

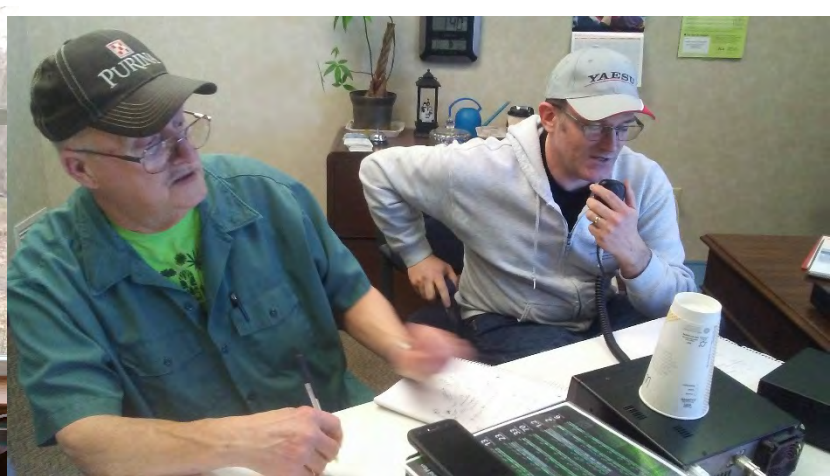


# April 9th Edition



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## **BrandMeister DMR News**

(reprinted from post on [2018-04-03](#) by [BMADMIN](#))

Using correctly formatted user MCC ID on BrandMeister



As DMR made its debut in Amateur Radio, hams had to figure out which numerical identifier to use when programming DMR radios since there was no way to use alphanumeric call signs. It was decided to use 7-digit numbers to identify radio operators; and to setup a public on-line database that provides the correspondence between the Identifier and the amateur radio callsign.

It was further decided that the first 3 digits of the Identifier would follow the [Mobile Country Code numbering](#) as defined in the [ITU-T Recommendation E.212](#). This first 3 digits of the ID you are entering in your DMR radio are therefore identifying your geographical origin :

- 1 – Test networks
- 2 – Europe
- 3 – North America and the Caribbean
- 4 – Asia and the Middle East
- 5 – Oceania
- 6 – Africa
- 7 – South and Central America
- 9 – World-wide

BrandMeister is based on open-standards, which is a critical aspect of the network as it is open to third-party developers. It is therefore critical to stay consistent and follow standards.

We have noticed some users operating on the BrandMeister network with Identifiers starting with the number 1 (example 1118001, a station in Indiana, USA). These numbers do not follow the [MCC numbering standard](#) and therefore it causes issues and confusion in third party systems with region-specific features.

Two organizations exist for issuance of DMR ID's, [DMR-MARC](#) and [Ham-Digital](#). Once it was realized that DMR-MARC started issuing Identifiers outside the already agreed upon MCC numbering standard, administrators and system operators with the BrandMeister network reached out to the leadership with DMR-MARC to come to a viable solution that would rectify this issue and retain the MCC numbering standard. That was nearly 2 years ago. Since then, dozens of attempts were made to reach out to leadership with DMR-MARC to come to a solution to this issue, but those organizations will not communicate back with us regarding this. They have ignored every single attempt BrandMeister leadership has made to them.

While we have left the 1XX Identifiers operating on the BrandMeister network temporarily, the unfortunate result, because of the lack of communication and cooperation from the organizations in charge of issuing ID's, will be the restriction of importing NEW 1XX numbers starting May 1st, 2018.

So, what does this mean: Beginning May 1st, 2018, BrandMeister will stop importing new 1XXYYYYY USA ID's from DMR-MARC. All existing ID's will continue functioning, meaning if you were issued an ID in the 1XXYYYYY format (example 1118001), your ID will continue to work. Any new USA ID's issued in this format after May 1st will no longer.

If you are issued a DMR identifier after May 1st, 2018 that doesn't follow the [MCC numbering standard](#) (i.e. starting with 1XXYYYY) and want to use the BrandMeister DMR network, please make sure to request a correct ID before this deadline.



We truly realize the monumental impact this decision brings to the various BrandMeister sub-networks as well as all the users of BrandMeister this has the potential to affect. Rest assured, we are not giving up, and will continue to reach out to the DMR-MARC leadership before the May 1st cutoff to try and come to a cooperative solution. We encourage you as well, the users, repeater trustees, network administrators, system operators, etc. to reach out to both DMR-MARC and encourage them to have a productive conversation with the BrandMeister admins. Only through cooperation and collaboration will there be a resolution.

[idtheam@dmr-marc.net](mailto:idtheam@dmr-marc.net)

[quescom@dmr-marc.net](mailto:quescom@dmr-marc.net)

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### ***FCC Seizes Equipment from Pirate Broadcasters in Boston*** *(from arrl bulletins)*



The FCC reports that it seized transmission equipment from two pirate radio stations in Boston on March 26. According to court documents, the seizures involved an illegal broadcaster that identified as “Big City” on various FM channels from Dorchester, Massachusetts (with a studio in Roxbury) and pirate “B87.7 FM,” which operated on 87.7 FM from Dorchester. Both unlicensed stations had been issued multiple warnings but continued to operate. Pursuant to federal forfeiture statutes, authorities seized equipment operated by each radio station. The forfeiture actions came in the wake of complaints to the FCC — including one from a licensed broadcaster — about interference, the FCC said.

“When pirate radio stations refuse to cease operations, despite multiple warnings, action must be taken,” US Attorney Andrew E. Lelling said. “It is a public safety hazard for illegal radio stations to broadcast, potentially interfering with critical radio communications. We will work in conjunction with the FCC’s Enforcement Bureau to identify violators of federal communications law.”

Over past year, the FCC has significantly ramped up its enforcement activity against unlicensed broadcasters, netting at least two Amateur Radio licensees alleged to be involved in pirate broadcasting.

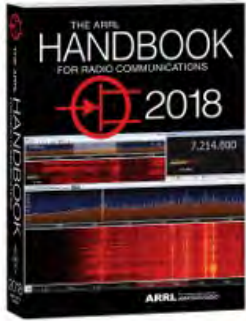
Enforcement Bureau Chief Rosemary Harold said the FCC has been “pursuing multiple legal routes to stop pirate broadcasters,” and that the seizure action in Boston is just one of them. The Communications Act of 1934 prohibits the operation of radio broadcasting equipment above certain low-intensity thresholds (under FCC Part 15) without an FCC license. The Act authorizes the seizure and forfeiture of any electronic or radio frequency equipment used to broadcast without an FCC license.

The US Marshals Service and Boston Police Department provided assistance with the seizure operations. — FCC News Release

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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.

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. And, 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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## *Why can't we add resistors in parallel the same way we would add resistors in series to find the total resistance?*

I thought it would be a fun exercise for all of us and do a little Ohm’s Law work. You remember Ohm’s Law don’t you? You had to learn it to get your license. Try working it out before going back to the [last page](#) for the answer!

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## *Help Wanted*

Are you E.C. caliber? I want to talk to all of you about becoming an Emergency Coordinator (E.C.) in your county. We are extremely fortunate to have a so many dedicated E.C.’s in Ohio. They do their jobs, mostly behind the scenes and without a lot of fan-fare, but it does come with a lot of self-satisfaction for a job well done. Our ARES program is one of the strongest in the country. The stats that Stan listed a few weeks back prove that out for sure!



I’ve talk to many of my counterparts all over the country. I hear them complain about how hard it is to get anyone to step up to the plate now days, and every time these complaints I say a little prayer just to thank my lucky stars we have such a great corps of folks that take their jobs seriously, and with great pride and dedication.

Now, from time to time we do have openings that need to be filled. In particular, we have openings right now for the following counties:

<b>Allen</b>	<b>Fulton</b>	<b>Henry</b>	<b>Mercer</b>
<b>Paulding</b>	<b>Putnam</b>	<b>Logan</b>	<b>Clermont</b>
<b>Warren</b>	<b>Carrol</b>	<b>Portage</b>	<b>Athens</b>
<b>Jackson</b>	<b>Meigs</b>	<b>Perry</b>	<b>Belmont</b>
<b>Harrison</b>	<b>Monroe</b>		

If you noticed, we have filled several of the positions, but we obviously need to have them all filled.

Do you have what it takes to become an E.C. in the Ohio Section? Unlike many other Sections, we are more than just badge wearers for sure! Yes, we do have high expectations, but we do have a lot of fun too. Got questions about what it takes? Call or write me or Stan.

We will show you that we have the best program in the nation, and one that you'll be proud to serve in!

Want to know what it takes to be an E.C. in Ohio? Here's a link for ya'...

<http://arrl-ohio.org/SEC/ARESmanual2015.pdf> Yes, this is a lot of information to absorb. You do have to be an ARRL member, and here in Ohio you are also required to be a Tier I member before you will be considered for the appointment. Now, is this something that you'd like to do? Let me know.

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## *One Question Questionnaire*

Hey Gang...

There's another NEW – one question – questionnaire on the Ohio Section Website!

<http://arrloho.org> I noticed that that around 83% of you said that you watch online videos for Amateur Radio information. Wow.. That's really great!



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... **"How often do you use EchoLink or IRLP?"**

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 Weekly Net Report*

### **April 4th DMR Net**

Unfortunately, I was not available to hear the net live, and it seems that BrandMeister's recording of the net on April 4 was spotty at best. As such, I don't have a breakdown of the individual Districts this week, but I do have the report from the NCS as having **103** check-ins, with a total time of **63** minutes. NCS was K8MDA. I'll try next week to have a full net report and showing the check-ins from each District.



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!

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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### ***Training Opportunities from your Ohio EMA***

The following is just a partial listing of classes that you can attend and get certified for.

- ICS-300 Intermediate ICS, April 9-11, Cuyahoga County
- G271 Hazardous Weather & Flood Preparation, April 9-11, Portage County
- ICS-300 Intermediate ICS, April 9-11, Erie County
- ICS-300 Intermediate ICS (Evening Course), April 9, 11, 16, 18 and 23, Butler County
- G-108 Community Mass Care, April 12-13, Franklin County
- ICS-400 Advanced ICS, April 16-17, Erie County
- ICS-300 Intermediate ICS, April 23-25, Portage County
- G290/291 Public Information Officer/Joint Information Center, April 23-25, Hancock County
- L-548 Continuity of Operations (COOP) Program Manager, April 24 - 25, Ohio EMA
- ICS-300 Intermediate ICS, April 24-25, Noble County
- ICS-300 Intermediate ICS, April 24-26, Summit County
- L146 Homeland Security Exercise & Evaluation (HSEEP) Program, April 24-26, Hamilton County

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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 <<**

**None to report this week**

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## ARRL V.E. Test Sessions

**04/10/2018** | [Cuyahoga Falls OH 44221-3205](#)

**Sponsor:** Cuyahoga Falls ARC  
**Location:** Cuyahoga Falls Library  
**Time:** 7:00 PM (Walk-ins allowed)  
[Learn More](#)

**04/12/2018** | [Milford OH 45150-1427](#)

**Sponsor:** Milford ARC  
**Location:** Faith Church  
**Time:** 6:00 PM (Walk-ins allowed)  
[Learn More](#)

**04/14/2018** | [Delaware OH 43015-8533](#)

**Sponsor:** Delaware ARA  
**Location:** American Red Cross  
**Time:** 10:00 AM (No walk-ins)  
[Learn More](#)

**04/14/2018** | [Hamilton OH 45011](#)

**Sponsor:** Butler Cty ARA  
**Location:** Fairfield Twp Police Det  
**Time:** 9:00 AM (Walk-ins allowed)  
[Learn More](#)

**04/15/2018** | [Elyria OH 44035-1343](#)

**Sponsor:** American Red Cross  
**Location:** American Red Cross  
**Time:** 12:50 PM (Walk-ins allowed)  
[Learn More](#)

**04/10/2018** | [Lancaster OH 43130-3014](#)

**Sponsor:** Lancaster & Fairfield Cnty ARC  
**Location:** American Red Cross  
**Time:** 7:00 PM (Walk-ins allowed)  
[Learn More](#)

**04/14/2018** | [Cuyahoga Falls OH 44223-2504](#)

**Sponsor:** Cuyahoga Falls ARC  
**Location:** Emidio & Sons Expo Center  
**Time:** 9:00 AM (Walk-ins allowed)  
[Learn More](#)

**04/14/2018** | [Findlay OH 45840](#)

**Sponsor:** Findlay Radio Club  
**Location:** Findlay Radio Clubhouse  
**Time:** 9:00 AM (Walk-ins allowed)  
[Learn More](#)

**04/14/2018** | [Huber Heights OH 45424-4143](#)

**Sponsor:** Huber Heights Amateur Radio Cl  
**Location:** The Forge  
**Time:** 9:30 AM (Walk-ins allowed)  
[Learn More](#)

**04/17/2018** | [Sandusky OH 44870-1926](#)

**Sponsor:** Sandusky, Ohio VE Team  
**Location:** Sandusky Radio Club  
**Time:** 7:00 PM (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](#)

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The Stark County ARES in conjunction with the Stark County EMA Office will be sponsoring FEMA ICS Training over the next few months. Training will be for the ICS-200, ICS-700 and ICS-800 certification.

Currently we have scheduled training for the ICS-200 Certification on **Wednesday, April 18th** at the County EMA Office on Route 62 lower level.

There is no cost for the training and it will run from 5:30 PM until about 9:00 PM. Future courses will also be offered based on interest.

Please contact me if you are interested!

Terry Russ, N8ATZ. Emergency Coordinator - Stark Co ARES  
Home 330-837-3091 or cell 330-802-0958

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**Contests – Just for the FUN of it!!**

**April 9**

- [4 States QRP Group Second Sunday Sprint](#)
- [144 MHz Spring Sprint](#)

**April 11**

- [NAQCC CW Sprint](#)
  - [Phone Fray](#)
  - [CWops Mini-CWT Test](#)
- [RSGB 80 meter Club Championship, SSB](#)

**April 12**

[CWops Mini-CWT Test](#)

**April 13**

- [NCCC RTTY Sprint](#)
- [NCCC Sprint](#)

**April 14**

- [QRP ARCI Spring QSO Party](#)
- [JIDX CW Contest](#)
- [OK/OM DX Contest, SSB](#)
- [F9AA Cup, PSK](#)
- [New Mexico QSO Party](#)
- [Georgia QSO Party](#)
- [Yuri Gagarin International DX Contest](#)

**April 15**

- [North Dakota QSO Party](#)
- [Georgia QSO Party](#)
- [WAB 3.5/7/14 MHz Data Modes](#)
- [International Vintage Contest HF](#)
- [Hungarian Straight Key Contest](#)
- [ARRL Rookie Roundup, SSB](#)

**April 16**

- [Run for the Bacon QRP Contest](#)

**April 17**

- [222 MHz Spring Sprint](#)

**April 18**

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

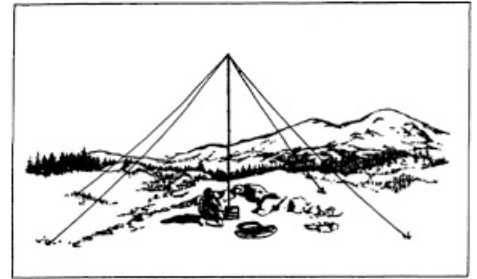
See the [ARRL Contest Calendar](#) for more information. For in-depth reporting on Amateur Radio contesting

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>> *Ohio NVIS Day* <<

Hey everyone, Stan, N8BHL has let me know that the date for NVIS Day is scheduled for **Saturday, April 28th**. Are you ready? Start your planning now!



Like last year, we are planning on having the operation run from 10 – 4 EDT. Take a lunch break, enjoy each other's company. Transmit power should stay at 100 watts for accurate signal comparison. You may operate anywhere, home, club, portable.

Want to know more about what NVIS is? Go to: <http://arrl-ohio.org/SEC/nvis.html> and learn all about Near Vertical Incident Scattering and how you can easily put up a NVIS antenna and participate in this great exercise.

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*Parma Radio Club Celebrates 6<sup>th</sup> Annual Earth Day With Special Event Amateur Radio Station*

This **April 21<sup>st</sup>** the Parma Radio Club will celebrate its 6<sup>th</sup> Earth Day at Stearns Farm located near Parma's city center. Members will be operating multiple amateur radio stations at the historic, educational farm, powered only by energy from the sun. In previous Earth Day operations, the club made contact with numerous U.S., Canadian and South American stations. The public is welcome to attend and receive a station tour between 10am and 2pm.

The club is celebrating its 70<sup>th</sup> anniversary this year, having begun in 1948. The club is attempting to collect as much information about its history as possible. If you have any stories or printed information about the PRC's history your submission would be appreciated.

For more information: [www.parmaradioclub.com](http://www.parmaradioclub.com)

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*Miamisburg Celebrating 200 years*



The City of Miamisburg is celebrating its 200th year this year and the Mound Amateur Radio Association (MARA) is going to be instrumental in lending support for several of the planned activities.

There is a scheduled event every month; however the big celebration will be the week of 16 to 23 June with parades on the two Saturdays. MARA will be providing parade support and the club has been granted a special call, W8M, for use during the two weeks surrounding the parade.

MARA normally has the club call of W8DYY and a webpage at [www.w8dyy.org](http://www.w8dyy.org). MARA has three repeaters and a Monday night net at 1900. The first and fourth Monday's are on 147.195+, the second and fifth Mondays are on 443.000+ p1 88.5 and the third Monday is on 145.330-. The nets on 147.195 and 145.330 can also generally be reached through Echolink, w8dyy-r.

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**Relaxed Learning Session: I'm new to Amateur Radio! Now what?!**  
(from the toledo mobile radio association (TMRA) weekly announcements)

May 5th, 2018 from 9am - 1pm



Maumee Fire Station #2 (rear entrance of building next to blue water tower)

Join Toledo Mobile Radio Association Members at Maumee Fire Station #2 for a learning and Q&A session that should work to help newer Amateur Radio operators get started with some of the practical items that we all wish we knew when starting off in Ham Radio. :

This is going to be a very relaxed learning session which is a great place to get to know TMRA members and for newer amateur radio operators to ask questions related to items they are concerned about. (going more in depth than the class when/if needed)

We'll discuss and help newer hams resolve some of the typical early ham radio challenges including (but not limited to) the following types of discussion items (no specific order);

1. Answer any early questions and discuss list of items that we all have soon after becoming a ham. (and worries that we each had)
2. Discuss Hand-held and mobile radio types / drawbacks and benefits. Who can help me program it?
3. What is needed to setup and use a mobile or "base" radio - in car or in home (and benefits and types).
4. Discuss Effective Radiated Power in terms of Antenna benefits - Discuss types of antennas indoor/outdoor options (and why). Horizontal vs. Vertical antennas.
5. Types of feed line and what you will need (and for what) - and where to find it.
6. VHF/UHF vs HF - Who can I talk to and when?
7. Discuss using local Repeaters, internet linked repeaters, PL Tones, (repeater book/radio reference),
- 8 . Discuss Simplex vs Repeater typical etiquette (just so you know) - Examples: Q signals, calling CQ, breaks, etc.
9. First Contacts – what to expect (most important, you won't be judged so don't "sweat it" .... really...)
10. Hamfests + Ham Conventions. - Why bother?
11. Where should I buy equipment and what are the risks?
12. Useful websites
13. Foxhunting and Satellites - how/where?
14. Where to find manuals and information?
15. If there is time: Antenna Analyzers and SWR Meters - what are they and when do I need one?
16. If there is time: N vs PL-259, vs SMA, versus BNC connectors
17. Benefits of organizations/clubs
18. Foxhunts - what are they and how does it work? Do I need anything?
19. HF - club events (what can I participate with?) - Operating events.

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*This year's theme for the Dayton Hamvention is  
"AMATEUR RADIO.... SERVING THE COMMUNITY"*



Continuing the tradition and in harmony with this year theme, Dayton Hamvention will once again have a setup and display of emergency communications vehicles, an "ECOMM TRUCK RALLEY". The purpose of the display is to promote emergency communications and for groups who build and operate mobile communications facilities to display their equipment and demonstrate their capabilities it's also a chance for the groups to talk about how to develop emergency communications in the field and to exchange ideas with Hamvention visitors.

This is a great opportunity to share your concepts, designs, ideas, layout and equipment for mobile emergency communication in the field and to give others ideas on designing their own unit or updating their existing unit!

We have had displays as simple as a pop up tent to RV style operations. We have had displays from local groups, out of state hospital support teams, Salvation Army, Civil Air Patrol, MARS, DHS and many others.

There will be a meet and greet and "review of the troops" during the event with emergency communications leaders and managers from the ARRL, ARES, MARS and others. This would be a great time to explain your display and your emergency communications program.

It is recommended that your organization have information such as handout or flyers. Also take lots of pictures for possible publication.

There are a few basic rules:

- Setup will be on Thursday May 17, 2018 anytime during the day. Before/ afterhours arrivals by appointment.
- Display area will be in the parking lot of 2017 Hamvention tents.
- Vehicles will not be allowed to leave the display area during active Hamvention hours, but may be driven out after hours.
- Electricity hookups may not be available or some distance away. Bring long extension cords.
- No noisy generators such as construction site type above 65db noise level
- Selling/flee market out of displays prohibited.
- No holes or damage to the blacktop. If you have to use jacks or stabilizers they should have a large footprint or use a 2" thick wooden pad sufficient to distribute the weight of the vehicle.

Hamvention has offered up to four (4) gate passes that allows you entry into the entire Hamvention which are also eligible for the door prizes and one (1) parking pass to the display unit.

We do need the following Contact Name/call:

Agency/Affiliation:

Phone: Email Address:

Size of the unit:

Picture of unit:

A short description of your unit:

Send request to:

Gary Hollenbaugh, NJ8BB

Ecomm Display Coordinator

[ecomm.display@yahoo.com](mailto:ecomm.display@yahoo.com)

<http://hamvention.org/emcomm/>

937-503-7070

Please review QST March 2018 advertisement on page 122 and ARRL news letter dated March 15 2018.  
Website <http://hamvention.org/emcomm/>

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**04/14/2018 | Cuyahoga Falls ARC's 64th Annual Hamfest**

Location: Cuyahoga Falls, OH  
Sponsor: Cuyahoga Falls Amateur Radio Club  
Website: <http://www.cfarc.org/hamfest.php?festnow=2018>



**04/21/2018 | Portsmouth Radio Club Hamfest**

Location: Portsmouth, OH  
Sponsor: Portsmouth Radio Club  
Website: <http://www.facebook.com/groups/portsmouthradioclub/>

**04/28/2018 | 2018 JCARC Hamfest**

Location: Jackson, OH  
Sponsor: Jackson County Amateur Radio Club  
Website: <http://www.jacksoncountyarc.org>

**04/29/2018 | Athens Hamfest**

Location: Athens, OH  
Sponsor: Athens County Amateur Radio Association  
Website: <http://www.ac-ara.org/>

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

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## ***Ohio ARES Changing Training from Tiers to Levels***

Hey Gang,

Stan and I want to announce to all of you that the Ohio Section has changed over our training from a “Tier” system to a “Level” system, and we’ve added a NEW level as well. This is being done in preparation for the sweeping changes coming in the near future coming from ARRL Headquarters. We wanted our systems to be ready for the changes BEFORE they were mandated. Our NIMS Database has already been modified a bit so that you can now see some of the additional training that has been obtained.

So, here’s how the new system will work...

A lot of us worked very hard to obtain our 4 basic NIMS courses over these past years. This training has exceeded the requirements of the ARRL national program for many years, but has since been recognized as just being the start of your training process for ARES.

***Those of you who are already in our system as a Tier I  
will automatically advance into Level 2 of this new system***

\* **Level 1** - (Our former **Tier II**) This is our "Entry" Level. Some may not want to advance beyond this level and that's OK. **Level 1** persons are those who have not completed the 4 basic NIMS (ICS) courses (IS-100, 200, 700 & 800)

\* Don't let this detour you from continuing on however. Most of us will get to the next level if we just have some patience and help each other.

\* If you elect not to get any of this training there are activities that you still be able to participate in (parades, races and similar events.)

\* **Level 2** - (Our former **Tier I**) This is where we hope that everyone will eventually land.

\* This means that you have completed all of the above courses, and you are competent operating within the Incident Command Structure. It also means that you will be eligible to sign up for the Ohio Responds, the state liability insurance

\* **Level 3** - This is our **NEW** Management Level. This level will require you to have completed all of the previous requirements in Level 2, plus the additional NIMS (ICS) courses (IS-300 & 400). This is mostly for management. E.C.'s, D.E.C.'s and higher.

\* The extra courses IS 300/400 are the structure for managing within the EMA office or at an incident scene and they are not everyone's cup of tea.

\* We do recognize that IS-300/400 requires multiple days of actual classroom training that is not easily obtained. Some latitude will be given on when this portion will be fully implemented as a requirement.

*Skywarn training is not mandatory, but is highly recommended for all levels.*

Our objective is to do our best to make sure that you will always exceed the expectations.

We want no one left behind!



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### ***Murphy's Volunteer Fire-brigade Laws***

- If you can't understand it, it is intuitively obvious.



- The more cordial the buyer's secretary, the greater the odds that the competition already has the order.
- In designing any type of construction, no overall dimension can be totaled correctly after 4:30 p.m. on Friday. The correct total will become self-evident at 8:15 a.m. on Monday.

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*Final.. Final..*



Hey Gang...

Wow.. That's all that I can say about Saturday. It was the best Ohio Section ARES Conference ever! I won't rib you if you didn't make it, but I will say this, we had over 125 people in attendance, and no one left until the very end. The speakers were the very best, and everyone got to participate with questions. A few even helped out with some of the answers! It was the best time for all who attended. Don't fret if you missed it, I will have videos of the speakers posted soon. It will be almost like being there that day.

Now, on to another subject... It seems that many of you have taken my challenge about getting on the Ohio ARES DMR net Wednesday evenings and have been checking in. I do believe we are the largest of all the DMR Nets now.

Things have slowed down a bit for the Ohio Section website. Thanks to Greg, WD9FTZ found some changes that needed to be made with the DMR Talk Group listing and of course, we have the changes for ARES, switching over from a Tier System to a Level system.

Ok, I to want to update you on the NIMS count. We now have 679 persons registered in our NIMS database. I'm sure that you've already read who received the Vest. I am once again setting the bar up even higher to get the **700th person** register, and YES, I will send that person an ARRL ARES Mesh Vest! Have you gotten your courses in yet? 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? Here's a link to get you started on your way:

<http://arrl-ohio.org/SEC/training.html>

That's going to do it this time around... I'll catch you on down the log for sure, and stay warm my friends, remember the Dayton Hamvention is just 40 days away!!!!

Scott, N8SY... -sk-

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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://arrl-ohio.org/news/index.html>

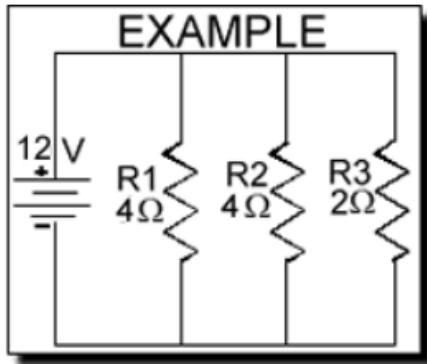
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### ***Answer to the Ohm's Law Question***

If you put two resistors in series, then the current through them will be the same, and the value of that current is the voltage across them divided by the sum of the resistances. In other words, resistors in series increase the resistance, reducing the current.

If you put resistors in parallel, the current through them divides in proportion to the resistances, and the voltage across them are equal. The overall current must increase, because now there is more than one path for the current to take. So, resistors in parallel decrease the resistance and increase the current.

You can't make a decrease in resistance by adding the resistances together. Instead, you have to add the reciprocals of the resistances, and then take the reciprocal of the result. This follows from Ohm's Law and Kirchoff's Current Law.



Let's summarize this EXAMPLE:

Voltage = 12V R1 = 4 Ohm R2 = 4 Ohm R3 = 2 Ohm

Remember that "Rt" means Total resistance of the circuit. R1, R2, etc. are Resistor one, Resistor two, etc.

Now we will apply the formula above to this example:

$$\frac{1}{R_t} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}$$

Therefore:

$$\frac{1}{R_t} = \frac{1}{4} + \frac{1}{4} + \frac{1}{2}$$

It is easiest to change the fractions into decimal numbers (example 1 divide by 4 equals .25):

- $1/R_t = .25 + .25 + .5$
- $1/R_t = 1$

Now you have to get rid of the 1 on the left side so...

- $R_t = 1/1$
- $R_t = 1 \text{ Ohms}$

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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](mailto:n8sy@n8sy.com) and I'll get them added to the Ohio Section Emailing list.



We now have many thousands of readers 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 too. 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](mailto: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 the Ohio Section News!!"



## SORRY FOLKS



**We've reached the end of PostScript!**

**We'll be back next week with  
another great edition...**

[TOP^](#)

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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!*