAPTER, 1080P 6"
 - HDMI Digital Video Female to Female Coupler
 - Male DVI-D to Female HDMI Digital HDTV Video Adapter
 - Female DVI-D to Male HDMI Digital Reverse Video Adapter
 - HDMI Male to VGA Female Monitor Active Adapter W/ Audio Out
 - Mac Mini Display Port Male to HDMI Female Adapter, White
 - PC DP Display Port Male to High Definition HDMI Female Adapter Cable
 - HDMI Female Jack to Micro HDMI Male Adapter, 1080p 6"
 - HDMI Male to Male Digital Video Cable - 25 Ft V1.4 4K
- Misc supplies
 - 20W LED FLOODLIGHT OUTDOOR YARD FLOOD COOL WHITE LAMP BARE WIRE 12VAC – DC (2)
 - Crimp on UHF-MALE PL-259 PLUG RADIO CONNECTOR
 - RV type TV antenna
 - [RV Travel Trailer Entry Door Lock](#) Polar White Paddle Deadbolt (Amazon \$25.99, Would be nice to have installed before winter field day)
 - Ropes and hardware to guy mast. 3 sets min needed. (This would include carabineer to fit the mast guy blocks, tent stakes or other anchor and turn buckle for fine adjustments)
 - Storage for guy ropes. (Stuff bags or other storage)
 - Mike hanger clips (Yaesu style)
 - Computer Monitor Wall mount
 - Wireless Keyboard / mouse
 - HDMI to DVI cables (3)
- Appliances and Furniture
 - 2 rolling Office chairs (small)
 - .7 Cu Ft Microwave
 - 2.7 Cu Ft or smaller Refrigerator

Note, Many items available from www.wiredco.com

Everyone Stay Well and until next time..

73's

Chris L Owen (KC9CLO)

Public Information Officer

Warrick County ARES/RACES group

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812.217.0282



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Amateur Radio VE Testing:

The Ohio Valley Amateur Radio Club will be holding testing at the Warrick County EOC. The next testing will be...



November 14th at 9:00 a.m.



At the Old Boonville Courthouse
3rd Floor

Entrance will be through the North lower level doors

Signs will be posted guiding the way

The cost for the test is \$10.

WHAT TO BRING WITH YOU TO THE AMATEUR RADIO TEST

Two forms of identification, including at least one photo ID
(Drivers license, Employer's identity card, or a Student ID)

A calculator

Your FCC Federal Registration Number (FRN)

Information here:

<https://www.fcc.gov/wireless/support/universal-licensing-system-uls-resources/getting-fcc-registration-number-frn>

Upgrade Exams:

Your current Original License and a photocopy

Any original "Certificate of Successful Completion of Examination" (CSCE) and a photocopy.

Your FCC Federal Registration Number (FRN)

For Additional Information

Chris L. Owen (KC9CLO)

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