

→ [National News](#)

→ [Club Corner](#)

→ [DX This Week](#)

→ [VE Testing Schedule](#)

→ [The Handbook Give Away](#)

→ [Hamfests](#)

→ [One Question Questionnaire](#)

→ [Final.. Final..](#)



National News

(from arrl and other sources)

Fake News: Belgian News Magazine Misrepresents Amateur Radio Numbers

The Belgian Dutch-language weekly *The Sunday (de Zondag)* recently reported incorrectly that just 153 Amateur Radio licensees existed in the country, dramatically proclaiming, “Amateur Radio permits have dropped drastically in 5 years,” and asking, “Where have the radio hobbyists gone?” The error was based on a misunderstood parliamentary exchange. The facts are that 153 *new* licenses were issued in Belgium last year, and that 4,702 call signs have been assigned to individuals.

The magazine’s subsequent correction accurately reported “about 5,000 radio amateurs” in Belgium, but introduced another error by stating that the number 153 referred to the number of radio stations (free channels). The story appears to have been pulled from the magazine’s website.

Elsewhere in Europe, statistics in France show a declining ham radio population there, with 13,126 licensees in 2018, a 1.2% drop from a year earlier. That compares with 19,540 hams in France in 1996.

Germany reports 64,476 Amateur Radio licensees in 2018, about the same as a year earlier but reflecting an overall decline. In 2000, Germany boasted 79,380 licensees. — *Thanks to Southgate Amateur Radio News and other sources*

(ed note: there are over 755,000 licensed Amateur Radio operators in the U.S. and growing everyday!)

#####

New Plan Aligns ARES with the Needs of Served Agencies

The new [ARES Plan](#) adopted by the ARRL Board of Directors at its Annual Meeting in January represents an effort to provide ARES with a clearly defined mission, goals, and objectives; specific training requirements, and a system for consistent reporting and record-keeping. The Board’s Public Service Enhancement Working Group (PSEWG) spent more than 3 years crafting the ARES Plan which, ARRL officials believe, provides a much-needed update of the program’s role in public service and emergency preparedness in the 21st century. Concerns focused on bringing ARES into alignment with the National Incident Management System (NIMS) and Incident Command System (ICS), and creating more consistent and standardized ARES training requirements. Given dramatic changes and upgrades in national, regional, and local emergency and disaster response organizations, ARRL faced a major challenge, said ARRL Great Lakes Division Director Dale Williams, WA8EFK, who chaired the PSEWG.



“If we didn’t address these issues, such as training standards and organizational management, ARES faced the very real possibility that it would no longer be viewed as a valid and valuable partner in emergency and disaster relief situations,” Williams said.

With input from ARES members and a peer review team, and the assistance of emergency response officials with some partner organizations, the PSEWG came up with a plan that provides guidelines to ensure that ARES remains a service of organized, trained, qualified, and credentialed Amateur Radio volunteers who can provide public service partners with radio communication expertise, capability, and capacity, Williams added.

A drafted ARES Plan was circulated among ARRL Section Managers (SMs) and Section Emergency Coordinators (ECs) to gather feedback. During the comment period from August through October 2018, the PSEWG heard from 55 ARRL Sections, representing 40 states — more than 125 pages of feedback in all. The PSEWG expressed appreciation to all who submitted comments and ideas.

The PSEWG reviewed every comment and suggestion, identifying about a dozen key items commonly cited by those in the Field Organization to improve the plan.

Based on input from ARES participants, the training requirements in the final ARES Plan consist of the free FEMA Professional Development Series. The series comprises these independent study (IS) courses: 120.c, 230.d, 235.c, 240.d, 241.b, 242.b, and 244.b (as they may be amended), as well as the ARRL's EC-001 and EC-016 emergency communication courses. As part of adopting the ARES Plan, the ARRL Board approved a proposal to make the ARRL EC courses free for ARES members.

The plan highlights some additional training programs that ARES participants are encouraged to consider taking, but that are not required, such as AUXCOMM and training courses like ICS-300 and ICS-400. The ARES Plan outlines a three-tiered membership structure based on increased responsibility levels and accompanying training requirements. Although the tiers are not a required path, they serve to define three distinct ways to participate in the ARES program; it's up to the participant to determine his or her level of involvement.

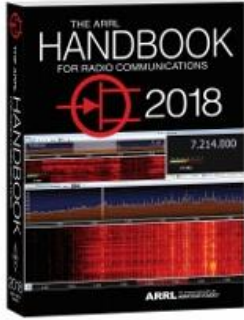
The ARES Plan points out that public service events such as parades and marathons are within the realm of ARES activity and are, in fact, a key part of it, because such events are an integral part of effective training. In recognizing the local and regional nature of emergency communication needs in disaster response activations, the Plan notes that training requirements are ultimately the responsibility of the Section Manager, with each SM approving training for local ARES teams, as local conditions and needs dictate.

The ARES Plan also highlights the relationship between ARES and the National Traffic System (NTS). The PSEWG indicated that it will continue moving forward with efforts to find ways to refine and strengthen that relationship.

While the intent of the ARES Plan is to align the ARES organizational structure with the NIMS and ICS systems, Williams noted that, within the ARES structure, the Emergency Coordinator (EC) will continue to lead the ARES team locally during an incident, while the District and Section Emergency Coordinators will continue to serve as resources and support for the EC. (The emergency preparedness staff at ARRL is in the process of updating the EC manual.) The ARES Plan stresses that ARES participants are not first responders, and it encourages ARES leaders to develop and grow their group's partnerships with state emergency management agencies and officials. Williams said the adoption of the ARES Plan is not the end of this process.

“ARES cannot remain stagnant only to be updated once every few generations,” he said. “The ARES Plan, and the ARES program, must be able to evolve.” Williams added that the ARRL Headquarters emergency preparedness staff will review the program annually to ensure its continued relevance.

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>



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 you club is up to. Are you going to have a special guest at your meeting or are you having a special anniversary? Just sent it to:

n8sy@n8sy.com



#####

TMRA Holding Classes

SPRING TECHNICIANS (Entry Level) HAM RADIO LICENSE CLASS (2 DAY COURSE) -

NOTE: Two separate days (**March 23rd, and April 6th**), with test session on April 6th at end of class.

The TMRA Education Committee has released the schedule for the Spring Technicians Class. The class schedule will follow our traditional style. Two classes held two weeks apart and a V.E. Testing Session after the final class. The Class is FREE, you will have to provide your own book, or one can be purchased from the TMRA (\$25.00). (ARRL Edition 4 book) The testing session will cost \$15.00 which is the standard fee set by the ARRL.

THE DATES ARE AS LISTED BELOW

* CLASS ONE WILL BE HELD ON SATURDAY MARCH 23RD, 2019 FROM 08:00 TILL 17:00

[TOP ^](#)

* CLASS TWO WILL BE HELD ON SATURDAY APRIL 6TH, 2019 FROM 08:00 TILL 17:00 (This includes the V.E.Session)

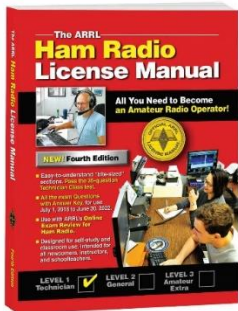
Both classes will be held at
LUCAS COUNTY EMS TRAINING CENTER
2127 JEFFERSON AVE
TOLEDO OHIO 43624

To Enroll in the Class, or for more Information please contact
STEVE STALKER / KC8TVW
419-467-3734
kc8tvw@arrrl.net

Also, please join us for a 4 hour follow-on class on April 13th (9am) called, "I now have my ham radio License, now what?". This class is intended to help get newly licensed hams started with additional needed information. Location is TBD.

#####

Connections: Ham Radio Class "Getting Your Technician Class License"



Instructor: Alan Jones, N8WQ
Faith United Methodist Church
15 West Columbus Street
Canal Winchester, Ohio

The Class is FREE, however, you will have to provide your own book which is published by the ARRL. You can buy your book directly from the ARRL or from Amazon.

<http://www.arrrl.org/shop/ARRL-Ham-Radio-License-Manual-4th-Edition-Softcover/>

https://www.amazon.com/ARRL-Radio-License-Manual-Spiral/dp/1625950829/ref=sr_1_1?s=books&ie=UTF8&qid=1548331756&sr=1-1&keywords=arrrl+ham+radio+license+manual+4th+edition

We will study the electronics theory and go over testing material necessary to help prepare you for passing your Technician exam. The Technician class will start on **March 3rd** from 4:00 PM TILL 5:30 PM and will continue every Sunday until the last session on April 7th.

Instructions will be provided about scheduling your exam: including date, time, and location of testing sites in Central Ohio. We look forward to seeing you in class!

Need more information? Contact Alan at: olanjones@gmail.com

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CARS 2019 Winter Ham Radio classes - get your Technician, General or Extra class license!

Thursday evenings starting **February 28, 2019** and ending April 11, 2019 at 6:30 pm April 11th 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 216-932-8005 Dave, KD8ACO.

Classes will be held at the Seven Hills 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 2019, General and Extra \$20.00 nonmembers or Extra is \$15.00 CARS members, General class ONLY is **FREE to CARS members** All class materials are provided.

#####

New Ham - Info Class - Saturday, April 13, 2019 at 9 AM – 1 PM

Relaxed Learning Session: I'm new to Amateur Radio! Now what?!

Join Toledo Mobile Radio Association Members at the Lucas County EMS Training Center for a FREE learning and Q&A session that should work to help you get started with some of the practical items that we all wish we knew when starting off in Ham Radio. Any/everyone is welcome and you do not have to have attended the class to attend. Most hams licensed less than 3 years will find the session useful.

This session will be run as a "class" but is open to ANY questions along the way. Folks are free to come and go as you wish. This training session 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 or need help with. We know that this hobby has a lot of new items for everyone to get familiar with, so this is an attempt to short-cut that learning!

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

- Answer any early questions and discuss list of items that we all have soon after becoming a ham. (and worries that we each had)
- Discuss Hand-held and mobile radio types / drawbacks and benefits. Who can help me program it? How can I make my HT more effective?
- What is needed to setup and use a mobile or "base" radio - in car or in home (and benefits and types).
- Discuss Effective Radiated Power in terms of Antenna benefits - Discuss types of antennas indoor/outdoor options (and why). Horizontal vs. Vertical antennas.
- Types of feedline (we often refer to "coax) and what you will need (and for what) - and where to find it.
- VHF/UHF vs HF - Who can I talk to and when?

[TOP ^](#)

- Discuss using local Repeaters, internet linked repeaters, PL Tones, (repeaterbook/radio reference)
- Discuss Simplex vs Repeater typical etiquette (just so you know) - Examples: Q signals, calling CQ, breaks, etc.
- First Contacts – what to expect (most important, you won't be judged so don't "sweat it".... really...)
- Hamfests + Ham Conventions.- Why bother?
- Where should I buy equipment and what are the risks?
- Useful websites
- Foxhunting and Satellites - how/where?
- Where to find manuals and information?
- If there is time: Antenna Analyzers and SWR Meters - what are they and when do I need one?
- If there is time: N vs PL-259, vs SMA, versus BNC connectors
- Benefits of joining organizations/clubs
- Foxhunts - what are they and how does it work? Do I need anything?
- HF - club events (what can I participate with?) - Operating events.
- Callsigns, vanity and considerations
- QSL Cards and Logbook of the World
- Propagation - Tropo ducting, Sporadic E, Aurora, sunspot cycle, seasonal patterns

We look forward to seeing you there!

Pioneer Bus Trip to Hamvention



It is never too early to plan a trip to Hamvention. Each year the Pioneer Amateur Radio Fellowship has offered to bus hams to this great event. The bus leaves at 5:30 AM the Saturday of Hamvention, it does stop at McDonald's for breakfast and arrives at Hamvention about 9am, just in time for the doors to be open. The bus leaves around 5pm and stops for a buffet for supper! You won't go hungry on this trip for sure! You arrive back at the pickup point about 9:30pm, so it's not too late, but you will have had a full day for sure.

The bus has a number of very large storage areas for all your purchases, so you don't have to worry if you'll have room for that "just can't do without boat anchor!"

[Click Here](#) to read the flier and the form used to register for this trip.

Upcoming Hamfests

03/03/2019 | WINTER HAMFEST

Location: Elyria, OH

Sponsor: Northern Ohio Amateur Radio Society

Website: <http://noars.net/winter-hamfest>



03/16/2019 | Gallipolis Ohio Hamfest

Location: Gallipolis, OH

Sponsor: Mid-Ohio Valley Amateur Radio Club

03/17/2019 | Hamfest and Computer Fair

Location: Perrysburg, OH

Sponsor: Toledo Mobile Radio Association

Website: <http://www.tmrahamradio.org>

04/13/2019 | 65th Annual Cuyahoga Falls Amateur Radio Club Hamfest

Location: Cuyahoga Falls, OH

Type: ARRL Hamfest

Sponsor: The Cuyahoga Falls ARClub, Inc.

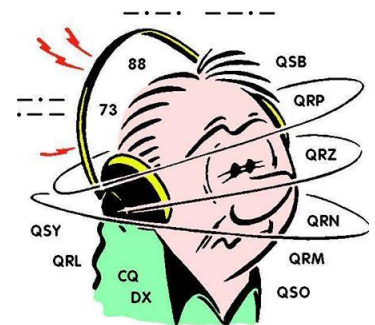
Website: <http://cfarc.org>

DX This Week

(from Bill, AJ8B)

Bill AJ8B (aj8b@arrl.net, @AJ8B, www.aj8b.com or www.swodxa.org)
CWOPs Member #1567

For years, Uncle Frank had challenged me to really "up my game" on the CW front. He had cut his teeth on the National Traffic System and was the best CW Op I knew at the time. Frank could drive out from Boston to Dayton with his TenTec mounted in the Toyota, sending CW the whole trip; and he never got lost!



Another excellent CW operator that I worked with was Larry, W9SWM (Short-Wave Man) We worked Field Day together from the DARA van and we took the night shift on 40 meters. Larry could copy guys I could not hear. Finally, Larry taught me the finer points and I was really hooked. Larry was also a traffic handler and that really moved him up the ladder quickly.

In more recent years, I was fortunate enough to have a QSO with Jack, W0UCE (SK). One thing led to another and Jack introduced me to the CW Ops club. He was one of the finest CW operators I have ever heard and was a topnotch teacher.

[TOP ^](#)

Last week, I discussed the CW Ops club. This week we can discuss CW Academy. PLEASE, email me if you have any questions about CWA.

CW Academy

By Bill, AJ8B CW ops ID #1567



CW Academy (CWA) is an internet-based Morse code training curriculum. CWA was formed to directly address growing problems including a lack of skilled advisors, lack of training in sending and the geographical dispersion of interested students. The solution was to organize a volunteer group of CW skilled advisors, provide training in sending AND copying and to use online video/audio conferencing for training. The results have been nothing short of amazing. We have been averaging over 80 students per semester and 80% of those complete the program. In addition, a growing number surpass the 25- wpm rate, and some become CW Academy advisors! Currently CWA is staffed by CW ops and its members. There are over 20 volunteer advisors. It is a unique training program that has three levels. The program is given three times per year with each semester lasting 8 weeks.

The 3 levels of training are broken out as Level 1 (beginners), Level 2 (those with speed above 10 wpm and below 20 wpm) and Level 3. (for those with speeds above 20 wpm) CWA is held three times per year – Jan-Feb, Apr -May and Sep-Oct. Each eight-week semester typically has groups of 5 students (or less) with an assigned advisor who meets ‘online’ two evenings per week for about 45 minutes per session. Level 1 spends 5 weeks learning all Morse characters, numbers, some punctuation, useful Q-signs. The remaining 3 weeks are spent doing simulated CW QSO’ing, contesting, and DX pile-up training. The objective of Level 1 is to attain speeds above 10 wpm, to attain skill with QSO protocols, to get acquainted with CW contesting and DX’ing



Level 2 is tailored to the aspirations of the students in each group. It stresses improved head copying skills, better sending, further training in QSO’ing, contesting, and DX’ing. The objective of level 2 is to attain speeds above 20-wpm, to attain skill with QSO protocols, to gain experience with CW contesting and DX’ing

Level 3 is also tailored to the aspirations of the students in each group. It stresses improved head copying skills, better sending, further training in QSO’ing, contesting, and DX’ing. The objective to Level 3 is basically the same as Level 2 but at 25 WPM and above, namely, to attain speeds above 25- wpm, to attain skill with QSO protocols, to gain experience with CW contesting and DX’ing.

From our friend at the DailyDX and the WeeklyDX, and the best source for DX information, (<http://www.dailydx.com/>) Bernie has this to report:

E5 - South Cook Islands - DK2HM, Hans-Martin, updates us on his trip to Rarotonga next month. He'll be running an IC-706MK2G with an HLa 300+ amplifier running 350 watts into a Windom Dipole (80-10), EFHW (80-10) as well a beam from one of the locals shack. Listen for E51HMK from March 14-22 on 80 through 10 Meters running SSB, Digi and FT8. Logs will be uploaded to Club Log and LoTW. Hans-Martin now has his Website up and running at www.southcook2019.com. QSL via DK2HM and OQRS at Club Log.

[TOP ^](#)

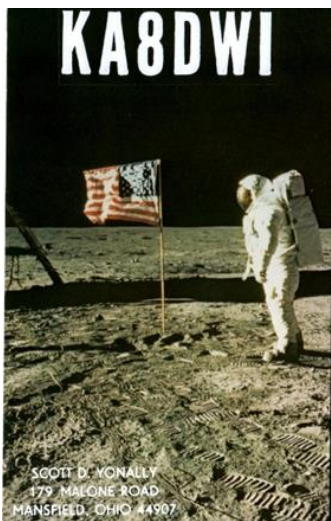
HC8 - Galapagos Islands - WB2REM, Jim, reminds us he along with W2WCM and HC5DX will be active from Santa Cruz Island (SA-004) as HD8M from February 27 to March 6. They will be operating on 160 through 10 Meters on SSB, CW and FT8 DX-pedition mode. This will include "the first DX-pedition to legally operate on 60 meters from the Galapagos" Islands. They plan to also participate in the ARRL DX SSB Contest. QSL via WB2REM.

HK0/A - San Andres and Providencia - VE2FDJ, Jean Coriveau, informs us he will be operating as 5J0JC from Providencia (NA-049) from February 15- 27. Listen for him on SSB on 80, 40, 20 and 6 meters. QSL direct or via the bureau to his home call, VE2FDJ.

E5 - South Cook and North Cook Islands - DM7PQ, Dagmar, announces (<https://www.qrz.com/db/E51NPQ>) he and DL1AUZ, Rainer, they will be operating holiday style as E51NPQ and E51AUZ respectively during March and April. Plans are to stay on Rarotonga (OC-013), South Cooks from March 9-11 and April 2-11. They will also go to Aitutaki (OC-083), South Cooks from March 27-31. Listen for them on Manihiki (OC-014) in the North Cooks from March 13-25. Their station is a K2 to an amplifier, 500 watts, then wires and verticals. They plan 160-10M operating, CW. They will upload to Club Log if they have internet access and LoTW "later.

More info can be found at www.swodxa.org or www.aj8b.com

ARLD008 DX news



This week's bulletin was made possible with information provided by AA4NC, F4EBK, W2AIV, W3UR, WB2REM, The Daily DX, The OPDX Bulletin, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

MAURITANIA, 5T. Johannes, PA5X is QRV as 5T5PA from Nouadhibou and is here for six months. Activity is in his spare time on 160 to 6 meters using SSB, RTTY and FT8. QSL via LoTW.

SENEGAL, 6W. Willy, ON4AVT is QRV as 6W7/ON4AVT from Warang until March 30. Activity is on the HF bands, including 60 meters, using CW, PSK, and possibly FT8. QSL to home call.

PHILIPPINES, DU. Christian, F4EBK is QRV as DU3/F4EBK from Luzon Island, IOTA OC-042, until March 31. Activity is on 20, 15 and 10 meters using SSB. QSL to home call.

NEW CALEDONIA, GK. Arnaud, JG1XMV will be QRV as FK/JG1XMV from Grand Terre Island, IOTA OC-032, from February 23 to March 10. This also includes a visit to Mare Island, IOTA OC-033, and a few other islands as well. Activity will be on 40, 20, 17 and 15 meters using only SSB. QSL to home call.

GALAPAGOS ISLANDS, HC8. A group of operators will be QRV as HD8M from Santa Cruz Island, IOTA SA-004, from February 27 to March 6. Activity will be on 160 to 10 meters, including 60 meters, using CW, SSB, and FT8 in DXpedition mode. This includes being active in the upcoming ARRL International DX SSB contest. QSL via WB2REM.

[TOP ^](#)

SAN ANDRES AND PROVIDENCIA, HK0. Jean, VE2FDJ is QRV as 5J0JC from San Andres Island, IOTA NA-049, until February 27. Activity is on 80, 40, 20 and 6 meters using only SSB. QSL to home call.

PANAMA, HP. Special event station H31A is QRV until August 15 in celebration of the 500th anniversary of the founding of Panama City.

Activity is on 80 to 10 meters using mostly RTTY, PSK31 and FT8 with some SSB. QSL via HP1AVS.

HONDURAS, HR. Dennis, W1UE is QRV as either HQ9X or W1UE/HR9 from Roatan Island, IOTA NA 057, until February 26. He is QRV as HQ9X in the CQ World Wide 160 Meter SSB contest. Activity includes being on 160 and 80 meters during his evening hours, as well as 60 meters. QSL via KQ1F.

TUVALU, T2. Tony, 3D2AG is QRV as T2AR until February 27. He is active in his spare time on 160, 80, 60 and 40 meters using CW, with some SSB, RTTY and FT8. Tili, T2AT is also active during these days using FT8. QSL T2AR to home call and T2AT via N7MSI.

EAST KIRIBATI, T32. Ken, KH6QJ will be QRV as T32AZ from Kirimati Island, IOTA OC-024, from February 28 to March 5. Activity will be on the HF bands. This includes being an entry in the upcoming ARRL International DX SSB contest. QSL to home call.

TURKEY, TA. Members of the Giresun Radio Amateur and Sports Club are QRV with special event call TC10GITRAD until the end of 2019 to celebrate the club's 10th anniversary. QSL via bureau.

BELIZE, V3. Will, AA4NC is QRV as V31NC from Placencia until March 13. Activity is holiday style on 80 to 6 meters using CW, SSB, RTTY and possibly FT8. This includes being a Single Op/All Band entry in the upcoming ARRL International DX SSB contest. QSL via EA5GL. In addition, George, W2AIV will also be QRV as V31GF from Placencia from February 23 to March 2. Activity will be on 40 and 20 meters, and possibly 15 and 10 meters, using SSB with some CW and PSK31. QSL via LoTW.

THIS WEEKEND ON THE RADIO. The CQ 160-Meter SSB Contest, North American RTTY QSO Party, North American Collegiate RTTY Championship, NCCC RTTY Sprint, QRP 80-Meter CW Fox Hunt, NCCC Sprint CW Ladder, REF SSB Contest, UBA DX CW Contest, South Carolina QSO Party, High Speed Club CW Contest, Classic Phone Exchange, SARL Digital Contest and North Carolina QSO Party are all on tap for this weekend.

The SKCC CW Sprint, UKEICC 80-Meter CW Contest, CWops Mini-CWT CW Test, Phone Fray and The QRP 40-Meter CW Fox Hunt are scheduled for February 27.

The Canadian National Parks on the Air, CNPOTA, operating event runs for the entire year of 2019, with special stations active from Canada's parks and historic sites.

Please see February 2019 QST, page 91, and the ARRL and WA7BNM Contest Web Sites for details.

Special Events

- **04/13/2019 | 7th Annual Earth Day Celebration**

Apr 13, 1500Z-2000Z, W8PRC, Cleveland, OH. Parma Radio Club. 14.245 7.195. QSL. Parma Radio Club, 8111 Laumer Ave., Cleveland, OH 44105. Our 7th Annual Earth Day Celebration. Operating on solar power from historic, educational Stearns Farm in the Parma, Ohio town center. www.parmaradioclub.com

ARRL Contest Corner



An expanded, downloadable version of *QST*'s [Contest Corral](#) is available as a PDF. Check the sponsor's Web site for information on operating time restrictions and other instructions.

MARCH

- *International DX Contest* - Phone: First full weekend in March, 0000 UTC Saturday through 2359 UTC Sunday.

One Question Questionnaire



Hey Gang

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

This past week's poll has shown some interesting facts. Only about 37% of you are using the new ARES Connect. Wow.. with the possibility of receiving free goodies for the ones using the system the most, I would have thought many more of you would have been enticed by now to start using the system more and more. Guess you're not interested in being eligible to get a handbook or great looking sweatshirt!! All you have to do is start using the new ARES Connect system!

Anyway, these questions are all in fun and I hope that you are enjoying answering these "ONE QUESTION" questionnaires. Ok, enough on that, here's the next question for you to answer...

Now, with ARES Connect being the talk of many club meetings, I would like to know the following question.

"Do you use conductive grease on your outside connectors before you seal them?"

You'll find the "One Question" questionnaire on the Ohio Section Website! <http://arrlohio.org> It's all in fun and it's not a scientific survey in any way, but we are learning some things that we didn't know from these questions. I hope that you are enjoying answering these "One Question" questionnaires.

[TOP^](#)

V.E. Test Sessions

(from arrl)

03/02/2019 | [Bryan OH 43506-8410](#)
Sponsor: Williams County ARC
Location: Williams County 911/EMA
Time: 10:00 AM (Walk-ins allowed)
[Learn More](#)

03/07/2019 | [London OH 43140](#)
Sponsor: MCARC
Location: Madison County Engineer's Office
Time: 7:00 PM (Walk-ins allowed)
[Learn More](#)

03/07/2019 | [Youngstown OH 44505-1400](#)
Sponsor: Mahoning ARA
Location: Red Cross
Time: 7:00 PM (Walk-ins allowed)
[Learn More](#)

03/09/2019 | [Findlay OH 45840](#)
Sponsor: Findlay Radio Club
Location: Findlay Radio Clubhouse
Time: 9:00 AM (Walk-ins allowed)
[Learn More](#)

03/10/2019 | [Independence OH 44131-4841](#)
Sponsor: Cuyahoga ARS
Location: Old Elmwood Recreation Center
Time: 9:00 AM (Walk-ins allowed)
[Learn More](#)

03/11/2019 | [Athens OH 45701-2059](#)
Sponsor: Athens Cty ARA
Location: Red Cross Southeastern Ohio
Time: 7:00 PM (Walk-ins allowed)
[Learn More](#)

03/12/2019 | [Lancaster OH 43130](#)
Sponsor: Lancaster & Fairfield ARC
Location: After School Programs Lancaster
Time: 7:00 PM (Walk-ins allowed)
[Learn More](#)

03/14/2019 | [Milford OH 45150-1427](#)
Sponsor: Milford ARC
Location: Faith Church
Time: 6:00 PM (Walk-ins allowed)
[Learn More](#)

03/16/2019 | [Lisbon OH 44432-1233](#)
Sponsor: Lisbon Area Amt Radio Assoc
Location: Columbiana County Emergency Management
Time: 1:30 PM (No Walk-ins / Call ahead)
[Learn More](#)

03/17/2019 | [Elyria OH 44035-1343](#)
Sponsor: American Red Cross
Location: American Red Cross
Time: 12:50 PM (Walk-ins allowed)
[Learn More](#)

ARES Connect

CQ... CQ.... CQ... Calling all persons to be a part of the new ARES Connect program.

We need to discuss some very important items that only YOU can make a difference with. I need you to get yourselves registered in ARES Connect, that is... if you haven't already. Now, how do I know that you need to do this? It's simple, we have a little over 900 now registered in the database with about 521 persons actually signing up for events.

Stan's last S.E.C. report shows that we have a little over 1,700 persons in ARES right now. As you can see, we still have a way to go to really take advantage of this new system.

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As the numbers show, there's still a lot of you that haven't taken the plunge yet and need to! What are you waiting for? No matter how much you resist, it's coming, and we need to make sure that no one is left behind.

Now, as an incentive to get you to not only register.... But to actually start using the system... (Notice how I have that in bold type for you to clearly see?) I am giving away all sorts of goodies to help you get motivated. I have a footlocker of really cool items that I will be giving away!

ARES Connect

Instructions to Register

Enter ARES Connect

I'm doing this in various intervals throughout the year, so it will challenge you to be dedicated to getting your hours into the system. You'll never know just when another drawing will be, so you really do have to be prudent!!

Here's how it looks as of 23 February:

	Name	Events	Hours
1	Mathew Nickoson (KC8NZJ)	6	100.25
2	Timothy Lovejoy (NC8OS)	21	80.75
3	Christopher Domenick (KC8CAD)	26	67.51
4	James Yoder (w8erw)	6	54.25
5	Bret Stemen (KD8SCL)	10	44.00
6	Michael Farkas (n8gbu)	29	25.75
7	Dan Stahl (KC8PBU)	39	23.25
8	Harry Mains II (N8XMI)	8	17.50
9	John Major (KD8MMY)	11	17.50
10	Alan Rothweiler (KD8TNS)	6	17.00

Here's how we did with people getting signed up for events and the total hours logged so far in February

Total Amount signed into Events	Total Hours for Events
992	2,027.12

Don't think that you could ever get into the top 10 listing? You never know. It adds up quickly, but you do have to be registered and actually USE the system in order for any of your time to count. We have a set of instructions on how to get registered right above the button to enter ARES Connect. I would strongly suggest that if you haven't registered yet, that you read these instructions first. Here's a link to get you started... http://arrl-ohio.org/ares_connect_directions.pdf Please, don't just hurry through the questions, read them carefully, if you don't understand something, please ask me, I'm here to answer your questions.

We know that you mean well by answering that you do have the needed courses in, but I will let you know that we are verifying what you say you have with what is showing for you in our statewide database when we are completing your registration. So, how can you find out if you are already listed in our statewide database? Easy, here's a link: <http://arrl-ohio.org/SEC/special/ICS%20Complete%20by%20County%20and%20Name.pdf>

Incident Command System (ICS) Training Schedule

All current trainings are listed on the Ohio EMA training calendar located at:

<https://webeoctraining.dps.ohio.gov/TrainingAndExercise/courselist.aspx>

I've been asked to also include a link to the Kentucky EMA training calendar as well..

<https://kyem.ky.gov/training/Pages/default.aspx>

<https://sites.google.com/site/ccoemtraining/home>



Please pay particular attention to these courses listed above, as that there's a lot of ICS 300 & 400 classes listed that are very useful for all Amateurs to have under their belts. I will also state that G775 is also a very good course to take as well. These 3 courses are multiple day in class courses, so please be prepared to spend some time taking them.

We do recognize that IS-300/400 requires multiple days of actual classroom training that is not easily obtained. So, if you just can't find the time to fit these class room courses in, we do have an alternative method for getting you to Level 3. Completing the following **“FREE”** and **“ONLINE”** courses will act as substitute for you FEMA Leadership Development Course requirements. You absolutely will need to complete all **7** of these courses to get your ICS 300/400 credit. Here are the courses that you need to take: **IS-120, 230, 240, 241, 242, 244 & 288.**

A special comment from me..

I would like to remind any of you that are going to take any of the in-class training sessions that you dress appropriately. Please don't go into these classes with attire that doesn't represent you, and Amateur Radio in the best of light. Want to Make a Good Impression? Wear the Professional-Appearing ARES Polo Shirt that you can purchase from ARRL.

I won't tell you that we have a dress code, but I do feel that you absolutely need to go in to any meeting or class with a clean appearance. That's just common courtesy to all of those in the meeting with you.

I have heard from officials around the state about your appearance at meetings / classes that they have attended. I have to say, some of you your appearance did stick with them, and not in a good light either! Some folks have asked me since I'm not saying that we have a dress code, what attire is appropriate to wear? Just look at any of these meetings with your served agencies as being that special date night with your wife! A clean shirt and pants. Throw that moldy, dirty hat with all the badges taped, pinned or just stuck on with spit in the closet. Comb your hair. Look “Professional.” If you want the real answer as to how you should dress, just take a look around the room. How is the police or fire chief dressed? How is the mayor, or other government officials dressed? Did they come to work in jeans and T-shirts? No..

Remember, you will be in class most of the day or week with fire / police chiefs, mayors, township trustees and a whole host of other government and civil officials that do remember how you represented Amateur Radio while you were in these classes with them. Ok.. nuff said on that subject. I know that you now have the idea.

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EMA-G290/291 Basic Public Information Officer Series

Hosted by Franklin County EMA

June 12-14

Application deadline: June 5th

Time of Course: Registration: 7:45 - 8:00 AM

Course time: 8:00 AM – 5:00 PM daily

Location: Franklin County Emergency Management and Homeland Security

5300 Strawberry Farms Blvd.

Columbus, Ohio 43230

Enrollment: Students must enroll via the Department of Public Safety Training Campus website:

<https://trainingcampus.dps.ohio.gov/cm/cm710/pstc/pstc.html>.

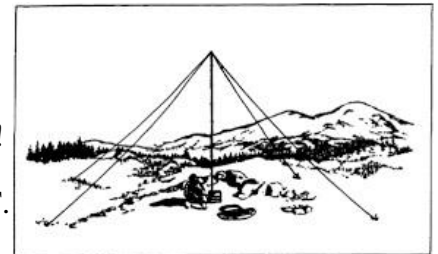
Students experiencing difficulty enrolling should call Ohio EMA Training at (614) 799-3666 / 3824 for assistance with registration. Course registration will generally close 10 working days prior to the course start date. You can check your enrollment / approval status via the Department of Public Safety Training Campus website.

State Point of Contact: Susan Traylor, State Training Coordinator, Ohio Emergency Management Agency, (614) 799-3666, sctraylor@dps.ohio.gov

2019 Ohio NVIS Day

Hey everyone, Stan, N8BHL has let me know that the date for NVIS Day is scheduled for **Saturday, April 27th**. Are you ready? Start your planning now!

Like years past, we are planning on having the operation run from 10 – 4 EDT. Take a lunch break, enjoy each other's company.

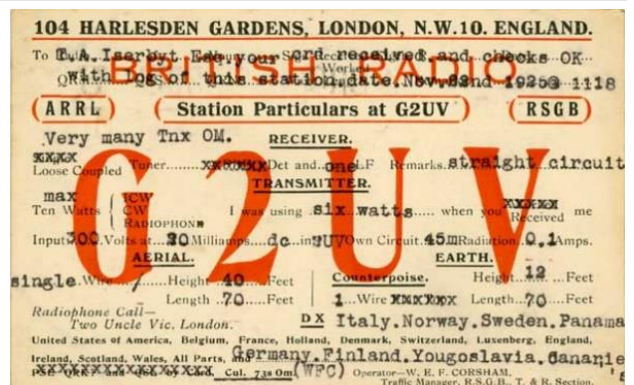


Transmit power should stay at 100 watts for accurate signal comparison. You may operate anywhere, home, club, portable.

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

You've Got Cards – Waiting

Hey Gang, here's a new department for you to keep an eye on and it has already shed fruit for some of you. Yes, it's about QSL Cards without owners. Why without owners? The card sorters have the cards waiting, but they don't have a way to get these cards to their owners.



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Now, if your call sign is listed here, and according to our One Question Poll this week, some of you do recognize these call signs!! Now, we just need these folks to contact their QSL Card sorter to find out how to get their cards sent to them. **Don't send anything to them until you've had a chance to contact them first and find out just what you need to do.**

NEW → Here's some folks from the "8V" call signs that have cards waiting.. Glenn, AF8C is the "8V" bureau letter manager.

WA8VA; KG8V; KB8VSF; W8VRT; W8VHO; KR8V; AA8VL; NA8V; W8VCI; KD8VYI; KB8VCV; W8VF; AK8V; W8VKO; NV8V; N8VFJ(WV8EM); KU8V; K8V(W8CDB); KC8VRT; WB8VWI; KC8VUT; N8VW; KG8VV; N8VY; WB8VWO(EXP); N8VZX; W8VZM; KA8VZB; K8VZ; N8VZL; K8VYA; K8VY; KD8VVX; N8VVU; W8VV; AC8VV; KD8VVL; N8VVP; W8VXH; N8VX; AB8VX; K8VWX; KC8VWM; KC8VWZ; KB8VUM; KD8VUY; WA8VTD; KF8VS; N8VSI; KA8VSH; N8VS; WA8VRS; N8VRX; KC8VRT; KC8VR; K8VQ; W8VQT; K8VQC; WB8VPA; W8VO; KD8VOM; N8VNE; KC8VML; K8VMC; W8VMM; WB8VLC; WB8VLO; W8VKO; KC8VJD; KD8VII; KB8VIN; N8VIL; KD8VIC; KD8VHE; WB8VGE; KD8VGH; N8VE; W8VE; K8VD; N8VCF; K8VC; WB8VCR; K8VCP; W8VCI; W8VCL; N8VBW; KD8VAE; NI8V; KC8V; KA8V; AB8V

Additional cards were discovered and they are for: **K8VA, W8VP, KB8VMO, K8VOX, and W8VVE**

Recognize your call sign? Do you know anyone in the above listing? If you do please, contact Glen at: af8c@alumni.caltech.edu

Weather Underground and Other Ham Weather Stations



Have you visited the webpage to see all the Weather Underground stations yet? It's really fun to see just how much the weather varies across the state and this gives you access to each individual station very quickly and easily.

It seems that our list of stations is growing every week! This past week we added another station to the list. Thanks so much Bill, KC8AAS and Dustin, W8DRH for sending their links to their stations.

Now... How's about your station, is it listed with us? Like Dustin's, it doesn't necessarily have to be a Weather Underground reporting station. I'd love to have any weather station that is connected to the internet available for all of us to view, especially when the weather gets bad out. The more stations reporting the better.



Thanks to everyone who has contributed to this effort. If you haven't, you really should take a look at the various weather stations around the state when we get bad weather coming in. You can really see just where the line of storms are as they cross through the state. It is very fascinating to watch it all unfold right you're your easy chair, and all the data is real time! Here's a link to all of those listed... <http://arrl-ohio.org/wus.html>

We're starting to get a really good collection of stations all over. I know that there is a lot more than what we have listed. How's about sharing your weather information with all of us! All that you need to do is send me your Weather Underground ID and your call sign and I'll take it from there. Sent it to: n8sy@n8sy.com

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Skywarn Net Frequencies



Hey Gang,

It's come to our attention that we really don't have a good listing of all the Skywarn Net frequencies all around Ohio. As we have gotten a lot of new to Amateur Radio folks this past year or so, it would be very helpful to them, and us to have this type of information readily available. Yes, I know it's only February and we shouldn't have to think about this yet, especially since we just got over a super cold spell a couple of days ago. But we really do need to start working on this now so that we are prepared for when the weather does get warmer.

I don't believe that this type of list has ever really been perused by anyone where it was published somewhere for all to use. I could be wrong about that but even if it were, this type of information is forever changing and needs to be updated on a pretty regular basis since repeaters move, PL tones change and even who does the net changes all the time. Just look at how we've grown the DMR repeaters in Ohio this last year or so!

In order to get this information, we do need to hear from you folks as to what you know about the Skywarn Nets in your area. What kind of information are we looking for? The frequency that your net is on. Whether you use a repeater or simplex. Is PL (CTCSS) needed. Do you have an alternate repeater or simplex frequency that you go to? Things of this nature are extremely important to know, especially if we need to get folks from other areas of the state involved with your area to help in times of need.

I will take this information and post it to the http://arrl-ohio.org/SEC/ohio_counties/county-listing/counties/master-ohio-counties.html webpage so that we will have it when (yes, when) we need it. All you will have to do is click on the county that you want the information for and it will be there. Here's a link to get you to the questionnaire: <http://arrl-ohio.org/SEC/skywarn-frequencies.html> You can also find this link on the Section Emergency Coordinator's main page as well.

I have already posted the information about my area (Richland) up there so that you can get a feel for what type of information we are looking for. It is painless to do and should only take you about a minute or 2 to complete. If you don't know the information about the Skywarn Net in your area, this list should definitely help you out.

Ohio Section ARES Conference Date Announced



I know a lot of you have been waiting patiently for this announcement. Yes, we have set a date for the Ohio Section ARES Conference... It's going to be held on **April 6th** at Marion Technical College / OSU Marion Campus. So, make sure to mark your calendars for this date. Also, don't forget to "sign up" for this event in ARES Connect as well!

Stan is working diligently on the agenda getting great forums arranged and it's sure to be a really great conference. There's loads of information for those interested in any part of Ohio's ARES program.

This is an all-day adventure, but we are in a real college setting with all the amenities that you would expect in a first-class campus. Electric outlets are easily accessible for those bringing laptops and such. WiFi is available and the seats are very comfortable. And... I'll have some great Give-A-Ways to pass out as well.

Lunch is on you, but the campus is close to many popular fast-food and sit down restaurants. You can even brown bag it if you want to eat on campus.

Certificates for your participation at this conference will be available, so you'll get some wallpaper suitable for framing to take home with you as well! Now how can you beat that.

Get registered now, seating will become limited quickly! Here's the link: <http://arrl-ohio.org/SEC/form.html>

Ohio EMA Now Accepting Safe Room Applications

For Immediate Release: February 4, 2019

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.



MEDIA RELEASE

Emergency Management Agency

Ohio Emergency Management Agency • Sima Merick, Executive Director
www.ema.ohio.gov

 **OHIO DEPARTMENT OF PUBLIC SAFETY**
Mike DeWine, Governor Thomas J. Stickroth, Director

“The entire state of Ohio is at risk of an EF5 tornado, which produces 250 mile 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 could be 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. April 1st to register on the Ohio EMA website: https://ema.ohio.gov/ema_saferoom/saferoom-concept.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 April 5th. Ohio EMA anticipates grant funding will become available this year and having a list of participants who meet program requirements will expedite the rebate process.

Funding for the rebate program is through a partnership with the Federal Emergency Management Agency's (FEMA) Hazard Mitigation Assistance (HMA) grant programs. 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.

Ohio EMA plans to offer this rebate program on an annual basis. When and if HMA funding becomes available, the amount of funding will determine the number of rebates. If, after visiting the Ohio EMA website, interested people have questions, they should call Dan Clevidence at 614.799.3533.

Mounting Mobile Hardware

(from Ken Irwin W8LTT - Editor SPARK)

There are two schools of thought mounting hardware in your personal vehicle. Maybe you aren't concerned about the resale value and just chop and drill to satisfy your installation needs. This certainly allows the best installation, but for those of us who plan to trade in for a new vehicle soon may not want to disfigure the car interior. I recently bought a mobile vhf/uhf mobile transceiver and held it up in various locations in my car to see what might work best.



Well, my 2010 Toyota Highlander interior didn't seem friendly to mounting it. Also, I explored how I could route the power cord to the battery. I popped the hood and alas—I couldn't even see the firewall let alone find a place to penetrate it. I checked with a car audio shop and they said they could run it for about \$40. I had to think about it. I sat in my car again, radio in hand determined to solve it. It is not a model with removable face plate. Then it dawned on me.

My plan was to fabricate a cup holder mount. There are multiple cup holders in my center console like all cars to-day. I had a 3" plastic cup holder for some time laying around from another project. It fit well inside the car's cup holder. I took a piece of cardboard to the car and made a template to locate where it couldn't interfere with the shift lever or cover my other drink holders or console mounted switches. I cut a piece of 3/8" plywood and mounted the cup holder with small screws to it. I also needed to fabricate a wooden wedge to tilt it up 30 deg. so I could see the radio faceplate. It swivels in the cup holder easily.



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The mic lays nicely in an adjacent cup holder. Just disconnecting the antenna and unplugging the power cord the whole unit may be removed for security.

As for power, I gave up wiring it direct to the battery. I cut the power cord short and installed a cigarette plug on it. The fuse held, so I went for it. I happened to have a Y adapter. It has one male and two female connectors. Plugging the radio into that allowed me to still have a place to plug in my cell phone charger.

Something To Think About For You Volunteering

(from John Major, KD8MMY and the Listening Post)

I was asked by Matt Flagler at CFD/EMA if I could help at the funeral of the Clermont Deputy Sheriff who was killed in action at recent standoff. I got up at 6am and went out for briefing in C400 and did staging and “situational awareness”. It was very cold but worth efforts. After staging hundreds of fire and police vehicles at Clermont HS for processional I was sent to help staging at Cemetery Entrance and shadow Pierce Twp Police Chief.

It was a deeply moving event as I was helping with traffic and directing hundreds of police over to cemetery and also protecting the caisson and horse area from any traffic while it staged before procession into cemetery.

Channel 5 news shot of the caisson and hearse traffic where I was staged, and it was a solemn period for all who were there. The Sheriff’s helicopter then did a low flyover during graveside service.

We all had command channel radios of C400 Comm Van to monitor event and give any needed reports, but all went smooth. So glad I was asked to support this almost 9-hour event. It was a great mutual aid team with Butler, Clermont, UC Med, Cincinnati FD, and Hamilton Co EMA, Ohio EMA and Hamilton Co Comm Center folks running staging and processional.

This type event was one that only folks with the 4 minimum ICS certs and some work on previous EMA events are invited to help with. It was not a “ham radio event” but hams and ARES folks need to know it is about Public Service sometimes and not just radio.

Just like our Red Cross DST support during the flood last year, it was sharing our knowledge and experience to support the event.

I wanted to share some thoughts on the amazing public, fire and police turn-out they had for this event as highly covered by the news and some thoughts on how hams, and ARES folks in particular, can support such events with a little ICS work and willingness to do rewarding service for your community. You see, it’s not always just talking on a radio, sometimes there so much more to it than that.

Thoughts To Chew On

A draft FCC broadband report shows that the number of Americans lacking access to a fixed broadband connection has dropped by over 25%, from 26.1 million Americans at the end of 2016 to 19.4 million at the end of 2017. Meanwhile, the number of Americans with access to 250 Mbps/50 Mbps fixed broadband increased by over 45% to 205.2 million, & the number of rural Americans with access to such service more than doubled.

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2018 ARRL International Grid Chase Certificates

Just in case you want a certificate for the 2018 ARRL Grid Chase, go to: <https://igc.arrl.org/certificates.php>

Fill in the box with your call sign and what band and mode and hit search. It will search all the records and pop up with what you are qualified to get a certificate for. Then you are able to select it and download a very nice printable certificate that is suitable for framing and hanging on the wall with all of your other awards.

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Pulse Electronics Acquired by Taiwanese Firm

(from Radio Resource & Greg WD9FTZ)



Yageo, a company listed on the Taiwan Stock Exchange, announced the acquisition of 100 percent of shares in Pulse Electronics in May, and the acquisition was completed in December.

Pulse Electronics and its subsidiaries including Larsen Antennas, formally became a part of Yageo. The contracts, services and resources available to Pulse customers or suppliers will not be affected by the acquisition, a Pulse statement said.

Yageo is a global service provider of passive components with production facilities and sales offices in Asia, Europe and the Americas. Yageo offers a completed product portfolio of resistors, capacitors, and wireless and circuit protection components to meet diversified requirements of customers in the automotive, industrial, telecommunications, power and energy industries.

With Yageo's strong customer relationships and established presence in greater China, Pulse can extend its sales coverage and strengthen customer services, the firm said. As a part of a larger organization, Pulse expects its customers and vendors to benefit from enlarged scale and strengthened capabilities.

Why does a frequency other than 60hz negatively impact AC motors?

Shouldn't motors run equally well on any frequency? They don't "recognize" time, they only convert fluctuating magnetic fields around a rotor to motion. So why does frequency impact how a motor works?

AC motors are designed to run using the labeled frequency. Increasing the frequency will speed the motor up, which is ok to a point. Past that point, the magnetics in the motor won't respond fast enough to keep all the phases of things where they should be, and the motor will fail to run.

Decreasing the frequency will slow the motor down. That's ok as well, to a point.

The extreme of this end of things is reaching DC (0 Hz). The motor won't run at DC. But it will draw current, and quite a bit of it. That will heat the motor with it not running. Normal air motion inside the motor will change to just what convection currents will cause, and, in the tight spaces involved, that will be almost no motion. Depending on a few things about the mechanical design of the motor and its case, the motor will very likely overheat.



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Variable speed motor drives work by driving a motor at different frequencies. Users of these are warned that driving the motor too slowly can destroy the motor. In addition to failure of enough air to naturally circulate inside the motor to cool it adequately, many motors have a build-in fan, usually at the end of the rotor opposite the business end. Motors run at much lower frequencies than design draw more current than when run normally, generating more heat. The fan turns much more slowly, moving less air, so that heat isn't moved out of the motor.

So, there's usually a reasonable frequency range allowed. Some motors that are designed for very specific uses may be optimized at their design frequency, with little room for error.

Final.. Final..



Hey Gang...

I had a blast this past week visiting with many of you at your meetings and hamfests. This past week was the Mansfield Hamfest. It was a great time and I even had 2 special guests with me at the ARRL table, Dale, WA8EFK and Tom, W8WTD, the Great Lakes Director and Vice Director. In addition, we had the Michigan Section Manager Jim, K8JK in attendance as well. As



you can imagine, when you get all of us together and it definitely spells trouble!

In all seriousness, we all had a blast doing the "Meet and Greet" at the ARRL table!

The weather seemed to cooperate and held off on the icky stuff until early afternoon. I guess even though it was decent weather in the morning, the threat of bad weather kept some folks home and missing out on some really great fun. For those who did brave the weather threats found deals and steals for sure! I saw a lot of "just can't live withouts" going out the door most of the morning.

Later in the week I did get to do a presentation at the Silver Creek ARA meeting and attended the Ohio VOAD and Ashland County LEPC Design Team meetings as well. All in all, it was a busy week.

Now, I do want to remind everyone that you can do a little extra publicity for your club meetings and activities just by having your ARES Connect Administrator add your events to the ARES Connect calendar! For those clubs that use Google Calendar or any web-based calendar program that incorporates RSS feeds, you can easily add ARES Connect events calendar to it!

Yes, you can now see all the events, including your own club activities on your calendar! Oh, if you don't use Google Calendar, do you use Outlook or other similar Office Suite programs that has a calendar built in? If you do, then you can even add the ARES Calendar to that as well. This is extremely useful if you are in the field where Wi-Fi isn't available. If you are interested in how you can do this, just ask me. I will show you just how easy it is. Oh, there is just one little requirement to be able to do this, you have to be registered in ARES Connect in order to gain access to this feature.

Now speaking on the idea of being registered in ARES Connect yet, have you? If you haven't you really need to do it now. For your administrators out there, things will be changing in the system and from what I know right now, it will make your job a lot easier as well. Yes, things aren't quite the way we want them yet, but they will be getting better, and the system will be a lot easier to use when these changes happen.

I do want to clear up some mis-interpretations that have been going around. First, in the Ohio Section we only require our Level 2 volunteers to have the 4 basic courses, IS 100, 200, 700 & 800.

For our Level 3 volunteers we do require the additional ICS 300 / 400, or the equivalent professional series courses IS 120, 230, 240, 241, 242, 244 & 288.

The ARRL courses EC 001 and EC 016 are NOT available at this time to take and are not required here in the Ohio Section to be a Level 2 or Level 3 volunteer. The above equivalent courses are all on-line classes just like your basic 4 NIMS courses are and being offered as an alternative way for you to get credit for taking the professional series courses in the event you just cannot get scheduled into an ICS 300/400 class. By the way, if you decide to take the 7 on-line courses and complete them all, you also get a really great looking certificate from FEMA recognizing that you have completed the entire Professional Series courses.

I do hope that this clears up the confusion that has been going around lately. As we have stated on the website and in this newsletter many times "We don't want anyone left behind."

I've had some updates on the website this week. Thanks once again to Daniel, KB8LKH we now have another new update for his Code Plugs for the AT-D868UV and the CS-800D DMR radios. I also got had an update from Greg, WD9FTZ for the DMR Nets as well. The Digital pages are one of the fastest changing pages on the website. There never seems to be a point where things relax a bit there. It's always changing.

Ok.. One final go around, I have seen a number of posts on Facebook and other social media blogs where a lot of folks are interested in participating in a **Wouff Hong** at Dayton this year. I can tell you this, we could have one **IF** we get the volunteers to make this happen!



What does it take? It takes a minimum of 7 players that are willing to get up in front of a crowd and read from a script. You don't have to worry about whether you flub a line or two, it will happen, and it will still come out ok. You do have a really neat costume that you wear, and the ceremony takes all of about 30 minutes to do. Not much to ask for so

much fun for everyone that participates.

It will take a commitment from **YOU** however to make this happen. Now, here's what I need from **YOU**. I need someone to step up and get the 7 people together. I need one person to organize this part of it and all you have to do is get those 6 people (you included) to volunteer and get me their names and emails.

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I will take care of the logistics – time, location, copies of the script, costumes and certificates. How about it? Anyone game to help with this project? If you are, contact me as soon as you can. Write to: n8sy@n8sy.com and we can discuss the details.

Now, just to get things started in the right direction, I have already talked to ARRL Headquarters about this this to see if it would be possible and was told that we should be able to get a conference room at the Marriott – University of Dayton where all of the ARRL staff are staying. I am planning on starting the ceremony later in the evening, say around 10 pm or so... this keeps the tradition going for the ceremony to be done late at night.

Whelp... That's going to do it for this time around. Stay safe, stay warm, and most of all... have FUN!!

73, and stay warm and dry!!!

Scott, N8SY

Guest Instructor Opening Students' Eyes To Amateur Radio

(by Katie White – Morning Journal & Don, NN8B)

Columbiana – Students at the South Side Middle School in Columbiana now have an opportunity to earn their FCC Amateur Radio license. South Side Principal Jason Martin said the after-school program for grades 5 – 8 was initiated by Wade Boley, who also serves as the school district's resource officer.



Submitted photo
Officer Wade Boley is giving Columbiana students an opportunity to earn their amateur Federal Communications Commission (FCC) license.

Boley has been a ham radio operator since 1992 and said he thought students would be interested in not only learning how to get their own FCC license, but also be able to delve deeper into electronic and wireless technology. Obtaining an FCC Amateur Radio license is not required as part of the volunteer after school program that meets each week on Tuesday afternoon, but it is a goal, he explained. Once obtained, the license is something that students can maintain throughout the rest of their life, he added

“Today’s students are very appreciative when their wireless technology works, and very frustrated when it doesn’t. They really have a thirst for knowledge about how this technology works, why it works, and

how to fix it when it doesn’t, and how to improve it in the future,” he said. Boley was pleasantly surprised when 30 students signed up for the program that is also overseen by middle school science teacher Ashlee Sherwood.

In the weeks since the program started students have started learning basic electrical theory and will progress to advanced theory in the future. The program will also teach students cell phone forensics and analysis, including evidence recovery. “They will be doing some pretty advanced things,” Boley said.

The first class consisted of a class on the electromagnetic spectrum, co-taught by Sherwood, that consisted of allowing students to use infrared cameras and night vision goggles.

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A military veteran and longtime police officer with forensic experience, Boley is not teaching the class as part of any of his police or SRO work, but simply to share the hobby he has been interested in over the last several years. “A lot of today’s technologies have been the ideas of Amateur Radio hobbyists experimenting in their basements, and their ideas further developed and perfected at their day jobs in the technology industry,” Boley said, “though it is true Amateur Radio provides critical emergency communications, it is also an incubator and think tank for future wireless technological development.” Learning the hobby also helps prepare students for a totally wireless future. Boley said that wireless technology has become the standard in everyday life, noting that in his own lifetime he has seen the move from hard-wire phones to wireless cell phone communication.

“Wi-Fi application is the future. We are moving toward a completely wireless society with remote base applications. We want to prepare our students for the future. The students in this class will have a solid understanding of wireless communication, its applications, and gain an understanding of how wireless technology works,” he said.

Super Typhoon Wutip Hits 155 mph: Strongest February Typhoon on Record

(from Weather Underground & Greg, WD9FTZ)

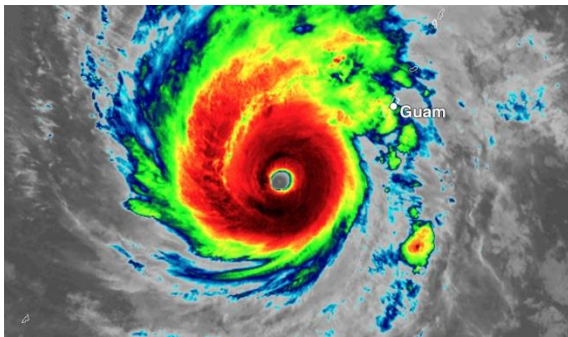
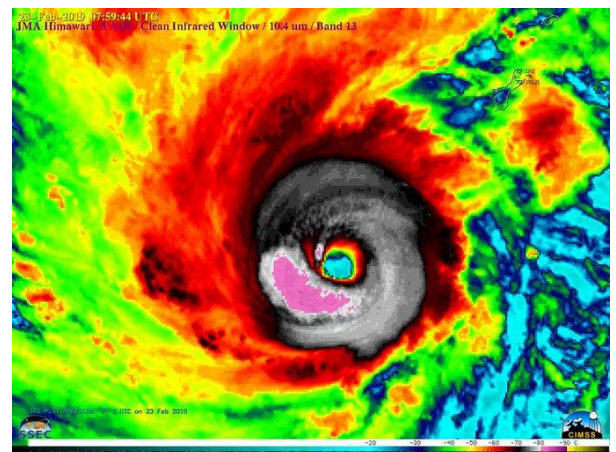


Figure 1 above: Himawari-8 infrared image of Super Typhoon Wutip taken at 7:00am EST Saturday, February 23. At the time, Wutip was a Category 4 storm with 155mph winds - the strongest February typhoon on record

Super Typhoon Wutip underwent an impressive burst of rapid intensification on Saturday morning, topping out as Category 4 super typhoon with a central pressure of 925 mb and sustained winds of 155 mph—just short of Category 5 strength. This makes Wutip the strongest Northwest Pacific typhoon ever observed in February, as well as the strongest tropical cyclone anywhere north of the equator in February.

According to NOAA’s [Historical Hurricane Tracks database](#), only seven January and February Category 4 or Category 5 typhoons have been recorded in the Northwest Pacific since records began in the late 1940s. Wutip is tied with Super Typhoon Rose of January 1957 as the second strongest typhoon to form in these two months. The only stronger typhoon ever observed so early in the year was Super Typhoon Ophelia, which peaked as a Category 5 storm with 160 mph winds on January 13, 1958. The previous strongest February typhoon on record was Super Typhoon Higos, which hit 150 mph winds on February 10, 2015.

Wutip rapidly intensified from a Category 3 storm with 120 mph winds to a top-end Category 4 storm with 155 mph winds in 24 hours, under conditions that appeared marginal for rapid intensification: moderate wind shear of 15 – 20 knots combined with sea surface temperatures that declined from 29°C (84°F) to 27°C (81°F) along Wutip's track. These water temperatures are near average for this time of year. As of Saturday afternoon (EST), satellite images showed that Wutip had likely reached its peak intensity, and I do not expect Wutip to become a Category 5 storm.



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The typhoon appeared to be undergoing an eyewall replacement cycle, and the intensity of the eyewall thunderstorms was waning.

Wutip made its closest pass to Guam on Saturday morning (EST), passing about 180 miles to the island's southwest. Winds at the [Guam Airport](#) peaked at 39 mph--minimal tropical storm force—at 11:54 am Saturday (local time), and gusted as high as 56 mph during the day. The typhoon dumped 5 – 12” of rain over Guam as of Saturday afternoon, with another 3 – 5” expected. Waves near the coast reached 20 feet on Saturday afternoon.

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>



Chit – Chat, and All That!

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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!!”

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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 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!