



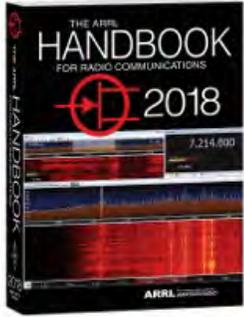
February 5th The Olympics Edition



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The Handbook Give Away



Hey Gang,

We had another fantastic response this month, but I'm sure you're more interested in knowing just who won the Handbook this month...

And the winner is.... **Michael Smith, N8MRS!**

Since we've had such a great response with the Giveaway this month, I added some hats to "Give Away" as well!!

AND... those winners are: **Daniel Cunningham, KE8UE; Jim Frey, W8ISZ and Susan Young, KB8AOF**

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, 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!

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>

73, and good luck to all..

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ARRL Suggests FCC May Need to Intervene to Ensure Effective Antenna Rights

(from arrl bulletins)



[Commenting](#) in response to an FCC *Public Notice* (DA 17-1180) released last month, ARRL addressed the extent of Amateur Radio's response to recent hurricane disasters and efforts needed to expand the use of Amateur Radio services when it comes to planning, testing, and providing emergency communication. The comments point out that Amateur Radio not only has been "far more than a hobby;" it is a ubiquitous, infrastructure-independent communication resource that's always ready to deploy effectively whenever and wherever needed. The League cited the remarks of former FEMA Administrator Craig Fugate, KK4INZ, that Amateur Radio "oftentimes is our last line of defense." ARRL raised three areas where action by the FCC could ensure and enhance the ability of radio amateurs to provide emergency communication, including the current Amateur Radio Parity Act of 2017 (S. 1534), now in the US Senate.

"HOAs can preclude amateur antennas in common areas. HOAs can enact reasonable written rules governing height, location, size and aesthetic impact of, and installation requirements for, outdoor antennas and support structures for amateur communications, but the effective outdoor antenna requirement is paramount," ARRL noted in its comments. "The bill is currently before the Senate Commerce Committee.

If, however, Congress is unable, as has been rumored, to pass *any* telecommunications legislation this term, it will be incumbent on the Commission to take the action on its own initiative that would be called for by this legislation. The future of Amateur Radio emergency communications is dependent on it.” ARRL asserted that it “is critical to have stations located at one’s residence in order to regularly participate in disaster preparedness training exercises and drills.”

Another “noteworthy and urgent need” that might call for some regulatory involvement by the FCC, ARRL said, “relates to an outdated regulation that limits data rates in HF Amateur communications, precluding certain digital emissions that have recently proven extremely important in Amateur Radio hurricane relief efforts.” ARRL noted that the FCC has yet to act on the League’s *Petition for Rule Making* (RM-11708), filed in November of 2013, proposing to amend the Amateur Service rules to eliminate the symbol rate limit relative to data emissions in allocations below 29.7 MHz.



That *Petition* also called for establishing a 2.8-kHz maximum occupied bandwidth for data emissions in those bands. ARRL has argued that this deregulatory action is necessary to allow the use of PACTOR 4, an effective and efficient digital communication mode that has proven valuable in disaster-relief efforts. In July of 2016, the Commission released a *Notice of Proposed Rule Making* in WT Docket 16-239, proposing only to remove limitations on the symbol rate applicable to data emissions.

“Equipment dispatched with the ‘Force of 50’ [volunteers] to Puerto Rico included data transmission equipment capable of PACTOR 4 operation, but it could not be legally used in the Hurricane Maria disaster relief effort,” ARRL noted. The League prevailed upon the FCC to grant a temporary waiver to permit use of PACTOR 4 by radio amateurs involved in the emergency response. “However, it should not have been necessary to wait more than 4 years for the underlying rulemaking proceeding to have been resolved, and it should not have been necessary to ask for a temporary waiver of a hopelessly outdated rule that limits data speeds for no useful reason,” ARRL added in its comments.

The League also called on the FCC to “take the action requested in ARRL’s January 2017 *Petition for Rule Making* (RM-11785), proposing to allocate the band 5351.5 to 5366.5 kHz to the Amateur Radio Service on a secondary basis, in accordance with the Final Acts of World Radiocommunication Conference 2015. “A contiguous band in the vicinity of 5 MHz will assist in conducting emergency and disaster relief communications in the United States; with the Caribbean basin; with Alaska and with other parts of North, Central and South America,” ARRL told the FCC. ARRL has asked the FCC to permit 100 W, as it does on the five existing 60-meter channels, and to retain the four channels that are not part of the requested contiguous frequency band.

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Electrical Teaser



Do you know how a 3-way switch hooks up? You most likely have one of these in your house somewhere, possibly more than one set of them as well.

Think about it for a bit.. If you just can figure out the answer to this teaser, the answer with a pictorial appears on the last page. Here’s a link to it: [ANSWER](#)

Ohio EMA Now Accepting Safe Room Applications

(from ohio ema)

COLUMBUS — The Ohio Safe Room Rebate Program is once again accepting applications. The program provides a rebate for the purchase and construction / installation of tornado safe rooms for Ohio homeowners selected for the program.



“The entire state of Ohio is at risk of an EF5 tornado, which produces 250 miles per hour winds capable of destroying most structures,” said Steve Ferryman, Ohio EMA mitigation branch chief. “A safe room is built to withstand these winds and resulting airborne debris and provides near absolute protection for occupants.”



A safe room is an extreme-wind shelter or space that provides protection to people during a tornado. It can be constructed/installed in one of several places in the home: in the basement, beneath a concrete slab-on-grade foundation or garage floor, or in an interior room on the first floor. A safe room may also be buried in the yard or be a stand-alone structure near your home.

Residents selected for the program are eligible for a rebate up to 75 percent of the cost to install or construct a safe room – up to a maximum of \$4,875. To apply for the Ohio Safe Room Rebate Program, homeowners have until 5 p.m. March 19, to register on the Ohio EMA website:

<https://sharpp.dps.ohio.gov/SafeRoom2016/AnnualSafeRoomPages/AnnualHomePage.aspx>

The Ohio Safe Room Rebate Program will use a computerized random selection process to select applicants. A priority list of applicants will be created from the selected applicants. Chosen homeowners will be notified by e-mail of their position on the priority list on or after March 22.

Funding for the rebate program is through a partnership with the Federal Emergency Management Agency’s (FEMA) Hazard Mitigation Assistance (HMA) grant programs. Ohio homeowners would be responsible for 25 percent of the construction costs and any additional costs over the 75 percent maximum rebate of \$4,875. Safe rooms must meet FEMA requirements in FEMA publications 320 and 361, and cannot be constructed / installed prior to the rebate drawing and notification from Ohio EMA to proceed with construction.

If, after visiting the Ohio EMA website, interested people have questions, they should call Dan Clevidence at 614.799.3533.

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Stephanie Kisil, KD8TCZ Receives Merit Scholarship

(from noars log)

NOARS member and high school senior, Stephanie Kisil, KD8TCZ, was selected to receive a Thiel College Merit Scholarship Award in the amount of \$15,000. Thiel College is a liberal arts, sciences, and professional studies college, located in Greenville, PA. The award is renewable for four years, bringing the full award to \$60,000. Congratulations, Stephanie!

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One Question Questionnaire

Hey Gang...

There's another NEW – one question – questionnaire on the Ohio Section Website! <http://arrlohio.org> I noticed that that around 23% have operated FT8! That's about what I expected that it would have been!



It's all in fun and we are learning some things that we didn't know from these questions. I hope that you are enjoying answering these "ONE QUESTION" questionnaires. Now, here's the next question... **"Do you run a Power Amplifier on any of your radios?"**

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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Ohio DMR Net Report

January 31 DMR Net

District 1 – 2	District 5 – 6	District 9 – 9	QNI: 103
District 2 – 3	District 6 – 15	District 10 – 13	Time: 53 minutes
District 3 – 10	District 7 – 15		
District 4 – 9	District 8 – 6	Outside of Ohio – 15	NCS: K8MDA



It seems that **District 6, 7 & Outside of Ohio** – have all tie for the Gold Star for the night with 15 check-ins each. Congrats to ALL! There were 6 net announcements for the net given after all the check-ins were established.

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!!

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!

I want to mention this now, something that has been happening on many of the Talk Groups that I monitor. It's the fact that we (all of us) need to remember that this isn't analog. The repeater(s) need time to reset. Yes, REPEATERS.

Keep in mind that we now have over 75 repeaters in the state, and when you are on the Ohio Talk Group you are accessing all of them at the same time. All of us are so used to just hitting the PTT, or as a friend of mine says..”Mash to Mumble” as soon as someone releases the mic button to get that word in quickly. You can’t do that with digital. It needs a little time for everything to reset. This is some of the reason why when you go to check-in on a net that you may not be heard, you are not allowing the system to be reset. The repeater and/or C-Bridge needs about two seconds to reset itself. Having an OpenSpot has given me a new perspective on this. I monitor the Ohio Net using both a repeater and my OpenSpot. It’s amazing to watch and see just how long it takes to reset the system. You can do the same if you watch through one of the dashboards (ie.. Hoseline or K4USD) and a repeater. I have found that if you give the system about 2 seconds or so to reset, you’ll be able to access the machines on a pretty reliable basis.

We live in an “instant” world, and we all feel that the internet is lightning fast. It isn’t always so, even though your cable company spends millions of dollars trying to make you believe that. There’s so many interconnects and so forth that it isn’t quite as fast as we are with the mic button. So, the next time that you attempt to hit that PTT.. count 1 Mississippi – 2 Mississippi and then hit the “Mash to Mumble” button.

I also have noticed that some of you still don’t have a proper DMR/MARC I.D. programmed into your radios yet. If you don’t have this right, you might never get checked in to a net that isn’t local. You see you have to have a real DMR/MARC I.D. to go through the internet connections all over the country. Without it, all you will be able to do reliably is to talk locally.

Now, something a little different for all of you DMR Users. I was asked recently if I could publish some statistics about just how many In-State versus Out-of-State users we have on DMR. So, after some exhaustive research, I did find some data that we could use to track this statistic from time to time.



To start this evaluation, we do need to understand what it is that we want, or can track accurately. Now, since there’s really a huge amount of Talk Groups, including those private ones that we aren’t even aware of, we do have to settle on what is common to all of us. So, I chose the Ohio Talk Group (3139). Now, the hardest part of this task was to find someone, or some place where I could obtain data for more than just a few hours of time.

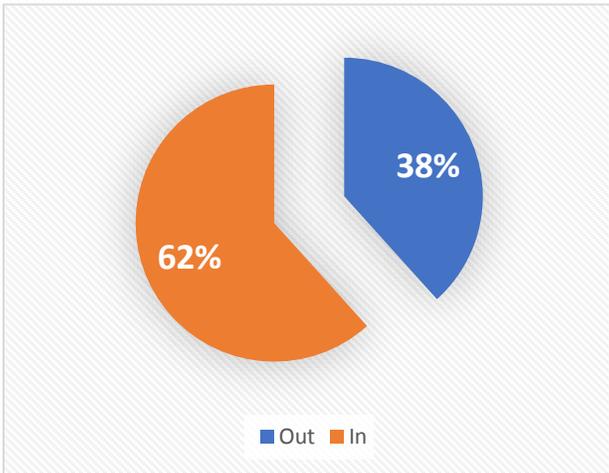
To have good and accurate metrics you really need to use as many sources for your data as you can. Unfortunately, I could only find one source where the data was stored for longer periods of time than just a few minutes, and that was Brandmeister. They actually keep pretty good records on all of us, and our usage on the system. I was surprised to find out just how much data is actually being tracked by them. It’s amazing to say the least. For those of you who don’t know, they track not only your usage, but they keep audio files on every transmission from every Talk Group for a period of about a month or so! This means that if you missed the Ohio DMR Net one Wednesday night, you can go onto their website and actually listen to the net! I use this sometimes when I’m at a meeting and just couldn’t check in. It works really slick and it’s free! Oh, and I want to mention this as well, since this is accessed from your computer, you don’t even need to be a ham! Anyone can listen in! Here’s the link to the Ohio Talk Group Audio archives: <https://hose.brandmeister.network/3139/archive/> You can listen in on any Talk Group, just change the 3139 to whatever Talk Group you want to listen to. You can also listen LIVE to any Talk Group, here’s the link to the on-line scanner: <https://hose.brandmeister.network/scan/>

Anyway, back to the story, the metrics for this come from Brandmeister only. In order to have a really accurate set of metrics, you have to have lots and lots of data points to prove your analysis.

If there are other sources for this type of data, please pass that information along to me. It will make this more accurate and it will be interesting and FUN to see just what Brandmeister might not be hearing.

I used the DMR/MARCS I.D. in screening out who lives outside of Ohio, and who lives inside. I know that we have a few Snow Birds amongst us, and that could change the statistics a little, but I feel pretty confident that it would be less than a half a percent or so, since we do have a rather large amount data. I was able to find data going back to the first week of September. Yes, we have around 4 months' worth of data to start this with, and that's really good.

I put all of this raw data into a spreadsheet so that I could easily sort out just who's using the system more.



Here's a Pie Chart showing the results of the usage. Yes, about 62% of the usage is from folks inside the state.

What's surprising is that we have 38% from outside of Ohio using the repeaters. I feel that speaks volumes for OUR repeater systems! Some states have, or have just recently changed from a closed access repeater system. Having a closed system isn't what Amateur Radio is all about. Remember, we are experimenters, and being able to freely exchange information between all of us is what has advanced Amateur Radio throughout the years. By having a great bunch of repeater owners, and them keeping their repeaters open and operating for EVERYONE, I feel has advanced the Ohio

Section to be one of the leading Sections in the country for DMR!

Now, something else that came out of all of this data that I'm not going to publish (I don't want to embarrass anyone) is who's on the system the most! Yes, I have that information as well! I will confess, I am one of the heavy users, so I can tell you from my own on-the-air experiences, that the graph does pretty much represents a good snapshot of just how much the repeaters are getting used by both groups.

Here's another impressive figure for ya'. The data shows that the repeaters were accessed, on the (3139) Ohio Talk Group, a grand total of 41,728 times in that time frame. That really says a lot, since this is from just 1 Talk Group alone. Remember, DMR has (2) time slots and hundreds of Talk Groups that can be accessed. I feel you could just about quadruple that 41,000 figure when you add in this additional information! There is an enormous amount of traffic going through both time slots at any given time on a repeater. We all need to be thanking those repeater owners, and the folks who own the C-Bridges, for keeping things going as good as they do. Like I said, I am one of the heavy users. I was surprised to learn that I was tracked at having accessed the Ohio Talk Group some 608 times! Now, that's just the Ohio Talk Group. I'm also on Talk Group-310 and Talk Group-311 a lot as well! I guess that means I do a lot of talking.. OK.. I heard that!!!! Hi.. hi..

So, what do you think? Is this information something that you'd like me to keep track of and report on? Let me know. It was fun learning all these things and being able to share them with you. I will to add this... If you know a DMR repeater or C-Bridge owner, go up to them and give them a big hug! They deserve it for sure.

You can find a ton of information about DMR and the most popular DMR Nets and Code Plugs on the website: <http://arrl-ohio.org/digital/digital.html>

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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*** <<

The Greene County Amateur Radio Emergency Service and the three Greene County amateur radio clubs (**Bellbrook, Fairborn and Xenia**) are jointly offering license classes meeting from 7 to 9 p.m. on Sundays starting **Feb. 11**.

The entry level Technician Class Course meets in the Training Center at the Bellbrook Amateur Radio Club Clubhouse, Room 1 Sugarcreek Elementary School, 51 South East Street in Bellbrook.

The General Class Course and the April 22 test session are held in the Training Room at Beavercreek Township Fire Station 61 located at 2195 Dayton-Xenia Road just west of Orchard Lane. The Extra Class Course meets in the Training Room at Fairborn Fire Station 2 located at 2200 Commerce Center Blvd just south of Dayton-Yellow Springs Rd (just east of I-675). For more information or to register for the classes, contact Henry Ruminski, at W8HJR@arrl.net or call 937-232-9272.



Get your **Technician, General or Extra class license!** Thursday evenings starting **February 22, 2018** and ending April 5, 2018 **at 6:30 pm**. April 5th will be a special VE Test session for all license classes, ARRL fee for this VE test is \$15.00

To register please follow the link at www.2cars.org and complete the on-line application or call 216-524-1750 Bob, W8GC. Classes will be held at the Seven Hill City Hall, 7325 Summit View Dr Seven Hills, OH 44131 in room "C" at 6:30 pm every Thursday.

The entrance is at the East end on the South side of building class fees: Technician \$25.00, all who pass get a free CARS membership for 2018, General and Extra \$20.00 non-members or \$15.00 CARS members, fees include all class materials

The American Legion Post 641 Amateur Radio Club will be hosting a **Technicians Class** crash course on **Feb 11th**, and a **General Class** crash course on **Feb 25th**, beginning at 10:00 am on both dates with exams to follow immediately afterwards.

Courses will be held at Post 641 in Belle Valley Oh just off exit 28 on I77. The course will be instructed by Sonny Alfman W8FHF. Exams will be conducted by the Laural Valley Group. here is **NO CHARGE** for the exams. Lunch will be served by the club for a small donation. For further information please contact Gary Oliver, Membership Chairman at garyoliver523@gmail.com.

Geauga Amateur Radio Association has two classes coming up, they're being held Friday nights at 6:30PM, and here's what you need to know:



Extra Class: This will be held at the EOC starting on **February 23** and is 12 weeks long. Students are encouraged to purchase study materials. More information: <http://bit.ly/extra-class>

Technician Class: We are holding a technician class at TriPoint Medical Center, starting **April 6**, for 6 weeks. Lake Health has said they value amateur radio and have asked us to teach a class at their location. Study materials will be loaned to students at no charge. More information: <http://bit.ly/technician-class>

The OH-KY-IN Amateur Radio Society is offering two upcoming licensing classes and a licensing exam session in the Cincinnati Tri-State Area.

A ten-week Amateur Extra license class will start on **February 26th** and run through April 30th. The class will meet on Mondays from 7:00 PM to 9:00 PM at Trinity Lutheran Church, 1553 Kinney Ave., Cincinnati, OH 45231.

A five-week **Tech and General license class** will start on **April 2nd** and run through April 30th. This class will also meet on Mondays from 7:00 PM to 9:00 PM, but at the Greater Cincinnati American Red Cross, 2111 Dana Ave., Cincinnati, OH 45207.

An exam session is being held on the following Saturday, May 5th at 9:00 AM at St Bernard's Centennial Hall, 110 Washington Ave., St Bernard, OH 45217.

For questions or to register, please contact Mike Neihaus - KD8ZLB at kd8zlb@gmail.com.

22nd Annual Severe Weather Symposium *(from ohio district 3 ares)*

Well, it's mid-Winter again, which means it's time for me to hype the 22nd Annual Severe Weather Symposium. Sponsored by the Meteorology Club at The Ohio State University, this annual event is free and open to all ages. Presenters cover a wide variety of severe weather topics. Some are quite general and easy to follow, while others are highly technical scientific research.

This year's symposium is scheduled for Friday, **March 9**, 2018 from 9AM to 5 PM. The location is the US Bank Conference Theater, Ohio Union, 1739 North High Street, Columbus, Ohio. Parking can be an issue, so the recommended option is the South Garage. Located just north of the Ohio Union. Attendees may pack a lunch, dine within the Union or eat at one of several nearby restaurants. In addition to these expenses, there are usually a few symposium related goodies available for purchase. To learn more about speakers or to register for the symposium, visit: <http://u.osu.edu/metclub/2018-symposium>

Contests – Just for the FUN of it!!

- February 5 [RSGB 80m Club Championship, SSB](#)
- February 6 [ARS Spartan Sprint](#)
- February 12-16 [School Club Roundup](#)
- February 17-18 [International DX – CW](#)



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



Freeze You Acorns Off

All of you know how cold it has been lately. So what better time than to - FREEZE YOUR ACORNS OFF!!

When: **Saturday, February 10th**, we will once again be meeting in the Roy Smith Shelter House located in the Fred Fuller Park - 497 Middlebury Rd., Kent, OH, to take part in our annual Special Event. It is our 13th annual, Freeze Your Acorns Off QRP Event sponsored by PCARS.

Activity will be in the General portions of the bands of 6, 10, 15, 20, 40 and 80 meters. The modes as in the past are CW and SSB and of course it's all QRP.

02/18/2018 | Mansfield Mid*Winter Hamfest

Location: Mansfield, OH
Sponsor: InterCity Amateur Radio Club
Website: <http://www.w8we.org>

03/04/2018 | Winter Ham Fest

Location: Elyria, OH
Sponsor: Northern Ohio Amateur Radio Society
Website: <http://noars.net>

03/17/2018 | Mid-Ohio Valley ARC Hamfest

Location: Gallipolis, OH
Sponsor: Mid-Ohio Valley Amateur Radio Club
Website: <https://sites.google.com/site/midohiovalleyarc/home/movarc-hamfest>



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

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Final.. Final..



Hey Gang...

For those of you who are interested, the January ARRL Board of Directors Meeting Minutes have now been published. I've heard from a lot of you over these past several weeks about all the hype over possible changes, and just what did happen at this meeting. So, I decided that since there was so much interest from folks who belong to the ARRL, and even those who don't, I decided to put them on the website for everyone to be able to read for themselves. So, without any further fan-fare from me, here's a link to the Minutes:

<http://arrl-ohio.org/news/2018/BOD-mtg-minutes-jan18.pdf>

Did you watch the Super Bowl? All those crazy commercials! Are you aware that there is an Ohio connection to not only the Super Bowl, but the NFL as well? There is, and that connection is the footballs themselves. Ever wonder where they are made? Yes, Wilson is the official maker, but do you know that the factory where the balls are made is in Ada, Ohio? Yup. I've visited the plant many years ago and it's really cool. It's just a small shop that from the outside of the building, you'd never know that they are making all the footballs for the NFL there. Now, here's something that you may not know. In every football there's now an RFID chip placed inside. Yup, just like NASCAR and INDY, they are able to track real time data about the ball in play. The chip acts in part as an accelerometer, providing data such as the speed of the football, its spin and whether it is moving in a spiral or end-over-end. Now, since I'm a diehard Browns fan, and we weren't in the game this year (we'll get'em next year for sure), I really only watched the Super Bowl for the commercials, sorry guys and gals, I just can't help rooting for the underdog. I still remember the days of the Cardiac Kids and how it felt when Brian Sipe would throw a touch-down pass and it was **actually caught!** As far as the commercials, can you believe that Bud Light commercial. I felt that they hit it out of the park with showing how they switched from making beer to canning water for disaster relief this fall. A few of them made me laughed so hard that I started crying. Danny DeVito as an M&M just was too funny.

Wow.. now that the Groundhog has seen his shadow, unfortunately spring isn't gonna' be coming anytime soon. And the weather outside right now is anything but nice. So, unless you've had your head buried in the snow for the past month or so, I want to remind you that this week starts the Winter Olympics. I know that this isn't everyone's cup of tea, but it is really cool to see so many "amateur" athletes in one location, and since we're all going to be inside more due to the winter weather, why not cheer on our USA Team!



I'm still traveling around and visiting with you at Hamfests and club meetings, and yes, breakfasts too! I have been busy updating the Ohio Section Website. The DMR pages are once again getting the bulk of my attention. The latest addition is a new easy to read "How To" on writing your own code plug. I've also updated the DMR Net listing with some new nets that have just been found! And, if you didn't notice above, I've also been doing a little research on who's using the DMR repeaters here in the state. If you didn't read it yet, I'm sure you'll be interested in what I've found.

As I mentioned last week, we are really close to that 650th member goal that I set for another person to get an ARRL ARES Mess Vest. In fact, we are at **648** at last count, and that means that we only need just a couple of more of you to submit your certificates to hit that goal. How about it, I know that there's still a lot of you out there that have not taken the NIMS classes yet. C'mon, what have you got to lose? You're gonna' be stuck inside the house anyway with old man winter blasting away, why not put this time to good use and start your classes now. Here's a link to get you started on your way: <http://arrl-ohio.org/SEC/training.html>

If you have taken them and just haven't gotten them to me, please get them in **NOW..** You can check our database listing anytime. Here's a link to it:

<http://arrl-ohio.org/SEC/special/ICS%20Complete%20by%20County%20and%20Name.pdf>

If we don't have you listed, send me copies of your certificates and copy your E.C. as well. We'll take care of getting you on that list right away. I don't want anyone left behind. Now, if you haven't started your NIMS courses yet, why not. The hand writing is on the wall my friends, it just has to happen. There's been way too many incidences where that training was absolutely necessary. The days of just having your license and being enough are coming to a close. We now have to keep up with the times and be trained!

Did you know that we have a link to the National Weather Service bulletins on the website? We do, you can access it directly from the links bar at the top of the main page or by clicking this link:

<http://arrl-ohio.org/nws.html> This will give you the latest weather bulletins for all of Ohio.

Now, speaking of the National Weather Service.... It's time for all of us to get that Skywarn training for the upcoming season in. How do I find a class? Easy, click on this link and then select which area of the state that you want to get your training from.. <http://arrl-ohio.org/SEC/skywarn.html>

73, for now, I will catch you on down the log for sure, and stay warm my friends, remember the Dayton Hamvention is just 102 days away!!!!

Scott, N8SY... -sk-

[TOP^](#)

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. All of your favorite past newsletters are now archived so that you can go back at any time and read them. Just go to: <http://arrl-ohio.org/news/>





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

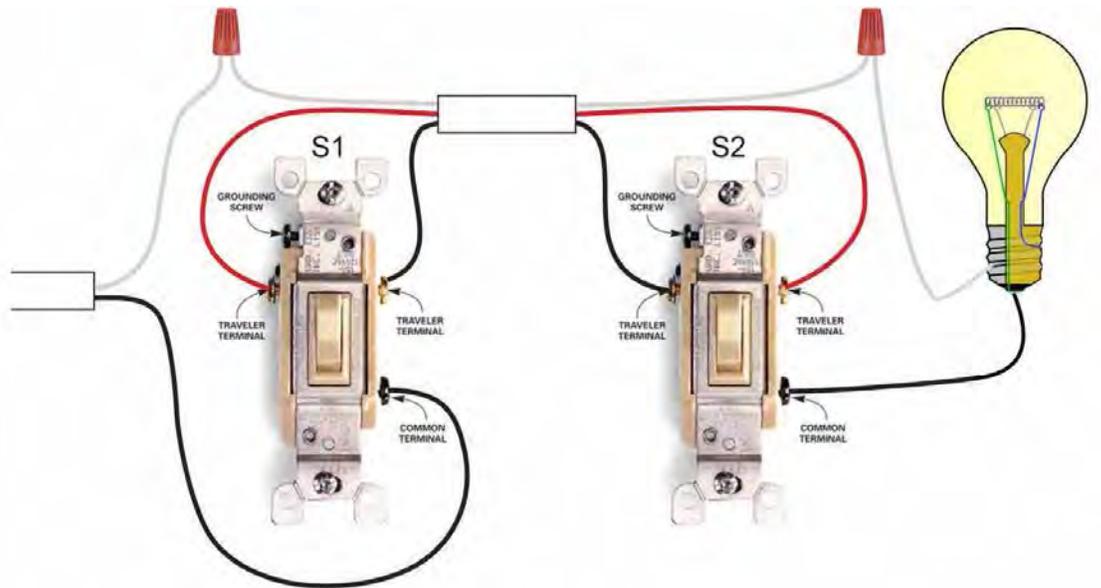
The pictures on the front page are from various newsletters, Facebook posts and/or were sent directly to me in recent weeks. Take a good look at them, you just might be in one of the pictures! "SMILE... you're on Candid Camera!"



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Answer to Electrical Teaser

A 3-way switch utilizes 2 additional wire hookups that you don't have on a normal light switch. They are called travelers. These 2 additional wires allow you to control the light from either switch as the drawing shows. The **Red** and **Black** wires are connected to the switches themselves. These additional connections give you that ability to



control a light at 2 different locations. I do want to mention that these switches are designed to be operated this way, so you can't use just any switch to do this. If you look close at the diagram, you'll see that 3-way switches have an additional terminal on them. This is for the traveler wire. It's what makes this all possible.

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PostScript is produced as a weekly supplement to the Ohio Section Journal (OSJ). I sincerely hope that you have enjoyed this edition of PostScript, 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!