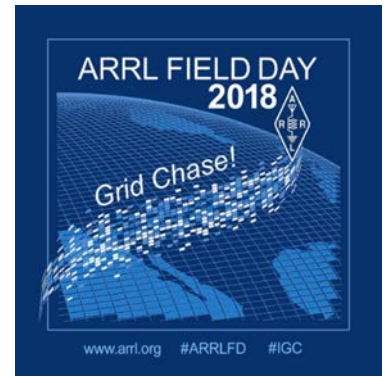




Ohio
Section
Journal

Field Day Edition



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From the Technical Coordinator

Jeff Kopcak – K8JTK TC

k8jtk@arrl.net

Hey gang,

The Wood County Amateur Radio Club (which I'm a member) has a Fusion digital net on Thursday nights. Longtime club member Phil – W8PSK, posed the question: can I operate a Wires-X node mobile from my RV?

A little background about Wires-X setups. Wires-X is part of Yaesu's System Fusion and is a closed Internet linking system. Only Yaesu hardware is allowed. Other digital devices like the OpenSpot, DVMega, and Pi-Star are not permitted. The obvious answer, if it were a viable choice, would be to use a digital hotspot but Yaesu doesn't allow them. Wires-X hardware requirements include: a Yaesu FTM-100D or FTM-400XD radio or Fusion repeater, Yaesu HRI-200 interface between the radio and PC, a Windows 7 or 10 PC (yes, it must be Windows machine), and an Internet connection with a global IP address. A common example of a global IP address is one provided to you by your DSL, Cable, or Fiber provider. This IP is accessible from anywhere on the Internet and (generally) unrestricted. Lastly, another radio is required to use the Wires-X node locally.



Having setup my own Wires-X node in addition to LEARA's repeater node, my first assumption was Phil would be able to connect out from his node in the RV to any other Wires-X node, but no other node could connect to him. This theory was based on the need to open or "[port forward](#)" 7 ports from the Internet to the PC running the Wires-X software. Port forwarding is a computer networking method used to allow data to bypass a firewall which would normally block that communication. Those that run websites from their network or have access to IP cameras while away from home will have these port forwards configured in their router.

Phil planned on using his smartphone as the Internet connection to the PC. Modern Smartphones have the ability to use the cellular network to serve an Internet connection to other devices like a laptop or Raspberry Pi via Wi-Fi connection. This is labeled something like "Mobile Hotspot" or "Personal Hotspot" in the phone. *Standard disclaimer: check with your provider first in case there is an extra charge for this service or bandwidth cap.* Bandwidth is standard for a Voice over Internet system at about 60kbps/connection or about 30 MB/hour/connection with constant TX/RX. Port forwarding is never allowed on consumer cell plans. The unknown was can the Wires-X software connect without the port forwarding outlined in the configuration. I tested my theory to see if the Wires-X software functioned by modifying a known working Wires-X configuration. I closed (temporarily disabled) the forwarded ports on my network. This meant communication over those ports would now be blocked, similar to that of a cellular connection. Then restarted the Wires-X software and hoped for the best. Was my theory correct? Drumroll please... the answer was: no. Wah waaaah. Not having the required ports forwarded to the PC did not allow the software to receive data from the Wires-X network. That result almost killed any hope of Phil using Wires-X mobile in his RV.

Phil was determined and we looked further into different solutions. VPNs were an option because they can often bypass network restrictions. However, a small number of VPN providers allowed forwarding ports as part of their service. Reviews weren't positive and VPNs tend to easily fail with unstable data connections as one might have while mobile. Not something to be messing around with while driving. It introduced another point-of-failure in this setup. Hilariously enough, there were applications that touted the ability to 'open ports on your phone.' These wouldn't work because it might open ports on the phone, almost assuredly the provider was blocking any ports upstream to the phone. Verizon offers a business account which allows port forwards but there is a one-time setup cost of \$500 plus the service. Yeah, no. I suggested asking in the Yahoo group. John - N9UPC, Fusion representative for Yaesu, reinforced the conclusion I came to: operating mobile wasn't possible because wireless providers don't provide a global IP. Though Phil posted his question in late April, oddly enough John did not give any indication to an announcement at Dayton. One solution that looked promising used [AMPRNet](#) which is block of Internet routable IP addresses for ham radio operators. It could give us the global IP address we needed. After finding out more, someone else's data center was being used and we weren't sure Phil would have permission to use it as well.

Sensing no way to get around the port forward restriction, an announcement came during the Fusion forum at Dayton that (we hope) will solve Phil's problem. Yaesu is going to release an update in the coming months that will allow the FT2DR, FTM-100D, as well as the FTM-400XD to operate as a portable node. With additional cables, these radios would connect directly to a computer for Wires-X operation without the need of an HRI-200. This was created specifically for mobile setups and users who don't have the ability to forward the necessary ports (like in a hotel). Ding, ding, ding, we have a winner!



A couple caveats: purchase of an HRI-200 is still required. To use the portable node, you still need to register on the Wires-X system which requires a serial number from an HRI-200. The portable setup will not have 'all of the features' of the traditional setup such as hosting a Room (round table-type node) or messaging. Purchase of two cables is required to make the necessary connections: an SCU-19 USB and CT-44 audio cable. It wasn't clear if both are needed for the 100/400 radios. There are no plans "at this time" to integrate any other Fusion radio other than the three listed above.

It would have been nice to have a heads-up about this new option before we spent time researching a solution. I think this will solve Phil's problem and get him mobile with Wires-X. [Announcement from the Fusion form, Dayton Hamvention 2018.](#)



Speaking of digital hotspots, my favorite has been discontinued: the openSPOT. Saw it disappeared from dealer sites just after Dayton. June 8th it was removed from the SharkRF website with an announcement that a new product was going to be introduced soon. What could it be??! If you need a digital hotspot device today, I really like the ZUMSpot with the Pi-Star software. I picked up one with a case at Dayton. More info in future articles.

The next big ham holiday, Field Day, is right around the corner. Get out and join your club or find a club to join if you're not a member of one. It's a great time to bring friends and get them excited about ham radio. Hams that come out get bitten by the bug to expand their station or learn a new mode. Check the [Field Day Locator](#) for operations taking place near you. Sending 10 messages over RF from your site gets you 100 points – including Winlink messages. I love to receive messages about your setup, stations operating, or social activities taking place.

These can be sent via the National Traffic System (NTS) or Winlink – K8JTK at Winlink.org – to my station. [Winlink post about Field Day points.](#)

With July around the corner, two of my favorite events will be kicking-off soon. The [13 Colonies Special Event](#) is coming up July 1 – 7, along with the [RAC Canada Day Contest](#) on July 1st only.

Thanks for reading and 73... de Jeff - K8JTK

[TOP^](#)

From the Section Emergency Coordinator

Stan Broadway, N8BHL - SEC

broadways@standi.com

When it gets ~real~.

I have worked on the FEMA Region V “Auxcomm workgroup” for several years helping to represent Ohio interest in the multi-state area. We have a great working relationship with hams in our neighboring states. As my schedule permitted, I was able to sit in on the three-day intensified Auxcomm class staged prior to the Hamvention. Our three instructors were excellent, and perhaps the high point for me was that Puerto Rico’s Section Manager Oscar Resto, KP4RF, was another student in the class. His insight and detailed report on what ~really~ happened was of great interest, not only to me as SEC but as a Control Operator for the Hurricane Watch Net. We talked with Oscar and with Virgin Island SM Fred Kleber, K9VV (also at Hamvention), during the hurricane events. Their stories, as well as the report from George Riedel, N1EZZ at the Ohio ARES Conference, were galvanizing motivation to stay ready at all times! Oscar discussed how 131 hams in PR were the COMPLETE communications provision for six weeks (at least) following the storm. Could we be up to that kind of challenge? 4



← Fred Kleber, K9VV (left) and Oscar Resto, KP4RF

Get ready to hear that title, “Auxcomm”, more frequently. Perhaps because of a history of turf-fights and personalities among the various volunteer communication groups (ARES, RACES, MARS, CB, etc.) the move now is to consolidate all into one larger body.

This makes sense to me, since our goals are the same: serve our communities when we're needed. This will also help to standardize training across all platforms. The importance of reliable communication has always been understood, yet over and over the number one problem in large-scale exercises and disasters is the inability to communicate. If you remember your NIMS, we in amateur radio currently fit under several layers as a 'resource'.

There's a move underway (revisions are pending—but we have to remember we're working at govvmint speed) that would place communications in its own segment, right up there with Operations and the other big players. I haven't heard anyone who objects to this, so it'll be a matter of time when we see if that is actually invoked. It, of course, changes the core of how ICS and NIMS are structured. I hope they see the wisdom and move this through rapidly.

We're moving forward with the ARRL's volunteer management system, as one of the four BETA test sections. We have been able to raise some questions and help streamline the system. Our Ohio county organizations should be in the system now, and we'll be getting word out to our county EC's to register. You will be able to follow a format in Excel to enter your members in bulk to get started. More instructions will be available.

I hope you stay active this summer! What will kill us off is lethargy! I do value your years of service, but we MUST stay alert, stay trained, and most of all stay active if we are to continue to serve our communities properly!! Get out and participate in your local activities – it's fun, it's a service, and it's practice.

73, Stan, N8BHL

You can view all of the SEC's monthly reports on the website.. <http://arrl-ohio.org/SEC/default.html>

[TOP ^](#)

From the Affiliated Club Coordinator

Tom Sly, WB8LCD - ACC

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Have you all sent out a press release to the local papers about Field Day yet? Here's what I wrote and sent out for the PCARS Field Day:

Amateur Radio "Field Day" June 23-24, 2018

Members of the Portage County Amateur Radio Service (PCARS) will be participating in the national Amateur Radio Field Day exercise, June 23-24 at Freedom Township Park, located at the intersection of SR700 and Streeter Rd., about 2 miles north of SR303 in Freedom Township. Since 1933 Ham radio operators across North America have established temporary ham radio stations in public locations during Field Day to showcase the science and skill of Amateur Radio. This event is open to the public and all are encouraged to attend.



For over 100 years, Amateur Radio – sometimes called ham radio – has allowed people from all walks of life to experiment with electronics and communications techniques, as well as provide a public service to their communities during times of disaster, all without needing a cellphone or the Internet. Field Day demonstrates ham radio's ability to work reliably under any conditions from almost any location and create an independent communications network. Over 35,000 people from thousands of locations participated in Field Day in 2017.



PCARS members will have 5 separate stations in operation from noon on Saturday until 2:00PM on Sunday. All stations will be interconnected with a “Mesh Network” which is a local “internet” run on our own equipment. Stations will be communicating with other stations across North America using morse code, voice and digital transmission techniques. “We invite everyone in the Portage County area to stop by and see how the amateur radio operators in your community are preparing to assist if disaster strikes” said Jim Wilson, President of PCARS, whose amateur radio callsign is AC8NT.

Anyone may become a licensed Amateur Radio operator. In today's electronic do-it-yourself (DIY) environment, ham radio remains one of the best ways for people to learn about electronics, physics, meteorology, and numerous other scientific disciplines. There are over 750,000 licensed hams in the United States, as young as 5 and as old as 100. With clubs like PCARS it's easy for anybody to get involved right here in Portage County. There will be an Amateur Radio testing session available at the Field Day site on Saturday at 4:00PM.

For more information about Field Day, contact Jim Wilson – AC8NT at jawilson@j3solutions.com . You can also visit www.arrl.org/what-is-ham-radio .

Feel Free to plagiarize, just change the details enough to make it accurate for your Field Day operation. As I said before, don't be afraid to send your press release to anyone who has the ability to get it out there. That's their job, and they look better when you get information into their hands that they can use. I always send the actual release via email as an attachment in both a .txt and .doc file format. In the email I tell them who I am, the group doing the activity along with my phone number and email address so they can contact me with any questions they may have. I will also include an invitation for one of their reporters or photographers to come out to our site and see our operation first hand.

There is also a pre-written Press Release that you can use on the Ohio Section Website: http://arrl-ohio.org/FD_Press_Release.html and don't forget to print out the Governor's Proclamation and display it at your Field Day site!

How many of you are familiar with an “after action report?” If you do one, it shouldn't take too much editing to turn it into an after-action press release – your second opportunity to get favorable press for your local club and ham radio in general. For this release you will want to include photos of all the fun and activities that took place

Take pictures that show people (from the front as much as possible – you want to get their face in there!) involved in the activities that are important for FD. Setting up the stations and the antennas, preparing and having a group meal, making contacts, using morse code, using satellites, having FUN! With every photo you include in your after-action press release, make sure you include a caption which identifies the people and the activity taking place. Remember, make your photos interesting.

You might even want to consider “Staging” some photos so you get good shots without interfering with the actual FD operation.

So, here’s my challenge to you: Send me a copy of any FD article you get published. Pre-FD announcements as well as after action releases. The whole point is for the end of June and July, let’s see if we can saturate the Ohio press with amateur radio related articles and stories! That would be worthy of a QST story praising the efforts of the Ohio Section to expose the public to Amateur Radio, which is also one of the purposes of the FD exercise. It would be a WIN/WIN/WIN for all of us.

By the way, don’t forget that local Radio and TV could be interested in what we are doing too. Are there other “social clubs or fraternities” in your community? If they have a monthly newsletter for their members, they may be interested in a short story of what others in the community are involved with. The goal is to get Amateur Radio out into the public view by whatever means works for us.

Lots of other activities are newsworthy too and should have a press release written and submitted about them. Let’s start with anything that ends in “THON” - marathon, bikeathon, walkathon, whateverathon..... If your group provides backup communications or other service for them, get it written up and submitted to all the same venues! Other activities such as participating in OSPOTA, putting on a special event station and even just an interesting or special club meeting; send it in! The very worst thing that could happen is they don’t use it. But, if they see enough submissions, they just might start to take notice.

Changing the subject. I know how busy it has been so far this year. But, you are still responsible for getting onto the ARRL website and making sure your club info is up to date! And what about your Special Service Club renewal forms? Get those to me or Scott so we can make sure you don’t lose that status for your club.

That’s it for now, 73, hope to hear you on the air.

Tom WB8LCD

From the Public Information Coordinator

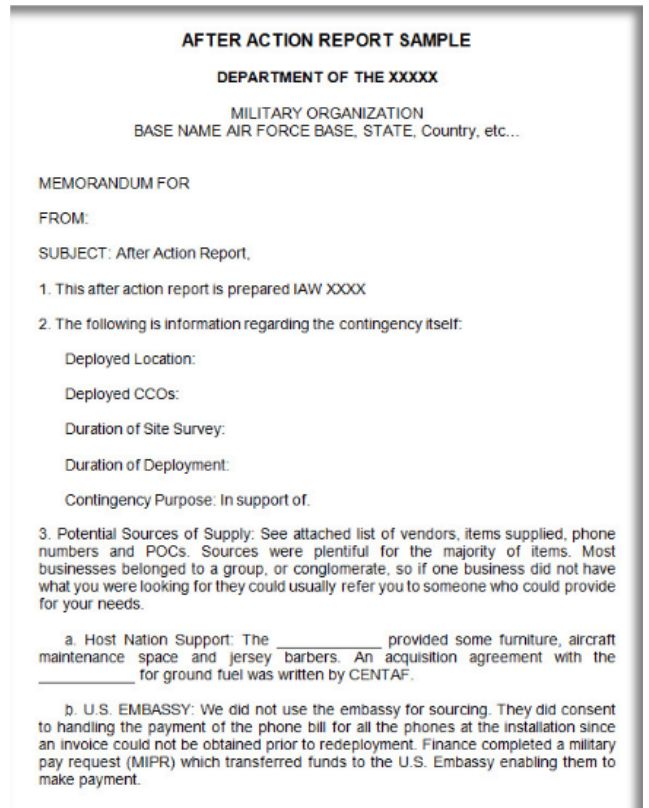
John Ross, KD8IDJ - PIC

john.ross3@worldnet.att.net

THE MONTH’S CHECKLIST

Our Section Manager Scott Yonally

- Newsletter Contest – Final Call
- CORC Club Award
- Field Day



- CORC Club Award
- Field Day
- Hambumper

OHIO SECTION MANAGER RE-ELECTED



Our Section Manger, N8SY Scott Yonally has been “unanimously re-elected” for another two year term! CONGRATULATIONS! He got the official call last week form ARRL HQ.

Scott is what makes this section great and he’s the hardest working ham and section manager I know. For everything we see and hear Scott do you can bet he is also doing a hundred other projects as well...all for us.

So, fire up the radio, landline, cell, email or snail mail and shoot him a message. The next time you see him shake his hand and pat him on the back...a continued job well done!

Thanks Scott for the hard work.

FINAL CALL

Final call for the 2018 Ohio Section Newsletter contest! All entries are due June 30th...midnight...and, I’ll be up watching the mail!



I’ve got a ton of newsletters so far but there still is time to enter. Just remember you’ll need two DIFFERENT copies of your newsletters or the link to two different electronic newsletters.

The judges will get together right after the July 4th holiday to begin the task of selecting the winners.

The awards will be presented at the Voice of Aladdin Columbus Hamfest on August 4rd.

Good Luck...and remember, EVERYONE is a winner! Thanks for all you do for your clubs.

CENTRAL OHIO RADIO CLUB AWARD

The Central Ohio Radio Club (CORC) was presented a great award last week...the National Weather Service Weather-Ready Nation Ambassador Award.

The Weather-Ready Nation Ambassador initiative is the National Oceanic and Atmospheric Administration’s (NOAA) effort to formally recognize NOAA partners who are improving the nation’s readiness, responsiveness and overall resilience against extreme weather, water and climate events, according to the National Weather Service’s website.

I’m a little biased because CORC is my club here in Columbus but these are a talented group of hams who are at the ready anytime the weather tuns bad. When the skies turn dark they light up the repeater and help NOAA and the local TV stations with all important spotter reports.

CONGRATULATIONS to CORC...a well-deserved recognition.

2018 FIELD DAY



One of the best activities we do is Field Day...and it's right around the corner...June 23-24. In fact, this year I've heard of more state and county agencies offering their locations for us to set get on the air. It's great!!!

Here in central Ohio the Franklin County Emergency Management and Homeland Security Agency is offering their site for Field Day hams. Just about any "field" will do and the whole point is to work outside of normal shack environment and make contacts however we can. It's keeps us sharp and ready for any emergency situation. It's also a great PR activity...hams showing what they do and how they do it. So, invite your friends, family and would-be hams to your field day and help make Amateur Radio Proud.

HAMBUMPER

I just made up this section up on the way home tonight after a couple of ham radio bumper stickers caught my eye.

The first was for the Weather Watch group here in central Ohio. A nice big red sticker with the repeater frequency. The second was just a simple sticker with the driver's callsign and a single line that read "Listening on 146.52".

I've a seen a million cars with various forms of antennae and wondered how to get ahold of them...a simple bumper sticker sure would help!

So, if you can find a way, put your best-read side forward and slap on a HAMBUMPER sticker! It's more effective than yelling out the window!!

That's it for this month...have a great field day and July 4th holiday.... see you in July!

73, John, KD8IDJ

[TOP ^](#)

From the Section Traffic Manager

David Maynard, WA3EZN – STM

wa3ezn@att.net

Ham lives matters!

Now that Dayton has come and gone for the year it is time to begin thinking about the next big Ham Radio event, field day. If you are going into the field and away from commercial power for this event it is now time to check out the generator and review its use.

Your safety matters! Safety should be your number one priority.





I am sure that owning an electrical generator must be appealing to anyone who plans on being prepared for emergencies or part of an emergency response team. To us being able to generate electricity means we will be able to remain on the air for field day, during blackouts or at the scene of any emergency or disaster. But are we thinking about safety when we set up and use the generators.

As we prepare for Field Day here are some basics regarding generators. But the first thing to do is Read the Instruction Booklet or Manual that came with the generator. If the manual is lost or missing, contact the generator's manufacturer for another manual.

The correct way to use a generator is to connect a heavy-duty, outdoor-rated power cord to the generator. Radios and appliances can then be connected to the power cord. Make sure that the outdoor-rated power cord has a sufficient wire gauge to handle the electrical load.

Extension cords on wet ground are a shock hazard, as is operating a generator with wet hands or when you are wet. It is always a shame to lose good people to preventable accidents so don't take chances.

Don't overload the generator. All generators have a power rating. They should be used only when necessary and only to power a limited number of appliances or equipment. The total wattage used by the appliances should be less than the output rating of the generator. If you put too many appliances on the generator, it could seriously damage the appliances, radios and electronics. Overloading the generator could also cause fires in the overheated power cord. A generator should be sized to handle twice the expected load.



While each type of generator has safety issues they all have certain things in common. One thing most generators have in common is that the electricity generated needs to be conducted through wires to receptacles and radios.

On field day it is more likely that the generator will be exposed to layman not used to working with generators and long extension cords. Consequently, they can be exposed or involved in trips and falls over the electrical extension cords. Animals, children or adults who behave like children in the same space as your generator or wiring can quickly make a bad situation worse and you must be prepared for this in your plans.

Fuel and fire safety is a must with a fire extinguisher and fuel storage a safe distance from the generator. The area should be mowed at least for a 20-foot diameter. Fuel must be stored in a separate area as well as the fire extinguisher in an accessible convenient place away from the generator area. **NEVER REFUEL A GENERATOR WHEN IT IS RUNNING.**



Most generators produce heat. This can be a resource or a liability depending on how you manage it. You could cook on the exhaust manifold it is so hot or the same could become an ignition source for leaking fuel or nearby combustibles.

Care must be taken to prevent burns to anyone in the area and also to prevent a fire while refueling the generator. It would be advisable to have an inspected fire extinguisher on hand just in case a fire would start.

With your generator muffler heat you are looking at 500 to 600 deg C and it could be higher if you have to little airflow through the generator area, 800 to 900 deg C especially if the generator is loaded up. As a reminder water will boil at 212 deg C.



Another danger with generator operations is Carbon Monoxide (CO). I encourage you to practice proper poison prevention safety by learning the signs of carbon monoxide poisoning. An odorless, tasteless, gas that can be a by-product of the combustion of just about any fuel, Carbon Monoxide is poisonous if it is not vented properly and if allowed to accumulate without sufficient oxygen in a confined area like a tent.

Do you know the symptoms of CO poisoning? Symptoms in people include headache, dizziness, nausea, vomiting, irregular breathing, feeling tired or ill in a confined area like a tent or building and finally loss of consciousness and respiratory failure. A generator should never be used indoors or in a confined area.

The surest way to know if there is carbon monoxide in the area is to use a Carbon Monoxide detector. If you smell exhaust fumes or suspect CO poisoning leave the building or area immediately, get to fresh air and call 911 for assistance.



Grounding is a difficult issue when using generators. For single-generator operation, powering a couple of station locations, there may not be any benefit in grounding. Making sure your generator has a good earth ground may help to avoid electrical shocks. Check the generator owner's manual for correct grounding information.

← This picture shows how not to ground the generator.

Other considerations are placement for access, noise abatement, distribution of the feed cables and grounding if necessary.

Grounding the antenna feed for lightning is a much more sensible option with the possible cessation of operation during storms. That means disconnecting and sitting inside the car. With large distribution systems, grounding of the generator is best with at least an 8-foot ground rod and standard NEC procedures must be followed.

GFI systems generally don't perform well in field operations due to long feed runs and ground loops with the various end locations. If your generator has a GFI you may have Ground Fault issues.

Many small generator units are the inverter type and although efficient and light they can create a large amount of inverter hash that raises your HF noise floor to an unacceptable level. A brushless generator is best.

FINAL TIPS BUT WORTH REPEATING

Many generator parts are hot enough to burn you during operation. Stay away from the muffler and other hot areas. Keep children away from portable electric generators and their electrical and fuel connections at all times. Read the instruction booklet or owner's manual that came with the generator. Also check the generator owner's manual for correct grounding information.

Additional Resources on Generators:

<http://www.arrl.org/files/file/QST%20Binaries/QS0608Kleinschmidt.pdf>

<http://www.popularmechanics.com/home/how-to/a3603/how-to-buy-a-backup-generator/>

<http://www.arrl.org/electrical-safety>

https://www.osha.gov/OshDoc/data_Hurricane_Facts/grounding_port_generator.pdf

<http://www.arrl.org/files/file/Technology/tis/info/pdf/Lab%20NotesFieldDay.pdf>

<http://www.hamuniverse.com/emergencygenerators.html>

A few words about Field Day. Field Day 2018 will be held June 23-24. Field Day is always the fourth full weekend, beginning at 1800 UTC Saturday and ending at 1800 UTC Sunday. Complete Field Day Rules can be found at:



<http://www.arrl.org/files/file/Field-Day/2018/2018-Field-Day-Rules.pdf>

The object of Field Day is to work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and in doing so to learn to operate in abnormal situations in less than optimal conditions. For **2018 Field Day** the standard event exchange of Field Day **Class** and **Section** are still what is sent over the air.

All stations are eligible for certain bonus points, depending on their entry class.

A radiogram message to the Section Manager will earn 100 bonus points for origination of a formal message to the ARRL Section Manager or Section Emergency Coordinator by your group from its site. You should include the club name, number of participants, Field Day location, and number of ARES operators involved with your station. The message must be transmitted during the Field Day period and a copy of it must be included in your submission in standard ARRL radiogram format or no credit will be given. The message must leave or enter the Field Day operation via amateur radio RF.

Your Ohio Section Manager is: Scott Yonally, N8SY
 Your Ohio Section Emergency Coordinator is: Stan Broadway, N8BHL

Each entrant can claim 10 bonus points for each formal message originated, relayed or received and delivered during the Field Day period, up to a maximum of 100 points (ten messages). Copies of each message must be included with the Field Day report. Available to all Classes. All messages claimed for bonus points must leave or enter the Field Day operation via amateur radio RF. The Section Manager message is separate from these bonus points messages and may not be claimed for bonus points under the rule.

Mike, KC8WH the Net Manager for the OSSBN has asked members of the OSSBN to listening throughout Field Day, so if you can't get messages passed during OSSBN normal net times, you'll be able to do it during off times instead. This will help you and them in being able to get your message through in a timely manner. The OSSBN normal net start times are 10:30 AM, 4:15 PM and 6:45 PM on 3972.5.

Make sure that your Radiogram which you generate has the date and time filled in the message. This way no matter how late it may be in getting to the end destination, you'll still be able to count it since it was originally generated and passed DURING Field Day. If you're not sure of who the Section Cabinet Members are, you can click here for the list → <http://www.arrl-ohio.org/sm/cabinet.html>

SAMPLE RADIOGRAMS:

101 R KE8XXX 22 SOMEWHERE OH 1420 JUN 24
 SCOTT YONALLY N8SY
 ARRL OHIO SECTION MGR
 258 VALLEY HI DRIVE
 LEXINGTON, OH 44904
 #### ##

BT
 BIG VALLEY RADIO CLUB OPERATING
 2A AT PRICKLY PEAR PARK
 XRAY FIVE VISITORS AND TEN
 MEMBERS INCLUDING SEVEN ARES MEMBERS
 XRAY 73

BT
 FRIENDLY HAM KD8XXX
 PRESIDENT
 BIG VALLEY RADIO CLUB
 14 R HXG KE8XXX 8 SOMEWHERE OH JUN 24
 BT

Stan Broadway N8BHL
 3677 Peel Road
 Radnor, OH 43066
 #### ##

BT
 HAVING A GREAT TIME AT
 FIELD DAY 73

THE AMERICAN RADIO RELAY LEAGUE									
RADIOGRAM									
VIA AMATEUR RADIO									
NUMBER	PRECEDENCE	HR	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE		
1	R	G	K4IWM	12	CARY NC		DEC 20		
TO					THIS RADIO MESSAGE WAS RECEIVED AT				
JOHN Q PUBLIC					AMATEUR STATION _____ PHONE _____				
1234 MAPLE AVE					NAME _____				
ANYTOWN NC 27000					STREET ADDRESS _____				
					CITY AND STATE _____				
TELEPHONE NUMBER 919 555 1234									
ARRIVE		7PM		DEC		24		X	
LOOKING		FORWARD		TO		SEEING		YOU	
X		LOVE							
BETTY M PUBLIC									
REC'D	FROM	DATE	TIME	SENT	TO	DATE	TIME		
<small>THIS MESSAGE WAS RECEIVED BY THE AMERICAN RADIO RELAY LEAGUE, INC. ON BEHALF OF THE NATIONAL SOCIETY OF EXPERIMENTAL EMERGENCY COMMUNICATIONS. THE AMERICAN RADIO RELAY LEAGUE, INC. IS THE NATIONAL ORGANIZATION OF AMATEUR RADIO OPERATORS. THE NATIONAL SOCIETY OF EXPERIMENTAL EMERGENCY COMMUNICATIONS IS A NON-PROFIT ORGANIZATION. THE AMERICAN RADIO RELAY LEAGUE, INC. IS NOT RESPONSIBLE FOR THE CONTENTS OF THIS MESSAGE. THE AMERICAN RADIO RELAY LEAGUE, INC. IS NOT RESPONSIBLE FOR THE CONTENTS OF THIS MESSAGE. THE AMERICAN RADIO RELAY LEAGUE, INC. IS NOT RESPONSIBLE FOR THE CONTENTS OF THIS MESSAGE.</small>									

BT
FRIENDLY HAM KD8XXX

Have fun and have a safe Field Day.

73, David, WA3EZN

You can view the STM's monthly report on the website.. <http://arrl-ohio.org/stm/stm.html>

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Out and About

Lyn Alfman, N8IMW - ASM
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Since my last report, I attended three amateur radio meals and two club meetings. I finished editing and sent out the *CARA Communicator*.

The Cambridge Amateur Radio Association, the Marietta Amateur Radio, the Southern Ohio Amateur Radio Association, the Portsmouth Amateur Radio Club, and the Highland Amateur Radio Association plan on activating a covered bridge for “Covered Bridge Day” on August 18. Hopefully, other clubs will join in on the fun.

Field Day (June 23-24) is rapidly approaching. Hopefully, you will participate in this year's event. Please place your Field Day location on the ARRL Field Day Locator. As PIO for the Cambridge Amateur Radio Association, I have been extremely busy preparing the check off lists for the station set ups, operator/logging schedules, list of food and beverage items needed, the invitations for elected officials and served agencies, the brochures for the information table, the media information packets, and placing our club on the ARRL Field Day locator. I am currently working on an article for the local newspaper. I have already placed the information about our Field Day exercise on the local newspaper and radio stations' web sites.

As a member of a Field Day Committee, you will also need to help check out the antennas, the radio station equipment, and the generator to make sure everything is in working order for the big event. The 2018 ARRL Field Day package including rules and bonus points is available for download on the ARRL Website.

Be careful and have fun, but above all remember to be “Radio Active!”

'73 de Lyn

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From the Educational Outreach – ASM

Anthony Luscre, K8ZT

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Education & Student Outreach at Field Day

The upcoming ARRL Field Day is a great opportunity for Education and Student Outreach. In fact the rules provide a variety of bonus point opportunities your club can earn through this outreach. In addition to bonus points, the Get-On-The-Air (GOTA) Station option can provide a means to easily involve students in the actual on-air operation-- "... Non-licensed persons may participate under the direct supervision of an appropriate control operator." Here are links for [full rules for Field Day](#) and the [GOTA FAQ](#).



Education & Student Outreach Bonus Point Opportunities:

- **7.3.4. Public Information Table:** ... the purpose is to make appropriate handouts and information available to the visiting public at the site.
 - The ARRL can provide a number of [printed brochures](#) that make up part of these handouts.
 - Your club's own informational brochure(s), if you do not already have one now is a good time to develop one or maybe even more than one with specific focuses.
 - A handout directing students and educators to my [Kids Radio Zone](#) and [Teacher Radio Zone](#) web pages.
 - ICOM's excellent Comic Book series "Zack & Max" are great handouts for kids. To avoid costs and wasted paper, I would suggest a link to the electronic versions which I have hosted on my website- www.ztlearn.com/z-m-1.
 - To save you time I have created a simple one-page handout with links to my Kids Radio Zone, Zack & Max Comic Books and other radio resources- [handout-for-students.pdf](#) or if you are interested in a slightly larger handout one with the links page, phonetic alphabet, Morse code chart, intro to radio, radio spectrum, Amateur Radio Bands, etc. here is the [multi-handout-for-students.pdf](#). In both case please feel free to add information for your local club including contact information, upcoming classes, website address, Facebook info, etc.
 - If you have the capability, consider a video aspect to your display table not just paper. You could use a computer display, a large format flat screen TV or an LCD projector.

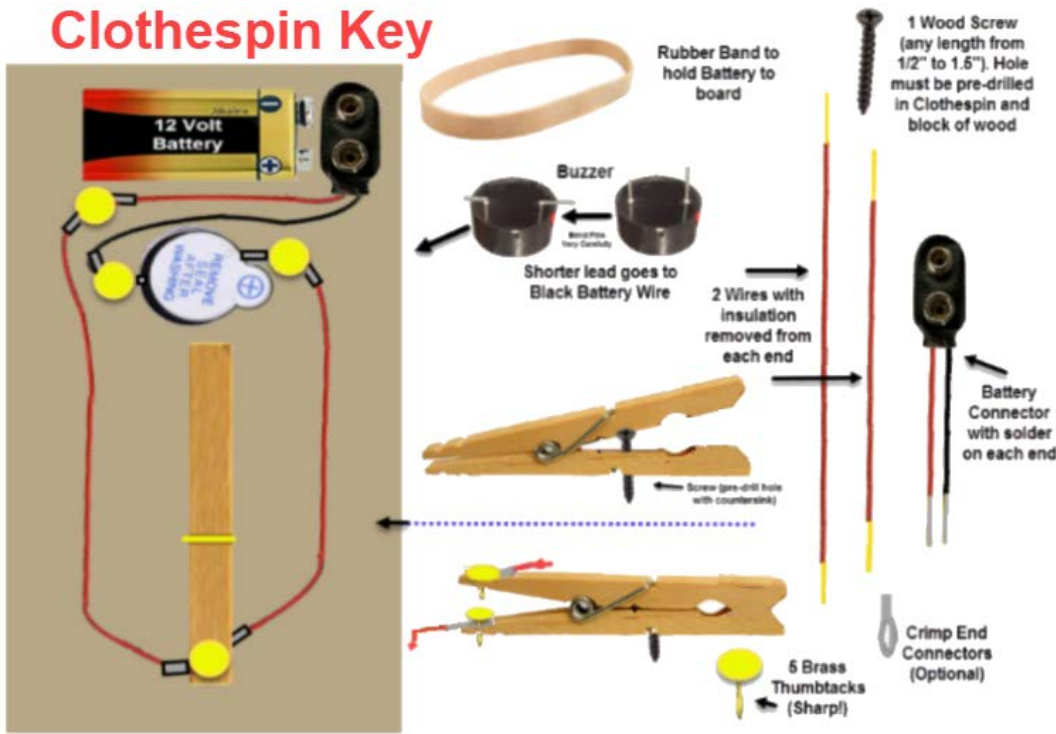
You can use the QR codes with your phone or table to go to the resources

	All seven Zak & Max Books can be found in both Color and Black & White at http://www.ztlearn.com/z-m-1	
	Collection of Wide Variety of Radio Resources www.ztlearn.com/radio-kids	
	Do It Yourself & Maker Resources www.ztlearn.com/diy-maker	
	Basics of Radio https://electronics.howstuffworks.com/radio.htm	
	An online radio you can tune & listen to from Europe http://websdr.ewi.utwente.nl:8901	
	A free online course to get Amateur Radio License www.hamwhisperer.com/p/ham-courses.html	
	Send Morse Code with an on-screen key or by typing (requires Flash)	
	Amateur Radio Resources www.k8zt.com	
	Maps & Social Studies www.ztlearn.com/social-studies	

- There are a number of ARRL [promotional videos](#) and Youtube videos that work well.
- Create your own videos or slide presentations.

● **7.3.10. Educational activity bonus:** ...if your Field Day operation includes a specific educational-related activity. The activity can be diverse and must be related to amateur radio. It must be some type of formal activity... For more information consult the [Education FAQ](#) in the complete Field Day packet.

- A fun educational activity is to build a Clothespin Morse Key and then teach basic Morse code characters. I have a [complete set of plans to build](#) this inexpensive fun activity.



- **7.3.16 Social Media:** ... promoting your Field Day activation to the general public via an active, recognized and utilized social media platform (Facebook, Twitter, Instagram, etc). ... groups that welcome visitors to their operation
- The traditional invitation to visit your Field Day site in the local newspaper definitely will not reach youngsters. So utilizing social media is the way to go.
- Don't forget that this is not just a pre-event

invitation activity but should be a continuous activity with updates throughout the entire weekend.

Another idea to pursue at your Field Day Site for visitors is the use of QR codes that can easily direct visitors to more information on any aspect of the operation via their cell phones. This approach can be used on your information table to limit need and mess of paper, at individual stations, on towers, antennas, generators and other components of your stations. It is easy to create short, easy to remember URLs and QR codes with tiny.cc.

I hope to work you all during FD. I will be active as K8ZT 2B DE and please remember to send me pictures and descriptions of your student activities at your 2018 Field Day.

73,

Anthony, K8ZT

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From the State Government Liaison

Bob Winston W2THU – SGL

w2thu@arrl.net

Scott reminded me that it has been quite some time since I wrote a column for our Journal and he is right. As a reminder, my job is to monitor any legislation, whether it be local or statewide, that could affect our great hobby. Since appointed in November 2016, I have learned of only two proposals that appeared to be problematic.

The first is HB 95, introduced into the Ohio legislature in February 2017, entitled “Enhance (sic) Penalty for Moving Violations While Distracted.” If passed and signed into law, this bill would authorize an additional monetary fine for practically every moving violation, if the driver was using a handheld electronic wireless communications device to write, send, or read text-based communication. In my opinion, this bill does not apply to, nor was it intended to apply to, mobile amateur radio communication. It is directed towards texting. The status of HB 95 is that it passed the House in June 2017 and was reported out of committee in the Senate in October 2017. By the way, the so-called enhanced penalty is a \$100 fine in addition to the normal fine and court costs. It seems to me that anybody fool enough to text while driving is not going to be dissuaded by another \$100 out of their pocket. (Thanks to Bruce E. Mc Kim, N7XGR of Cambridge for reporting this bill to Scott and me.)

The second is a proposed amendment to the Ohio Constitution called the “Ohio Community Rights Amendment.” This amendment stems from a growing Community Rights movement across the US that feels that corporations which pollute our environment are supported by state and federal government laws and regulations. The amendment calls for the right of the people to enact local laws that protect health, safety and welfare and further, that these laws not be subject to preemption or nullification by federal or state law.

Although this amendment is clearly not aimed at amateur radio, its wording suggests a possible ground for attacking both the federal and state PRB-1 by arguing that antenna support structures are somehow detrimental to health, safety and welfare of the local community and should, therefore, be preempted. I have no information that this amendment will be on the Ohio state ballot in November. (Thanks to John Levo, W8KIW of Hillsboro for bringing this to our attention.)

I will continue to monitor the progress of the above, and welcome any information that you can relay to me about this or any other relevant legislation.

On another note, last September I was invited to speak at a general meeting of the Dayton Amateur Radio Association. They asked for a program on the Amateur Radio Parity Act. I was truly honored by this request from the very group that has been sponsoring the Dayton Hamvention since 1952. Over the years, I have been on the ham radio talk circuit, usually giving programs on ham radio and the law, to various amateur radio clubs throughout northeast Ohio. I was advised that the DARA meetings run about 150 members, much larger than the attendance of the typical club.

The talk went well, followed by many questions. After the meeting I was treated to dinner at a very nice restaurant and DARA even offered to reimburse my travel costs and lodging! Thanks again to a fine bunch of ham radio operators for their invitation and hospitality.



Finally, I have a few comments about the 2018 Hamvention in Xenia. I have been attending this event every year since 1982. The transition to the Greene County Fairgrounds was expertly done. Everything is newer, cleaner and as so many have said, the food choices are vastly better than HARA.

However, I do miss the flow of all those building that were interconnected at HARA. They seemed to provide endless space for exhibitors, whereas the separate buildings at the Xenia Fairgrounds break things up a bit. (Maybe, it's just nostalgia.) While visiting our Ohio Section booth, I had the pleasure of meeting the Puerto Rican SM, Oscar Resto, KP4RF, who was very interesting to talk to.

Best 73, **Bob, W2THU**

ARES Training Update

Jim Yoder, W8ERW – ARES Data Manager

w8erw@arrl.net

ARES Training Update

Another busy month has passed. It seems that the job jar, the chores list and my Amateur Radio interests are all in competition for a larger slice of my time. While they are busily arguing the merits of why I should do one or the other, I'll tell you a few interesting tidbits about our ARES training.

We now have 915 active ARES members in the training database.

As of today, 706 have completed NIMS training, ICS-100, 200, 700 and 800. More than 50 have also completed the additional ICS-300 and 400 courses.

We also have one member who has completed all of the recommended training and many more who have completed additional levels beyond the 4 NIMS courses. Over all, the ARES training database now has logged 6,608 classes.



As many of you may have already heard, ARES will be undergoing some changes, including additional requirements for training at different levels of participation. The final recommendation will be presented for approval soon. Along the way the committee responsible has solicited input from both our served agencies and active ARES organizations including our own Ohio Section. Every effort has been made to insure these changes address the needs of our serving agencies and are meaningful to our ARES volunteers.

It has been said, but I want to take another opportunity to be clear with each of you. Yes, ARES must evolve to remain relevant and responsive to those organizations that we serve. No, we are not purging members. Yes we are encouraging all ARES members to take the training being offered. These upcoming changes will insure that we as ARES volunteers serving our communities will have the training necessary to perform our work safely and in a beneficial manner.

Field Day preparations are underway all over the country I am sure. Locally, we are lining up our logging process and of course, the edibles are always at the top of any Field Day to do list. We will exercise our MESH network again to collect logging data on all three stations for the Seneca Radio Club, W8ID effort.

The MESH should also give us access to the internet this year at our Field Day site allowing for some experimentation with VOIP and remote monitoring of our logging statistics. We've also lined up a couple of local dignitaries to visit us and hopefully the media will be present as well.

Let's all enjoy Field Day this year. It is a great time to get together, practice our craft, make things work that really should not and have fun making contacts that are often with old friends and acquaintances. After Field Day, we can return to ARES training and get the Ball kicked over the goal.

I want to thank you again for embracing NIMS training and the effort given to support ARES throughout the Ohio Section. All of this does not go unnoticed and Ohio is making a fine showing. Thank you again for your dedication.

All of your Ohio Section Officials are here to serve you. Please feel free to contact any one of us with your questions or concerns.

Thanks again,

73, **Jim, W8ERW**

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From the Official Observer Coordinator

John Perone, W8RXX - OOC

w8rxx@arrl.net

The Ohio OO's monitored a total of 814 hours in May.

Only 1 OO card was sent.

The recipient of the OO card responded with a very nice "thank you" for letting them know of their key chirp. They also send a picture of their vintage rig they were using and advising that they would correct the problem.



This is the way the OO program works for the benefit of all. The OO's give notice, and often offer suggestions on how to correct an issue before the FCC steps in.

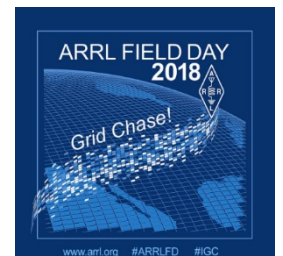
73, **John, W8RXX**

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Field Day 2018 and Winlink

(from Bryan Hoffman, KC8EGV EC - Hamilton County)

Once again, the Winlink community is sharing contact information in order to pass Radiograms for bonus points. We've created a google form for you and/or your group to share contact information in order to receive messages. The data that is collected is compiled into a shared Google Sheet linked below.



The purpose is to give Field Day participants an alternative way to send Radiograms without having to check into a local or regional traffic net. This opens up more time for operators who do not have Winlink capability and frees up NTS nets and circuits.

In order to get credit for the messages, they need to be sent via RF from the Field Day site - NO TELNET MODE!

Sign Up Here:

<https://goo.gl/forms/V5IdWQ2haRB4SJFA3>



Contact List Is Here

https://docs.google.com/spreadsheets/d/1BkNbTsw5ydAu5YccnMupYgwLc_20E_KfcLQtev_JzaQ/edit?usp=sharing

A few pointers:

- Do not send the same message to multiple recipients at the same time. In keeping in the spirit of the bonus points, a custom message should be sent to each individual contact.
- Limit the number of messages sent to the required minimum of ten (10). Don't SPAM the list.
- Turn OFF the request receipt requested to minimize RF traffic.
- Be sure to update the RMS Express software and templates to the most recent version before sending messages.
- Use the built in Radiogram template to send your message.
- DO NOT attach a file to the message.
- If you are not using RMS Express, send the message, in plain text, in the body of the message, using the standard Radiogram format.
- This is a good task for the 6M/VHF/UHF station to accomplish if there are local gateways near your site. If not, have your club set one up :)

Don't forget to send a message to the Section Manager and Section Emergency Coordinator!

My most important tip: Have FUN and enjoy the challenge!

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One Question Questionnaire

There's another NEW – one question – questionnaire on the Ohio Section Website!
<http://arrlohio.org>

Wow.. I was really surprised to see that only about 20% of you were on a digital net this past month! I would have thought that the number would have been much higher since we do get such a great turn-out on the weekly DMR Net.



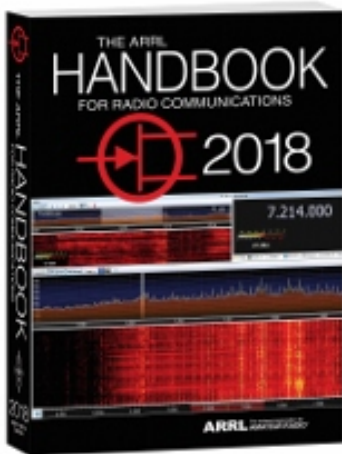
Now, on to the next question that's on my mind. Let's see how you answer this...

“Would you share your Weather Underground ID so that we could establish a database with all the weather stations all over Ohio?”

The survey will only take 2 seconds for you to answer it, and you can see how your answer stacks up with others instantly. If you haven't done it yet, please do. I really want to hear from you. Hey... If you've got a question that you'd like to see on our questionnaire, please send it to me!

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The Handbook Give Away

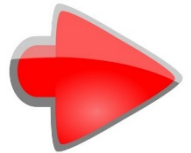


Hey Gang,

Have you registered for the “Handbook Giveaway” drawing for this month yet? If you haven't, go to: <http://arrl-ohio.org/handbook.html> and get registered. You never know, you just may be the next winner!

What's the catch? I want to get everyone checking in to the Ohio Section website as often as possible, and in order to register each month, you have to visit the website often! There's nothing else to it. I pay all expenses, and from time to time, I Give Away more than just a Handbook. You'll never know just what months will be those special times that I will have more than just a Handbook to Give Away!!

Many of you ask me just how do I know when the drawing is on? Well, that's easy all you need to do is check in on the Ohio Section Website on a regular basis and watch for the big **RED** Arrow that will appear on the left side of the page. This is the sign that the drawing is on and you need to get registered. So, keep a sharp eye out on the website and check in often! <http://arrl-ohio.org>



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ARRL Foundation Announces 2018 Scholarship Recipients – 2 are from Ohio *(from the arrl bulletins)*

The ARRL Foundation has announced the 2018 recipients of the scholarships it administers.

The William Gordon Buckner, W0VZK, Memorial Scholarship - Lydia Anderson, KE8HPZ, of Morrow, OH

The Dayton Amateur Radio Association Scholarship - Michelle C. Massa, KD0OTN, of Eaton, OH



We congratulate our 2 fine students from Ohio, and wish them the best in their future endeavors.

For a complete listing of all scholarship winners go to:

<http://www.arrl.org/news/arrl-foundation-announces-2018-scholarship-recipients>

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The Ohio Weekly DMR Net Report

June 13 DMR Net

District 1 – 5	District 5 – 10	District 9 – 4	QNI: 98
District 2 – 2	District 6 – 16	District 10 – 11	
District 3 – 7	District 7 – 15		Time: 68 minutes
District 4 – 13	District 8 – 7	Outside of Ohio – 8	NCS: KE8CQC

The reason for conducting this net every week is to make sure that all of our connections to the now ever-growing list of repeaters throughout the state are working as we want them to be.

Interested in being a net control for this net? Contact Duane, K8MDA at:

k8mda@arrl.net It's really easy to do and if you're checking in to the net on a regular basis anyway, you're already there! Please, we need volunteers from all over Ohio to do this net. It is important, and I will guarantee this, it's really FUN!! Want to take a look at the Preamble to see just how easy it is to run this net, here's the link:

<http://arrl-ohio.org/digital/Ohio%20DMR%20Net%20Preamble.pdf>



The reason for conducting this net every week and having you actually check "IN" is to make sure that all of our connections to the now ever-growing and changing list of repeaters throughout the state are working as we want them to.

Sometimes things don't always work as we expect them to, and testing this system, and ourselves, each week gives us the ability to better understand what can happen during any emergency situation. Come join in on the fun every Wednesday evening at 8:30pm local on the DMR - 3139 talk group!

Has your club taken the challenge? I have challenged all the clubs in Ohio to get your members to “check-in” to the DMR Net at 8:30pm every Wednesday night. Let’s get everyone on DMR to check in!

Now, I know that it’s gonna’ take some time to get everyone to buy into this idea, but I know that it will be worth it for sure! Just think of it, around 2,000 folks all checked in on a controlled net, it will be amazing for sure and maybe one that will break a record!

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Fun Things To Do, Classes & Hamfests Too

(from various newsletters and sources)

Class Instructors - Don’t forget to register your classes with the ARRL. It’s easy to do. Make sure that you send me that information too! Just think of all of the extra publicity that you’ll get for your classes!



>> Classes starting near you <<

OHIO EMA UPCOMING TRAINING

We’ve had a lot of folks ask about the availability of getting into one of the ICS-300/400 classes. Here’s a pretty good look at the upcoming classes throughout the state for the next 3 months.

All current trainings are listed on the Ohio EMA training calendar located at:
<https://webeoc.ema.state.oh.us/TrainingAndExercise/courselist.aspx>

L-105 Public Information and Warning June 20 – 21, 2018 Ohio EMA

G358 Evacuation and Re-entry Training June 21 – 22, 2018 Franklin County

ICS-300 Intermediate ICS July 30, 31 – August 1, 2018 Franklin Co. Sheriff

ICS-400 Advanced ICS August 1 - 2, 2018 Franklin Co. Sheriff

ICS-300 Intermediate ICS August 14 – 16, 2018 Fairfield County

ICS-400 Advanced ICS August 16 – 17, 2018 Fairfield County

L969 Communications Unit Leader (COML) August 20 - 22, 2018 Lucas County

L146 Homeland Security Exercise & Evaluation (HSEEP) Program August 22 -24, 2018 Jackson County

ICS-300 Intermediate ICS August 24 – 26, 2018 Athens County

L426 Building a Roadmap to Resilience: Whole Community August 28 - 30, 2018 Ohio EMA

L967 Logistics Section Chief September 10 - 14, 2018 Franklin County

G775 EOC Management and Operations September 12 – 13, 2018 Licking County

ICS-400 Advanced ICS September 15 – 16, 2018 Athens County

G402 ICS Overview for Executives and Senior Officials September 18, 2018 Washington County

ICS-300 Intermediate ICS September 18 – 20, 2018 Franklin County

ICS-400 Advanced ICS September 20 – 21, 2018 Franklin County

L-984 Task Force/Strike Team Leader September 24 – 26, 2018 Cuyahoga County
MGT-347 ICS Forms Review (Morning) September 25, 2018 AM Franklin County
MGT-347 ICS Forms Review (Afternoon) September 25, 2018 PM Franklin County

ARRL V.E. Test Sessions

06/19/2018 | [Sandusky OH 44870-1926](#)
Sponsor: Sandusky, Ohio VE Team
Location: Sandusky Radio Club
Time: 7:00 PM (Walk-ins allowed)
[Learn More](#)

06/23/2018 | [Freedom Township OH 44288](#)
Sponsor: Portage Cty ARS Inc
Location: Freedom Township Comm Park
Time: 4:00 PM (Walk-ins allowed)
[Learn More](#)

06/23/2018 | [Westerville OH 43081-1436](#)
Sponsor: Central Ohio Radio Club
Location: Westerville Fire Dept
Time: 9:00 AM (Walk-ins allowed)
[Learn More](#)

07/05/2018 | [London OH 43140](#)
Sponsor: MCARC
Location: Madison County Engineer's Office
Time: 7:00 PM (Walk-ins allowed)
[Learn More](#)

07/05/2018 | [Youngstown OH 44505-1400](#)
Sponsor: Mahoning ARA
Location: Red Cross
Time: 6:30 PM (Walk-ins allowed)
[Learn More](#)

07/07/2018 | [Bryan OH 43506-8410](#)
Sponsor: Williams County ARC
Location: Williams County 911/EMA
Time: 10:00 AM (Walk-ins allowed)
[Learn More](#)

07/07/2018 | [Lancaster OH 43130-3014](#)
Sponsor: Lancaster & Fairfield Cnty ARC
Location: American Red Cross
Time: 7:00 PM (Walk-ins allowed)
[Learn More](#)

07/08/2018 | [Independence OH 44131-4841](#)
Sponsor: Cuyahoga ARS
Location: Old Elmwood Recreation Center
Time: 9:00 AM (Walk-ins allowed)
[Learn More](#)

Here's also links to other great V.E. testing sites:

[Laurel V.E. Test Locations](#) & [W5YI V.E. Test Locations](#)

Contests – Just for the FUN of it!!

June 18
[Run for the Bacon QRP Contest](#)

June 20
• [Phone Fray](#)
[CWops Mini-CWT Test](#)

June 21
• [CWops Mini-CWT Test](#)
• [NAQCC CW Sprint](#)

June 22
• [NCCC RTTY Sprint](#)
• [NCCC Sprint](#)

June 23

- [Battle of Carabobo International Contest](#)
- [UFT QRP Contest](#)
- [His Maj. King of Spain Contest, SSB](#)
- [Ukrainian DX DIGI Contest](#)
- [ARRL Field Day](#)

June 27

- [SKCC Sprint](#)
- [Phone Fray](#)
- [CWops Mini-CWT Test](#)

See the [ARRL Contest Calendar](#) for more information. For in-depth reporting on Amateur Radio contesting

Special Events

- **07/05/2018 | Packard Auto Show**

Jul 5-Jul 10, 1200Z-2100Z, W8P, Warren, OH. Warren Amateur Radio Club. 14.225 7.225. Certificate. W8VTD, PO Box 708, Warren, OH 44483. Join us to celebrate the Packard auto show and cruise in from the Packard Auto Museum in Warren, Ohio, the original home of the Packard Auto.

- **07/07/2018 | Celebrating PCARS being honored as the Hamvention 2018 Club of The Year**

Jul 7-Jul 8, 1400Z-0200Z, K8BF, Mantua, OH. Portage County Amateur Radio Service. 21.240 14.250 7.140. Certificate & QSL. Tom Parkinson, 9992 State Route 700, Mantua, OH 44255. General portions of the ham bands Certificate or QSL card available Send your QSL card with a Large SASE for 8x10 certificate or a regular SASE for QSL card. www.portcars.org

- **07/27/2018 | Carnation Days Special Event**

Jul 27-Aug 12, 0000Z-2359Z, W8LKY, Alliance, OH. Alliance Amateur Radio Club. 14.250 14.045 7.250 7.045. Certificate & QSL. Alliance Amateur Radio club, P.O. Box 3344, Alliance, OH 44601. W8LKY will be on the Air at various times during the special event window. We are celebrating Alliance as the birthplace of the Ohio State Flower; the Scarlet Carnation. Frequencies and modes other than those listed here may be used. QSL / Certificate info can be found on our website. www.w8lky.org

- **08/04/2018 | Port Clinton Lighthouse Festival**

Aug 4, 1500Z-2100Z, W8GNM/8, Port Clinton, OH. Port Clinton Lighthouses Conservancy. 21.325 18.155 14.325 7.225. QSL. QSL via , LoTW only to, W8GNM/8. portclintonlighthouse.org

Upcoming ARRL Sponsored Hamfests

07/08/2018 | 20/9 ARC Hamfest
Location: Austintown, OH
Sponsor: 20/9 Amateur Radio Club
Website: <http://20over9.org>



07/21/2018 | GARS Germantown Hamfest
Location: Germantown, OH
Sponsor: Germantown Amateur Radio Society
Website: <http://GARSohio.org>

07/21/2018 | NOARSFEST
Location: Elyria, OH
Sponsor: Northern Ohio Amateur Radio Society
Website: <http://noars.net>

07/22/2018 | Van Wert Hamfest
Location: Van Wert, OH
Sponsor: Van Wert Amateur Radio Club
Website: <http://w8fy.org>

07/29/2018 | Portage Hamfair '18
Location: Ravenna, OH
Sponsor: Portage Amateur Radio Club
Website: <http://hamfair.com>

08/04/2018 | 2018 Columbus Hamfest / Ohio Section Conference
Location: Grove City, OH
Sponsor: Voice of Aladdin ARC
Website: <http://columbushamfest.com>

08/12/2018 | Cuyahoga Falls ARC's 10th Annual Tailgate Hamfest
Location: Stow, OH
Sponsor: The Cuyahoga Falls Amateur Radio Club
Website: <http://www.cfarc.org/tailgate.php>

Find all the Ohio Hamfests in one location? Go to: <http://arrl-ohio.org/hamfests.html>

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Reverse Beacon Network Beta Testing Separate Spot Stream for FT8 *(from arrl bulletins)*

As a beta test, the popular Reverse Beacon Network (RBN) [has announced](#) that it's now offering a separate telnet feed for FT8 spots (telnet.reversebeacon.net port 7001), in addition to the current spot feed (telnet.reversebeacon.net port 7000), which will be repurposed to handle only CW and RTTY spots. In addition, a beta version of *Aggregator* Version 5 that can handle FT8 spots received from *WSJT-X* will be available on the RBN website, with instructions on how RBN node operators can configure their nodes to spot FT8 call signs on one or more bands; this will not interfere with the ability to spot CW and RTTY call signs, the RBN team assured in its announcement, explaining its reasoning for the move. The beta test follows a limited alpha test aimed at getting a feel for the spot load and other implications of carrying FT8 spots on the RBN.

“The most striking characteristic of FT8 spots is their sheer quantity,” the RBN announcement said, citing weekday statistics from May 23 and 24 when FT8 spots represented 86% and 87% of all spots, respectively, while CW spots were 13% and 14%, respectively, and RTTY spots were below 1%. Throughput on both days totaled some 30,000 spots.

“Whether due to the startling popularity of the new mode, or to the ability to spot stations at 22 dB below the noise level, it seems obvious that adding FT8 spots to our spot flow could have a huge impact on the infrastructure of the RBN,” the RBN announcement said. “These numbers suggest that if only 20 – 30 RBN nodes added FT8 spots, those spots could outnumber the total CW and RTTY spots being delivered by the 140 – 150 nodes currently active on the network, doubling the total required throughput.”

The RBN team said it wanted to find out whether RBN servers would be up to the task before the fall contest season. “Operators of ‘retail’ DX clusters are encouraged to offer the option of RBN spots with and without FT8 spots, as they now often give users a choice between spot streams with and without *Skimmers* spots, and to advertise when they begin to carry FT8 spots,” the announcement said.

A beta version of *Aggregator* Version 5 that can handle FT8 spots received from *WSJT-X* will be available on the RBN website, along with instructions on how RBN node operators can configure their nodes to spot FT8 signals on one or more bands.

“We will closely monitor how the RBN servers handle this new load, as more and more nodes begin sending FT8 spots,” the announcement said, adding that the RBN reserves the right to take any necessary steps to protect the core mission of the RBN, including shutting off the FT8 stream on major CW and RTTY contest weekends or discontinuing FT8 spotting altogether. Even then, *PSKReporter* would continue to carry FT8 spots, the announcement pointed out.

“We hope we’re not doing this in a vacuum,” the RBN team said, noting that it’s been collecting the views of testers and DXers, “and we think that we’re headed in the right direction.” The RBN team consists of KM3T, N4ZR, PY1NB, SV3SJ, and W3OA.

The screenshot shows the Reverse Beacon Network website interface. At the top, there's a navigation menu with links: welcome, main, dx spots, skimmers, downloads, about, contact us. Below the map, there's a table of spot data with columns: de, dx, freq, cq/dx, snr, speed, time. The table lists several spots from various call signs like N7TR, DK9IP, SV8RV, PY1KN, SK3W, DL1EMY, and DH4WA.

de	dx	freq	cq/dx	snr	speed	time
N7TR	W1FJ	7004.8	CW CQ [LoTW]	24 dB	20 wpm	1142z 19 Dec
DK9IP	RL110RAEM	21034.9	CW CQ	34 dB	24 wpm	1142z 19 Dec
SV8RV	UN7RBF	14035.9	CW CQ	10 dB	22 wpm	1142z 19 Dec
PY1KN	EAB/DJ9BN	21023.0	CW CQ	8 dB	22 wpm	1142z 19 Dec
SK3W	UN7RBF	14035.9	CW CQ	39 dB	23 wpm	1142z 19 Dec
DL1EMY	RL110RAEM	21034.9	CW CQ	38 dB	28 wpm	1142z 19 Dec
DH4WA	IIN7RRF	14035.9	CW CQ	47 dB	21 wpm	1142z 19 Dec

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Weather Underground and Ham Weather Stations

A few months back I did a short story about my weather station that's mounted on a tree stump in my backyard Well, I guess this story got John, W8UL to thinking about his weather station and he wrote me the following.



Hi Scott,

Have you ever considered creating a database of Ohio Section personal weather stations who report their weather data to Weather Underground (Wunderground)?

I notice that you have station KOHMANSF29; I have KOHREYNO17..

I have three weather stations: a homebrew Arduino-based using a Davis anemometer and vane with tipping bucket rain gauge and double temperature, pressure, and humidity sensors; my broadcast station is an Ambient Weather WS-1401-IP (Wireless); and an old Lacrosse WS-1500 system.

The three are used to compare each other to maintain accuracy of data. The Ambient station is 33 feet up on my 56' 40-meter tower; the Arduino station is about 23 feet up on the 56' 10-15-20 meter tower; the LaCrosse station is at 13 feet on a 2" diameter EMT pole. And, yes, there is definitely a difference in conditions between 33 feet and 13 feet! - John W8UL

I got to thinking about John's idea over these past few months and how it could help us in times when we want to know specific information in locations that goes beyond what the weather service can provide for us. Wow, this would be fantastic for sure. Creating a webpage where anyone could access the information is really easy for me to do.

By having this webpage, we would have that little extra knowledge of which towns we have stations already reporting so that we could quickly and easily click on the link and bring up that specific station.

I know that there are a lot of us that already have the Weather Underground application up and running and reporting on our weather stations. What's your thoughts on this. Would you share your ID with us?

That's the "One Question, Questionnaire" this week. Would you share your Weather Underground ID so that we could establish a database with all the weather stations all over Ohio?

The webpage would look something like this..

Weather ID	Call	City
KOHMANSF29	N8SY	Lexington
KOHREYNO17	W8UL	Etna Township - Reynoldsburg

If you want to volunteer your weather station information just send me the Weather ID and your callsign, if it's not part of your email address to n8sy@n8sy.com I think this will be a lot of fun for sure!

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Club Corner

This is YOUR corner of the newsletter. Send me what your club is doing and I'll make sure that it gets in. Got a special event or club project that you want everyone to know about? Send it to me!. Need help with a project? Send it to me.



Let me know what your club is up to. Are you going to have a special guest at your meeting or are you having a special anniversary? Just send it to:

n8sy@n8sy.com

Need Letter "N" Card Sorter for 8th District QSL Bureau

We need a dedicated person to be the sorter the letter "N" for the incoming QSL Bureau. What is a card sorter? Here's a link to fill in on all the details. http://arrl-greatlakes.org/8th_bureau.htm

If after you read the description you feel that you'd be a good fit for the job, and your call sign suffix begins with the letter "N", then you need to contact: Bureau Manager - Jack Shirley, N8DX E-Mail: n8dx@arrl.net

Need Help!

AAARC wants to activate the Ashland County EOC for Field Day - **June 23-24**. The Ashland County EOC is at the Ashland County Service Center, 1763 Ohio 60, lower level. Contact either Jack Leisure, KC8MBC, kc8mbc@yahoo.com or Lee Farquharson, N8LFLK, n8lflk@arrl.net.

Ashland BalloonFest – **June 28-30**. Each year the AAARC helps at the Ashland BalloonFest balloon glow during the evening of each day of the event. We still need volunteers for the event. I currently have about 5 volunteers. We need approximately 13 volunteers per night. For more information, contact Lee Farquharson, N8LFLK, n8lflk@arrl.net



Need Help!

Hello everyone,

We have a MS Bike Ride scheduled for **Saturday July 7th**. It starts and ends at Coffman Park in Dublin and loops as far as Bellefontaine.

If you would like to help provide amateur radio support for it this year, please send me an e-mail and let me know your time availability and where you will be coming from.

I will take that into consideration when assigning rest stop locations to cover. Here is a link with information about the bike ride: http://main.nationalmssociety.org/site/TR/Bike/OHABikeEvents?pg=entry&fr_id=29948

I will follow up with everyone that can help with more detailed information. If you know anyone that would be interested in helping provide amateur radio support for the event, please share this e-mail with them.

73, Edmund Liddle, KE8ANU ed.liddle@gmail.com or 614-804-6569

Need Help!

Headwaters Adventure Race on Saturday July 14th

The Portage County Parks District is holding its annual Headwaters Adventure Race on Saturday July 14th in the Mantua-Hiram area. This is a three event race on foot, bicycle, and in a canoe. The Parks District has requested our help in providing communications for this event. We can really use the help so if you're available please let me know by June 30th at rick.kruis@outlook.com If you have no experience at public service events but would still like to participate, please let me know and I can pair you up with an experienced operator.

73, Rick K8CAV

Need Help!

HOF Grand Parade Ham Radio Volunteers,

Looking for Returning HOF Grand Parade Volunteers and Anyone else who would like to Help this Year **Sat. Aug. 4th** 6:00 AM until around 12:00 Noon all depending where your work Block is Located.

Anyone who already told me they were coming back - Please Reply Anyway.

The Appreciation Dinner is on Friday July 20th @ the same place the Civic Center in Canton a None Volunteer Guest is \$15 Everyone needs to be 21 years or older and have an ID, the Deadline is June 22nd to get tickets. If your New Working the Grand Parade there is training time @ the Perry Library @ Sippo Lake entrance off of 12th Street Tuesday July 17th or Thursday July 19th @ 5:30 PM in the Lower Level. Pick a Date one or the other, Please Let Me Know If you have worked the parade before. Your Attendance isn't necessary.

So Lets Recap:

Please let me know the following: Can you work the Grand Parade? If yes, do you want to go to the Appreciation Dinner? Will you be going to training meeting if so tell me what day Do you own a DMR Radio? Do you have a Analog 2 meter HT? Looking Forward to Seeing Your Reply

Thank You for Volunteering Again for this Event that is Great for Canton and Brings a lot of Money to the City Business

Here is a Link to the Grand Parade Webpage if you have any questions etc.or Simply Reply to me with questions. <https://www.profootballhoffestival.com/grand-parade>

I need to Know what Holes to Fill, so Please Let Me Know ASAP your Coming Back for a New Vollunteer for the 2018 HOF Grand Parade!

Wade, WD8MIU wd8miu@gmail.com or Cell 330-704-2100

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Questions about Liability Insurance for ARES Groups

Hi Gang,

I've had a number of conversations lately about what Ohio Responds is, and what it isn't for our Ohio ARES Groups. It seems that there is some confusion about what "Liability Insurance" actually is, versus "Medical Insurance." So, without getting too legalistic I want to address some concerns that seem to be going around about what we actually have for insurance in our Ohio ARES Groups.

First, let's address what Liability Insurance is. I've taken the liberty of copying an explanation below from Wikipedia

*Liability insurance is designed to offer specific protection against third-party insurance claims, i.e., payment is not typically made to the **insured**, but rather to someone suffering loss who is not a party to the insurance contract.*

Here's what the Ohio Responds says about its Liability coverage. You can find the full details on the Ohio Section Website: <http://arri-ohio.org/Ohio%20Responds%20Liability%20Protection.pdf>

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(C) A volunteer registered under this section is not liable in damages to any person or government entity in tort or other civil action, including an action upon a medical, dental, chiropractic, optometric, or other health-related claim or veterinary claim, for injury, death, or loss to person or property that may arise from an act or omission of that volunteer. This division applies to a registered volunteer while providing services within the scope of the volunteer's responsibilities during an emergency declared by the state or political subdivision or in disaster-related exercises, testing, or other training activities, if the volunteer's act or omission does not constitute willful or wanton misconduct.

Now, I realize that this is a lot of legal talk, and I apologize to all the attorneys out there if I miss some important Ohio Revised Code in my examples. But, but some folks seem to be misunderstanding the actual intent of Liability Insurance versus Medical Insurance.

Example 1.. You take it upon yourself to go out and direct traffic for an event. You have no training in doing this, but you felt it was something that you could do, and you just happen to direct a car into the lane of an approaching truck and it causes an accident with injuries. **YOU** are liable for the accident since you've directed the car into the path of the truck. Since you have no training to direct traffic, you have gone beyond the scope of the volunteer's responsibilities and have caused injury. You will **NOT** be covered under Ohio Responds or most any other normal Liability Insurance policy, since you have no training in doing what you did. Therefore, you are Liable for damages that have occurred due to your lack of proper training.

Example 2.. Now, let's say you are called into the field to search for a missing child and you fall into a hole and break your leg. You are also **NOT** covered under Ohio Responds or any other Liability Insurance since you are the one insured. But, if you have Medical Insurance from your employer, or you have Medicare or Medicaid, you are insured for accidents that happen to you under those types of situations, and that's what this type of insurance is designed for, to cover **YOU** in an accident that happens to you.

I do realize that not everyone has Medical Insurance, and that's where there could be a problem. If **YOU** are injured during an event, you may not have insurance, and that's where you will be responsible to do your homework ahead of time. Don't assume that you will be covered under the sponsoring event people's insurance. It is just as much **YOUR** responsibility to find out if there are agreements in place to cover you medically **BEFORE** you do an event.

Example 3.. You are called in by your EMA Director or Red Cross Disaster Assistance Team to help out with communications during a severe weather event. You make a mistake about where a food delivery truck should go and it causes monetary losses to the food vendor due to the fact that the food in the truck got spoiled because it was misrouted and all the food had to be thrown out. You **ARE** covered for this under Ohio Responds. Since this was not intentional, you didn't willfully or wantonly misdirect the truck. Under this example **YOU ARE** covered under Ohio Responds as well as under Ohio's "Good Samaritan Law."

I hope that you now see the difference between Liability Insurance and Medical Insurance. Never assume that you are covered under anyone's insurance policy. Please don't even make the mistake of not asking for something in writing. Yes, in today's world where you can be sued for just about anything, it really is up to **YOU** to take the responsibility to make sure that you have Liability and Medical coverage **BEFORE** you go out into the field.

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Final.. Final..

Scott Yonally, N8SY - SM

n8sy@n8sy.com



Hey Gang...

Wow, I had a blast at the Milford Hamfest this weekend. I got to see so many folks that I haven't seen in quite some time, it was Fantastic! Their new location was really great, they have plenty of room for expansion in the years to come. If you missed this hamfest, you really missed out on a good one. You'll want to mark this one on your next year's calendar for sure!

This next weekend is Field Day. Are you going to participate? Not sure if you have the time? Well, just in case you decide at the last minute to help out and have some fun with your fellow HAMS just click here → [ARRL Field Day](#) to find a field day site near you!

Want a good press release for Field Day? Need a copy of the Ohio Governor's Proclamation for Field Day (as every Field Day site in Ohio should display) Click Here →: http://arrl-ohio.org/FD_Message.html You can also get instructions on how to write and send a Radiogram to the Ohio Section Manager for Field Day there as well.

I want to congratulate the Central Ohio Repeater Club (CORC) for being awarded the National Weather Service "Weather-Ready Nation Ambassador" Award.

Hey, how's your training going? Let's not forget that it is going to be a very important part of what we do **from now on!** I'm still working on my training needs, are you? Why do we need all this training? Because we can't ever be trained enough!

There is always something new to learn and new techniques being driven out of all these horrible incidents, but the biggest reason that I can think of right now is that we advertise ourselves as a "trained corps of operators" and as such we need to be diligent in not mis-advertising ourselves. Taking the time to get this valuable training is the right thing to do!

Let me know if you have any new course certificates, we'll want them for the statewide database. And, it doesn't always have to be about the NIMS training either. Don't forget that having Basic First Aid, CPR and AED training is very valuable in the field as well. And, don't forget about the newest training out there, "Stop the Bleed..." This one is really good, and it's something that you can use no matter where you are.

These courses are not only useful for you in the field, but you'd be surprised how they can help you around the house as well. Remember, most accidents happen within 25 miles of you home! And YES, my accident last year happened within that 25-mile radius. You need to be prepared!

Website updates.. Thanks to Greg, WD9FTZ and his very diligent work on keeping track of the latest Talk-Groups, we now have an updated listing on the website. I also have added a link to a brand new website in Stark County that has a ton of DMR information on it as well, go check it out.. <http://kg8dq.com/>

Ok, I to want to update you on the NIMS count. Here's the figures as Jim, W8ERW has given them to me. Members in the database – 947; Active members – 914; Members NIMS Complete - 705; Total courses logged - 6,600; 2017 training courses – 785; 2018 training courses – 397. We have some very impressive numbers. Are you included?

That's going to do it this time around... I'll catch you on down the log for sure, and stay dry my friends,

Scott, N8SY...



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Back Issues of the PostScript and Ohio Section Journal (OSJ)

Hey, did you know that PostScript and Ohio Section Journal (OSJ) are archived on the website? You can go back and look at any edition simply by clicking:
<http://arrrl-ohio.org/news/index.html>



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Chit – Chat, and All That!

Do you know someone that's not getting these Newsletters? Please, forward a copy of this Newsletter over to them and have them "[Opt-In](#)" to start receiving them. Heck, just have them send me an email n8sy@n8sy.com and I'll get them added to the Ohio Section Emailing list. We now have over 6,000 folks receiving these newsletters weekly. Quite impressive, I'd say!



I urge all of you to make sure that everyone, regardless of whether they are a League member or not, get signed up to receive these weekly Newsletters. You can always "[Opt-Out](#)" at any time if you feel this is not what you were expecting. It's fun and very informative.

Hey, did you know that PostScript and Ohio Section Journal (OSJ) are archived on the website? You can go back and look at any edition simply by clicking:
<http://arrrl-ohio.org/news/index.html>

Got questions, concerns or would just like to sit and chat awhile? Heck, I'll even buy the coffee!! Give me a call at (419) 512-4445 or email me at: n8sy@n8sy.com

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Please send your Field Day pictures to me for publication on the Ohio Section website!! Send them to: n8sy@n8sy.com

The Ohio Section Journal (OSJ) is produced as a comprehensive look at all the programs within the Ohio Section. I sincerely hope that you have enjoyed this edition of the OSJ, and will encourage your friends to join with you in receiving the latest news and information about the Ohio Section, and from around the world!