



The Wave Bender

August 2016

WRARC PREZ SEZ

We are now on the downhill side of 2016; July has come and will soon be gone. Field day was a great success, we as a club are having a great year, we are gaining new members monthly, which speaks volumes about our group. We are now preparing for the busy season as it was, the walks, runs, the road cleanup on Rt. 446 in Canfield, our adopted highway and all the other projects which our members volunteer their time for and which keeps our clubs name in front of the public as a public-spirited club.

Amateur radio by design and by statute is in existence as a service for the public. Think about it, even in our license designation in the FCC it is the Amateur Radio Service. We as hams should give back to our communities through some types of services to help make our communities better places to live and carry out our everyday activities. This in my belief should be the goal of all hams, not just those in clubs, or emergency service groups or some other types of groups. From my earliest days (many moons ago) I remember hearing of HAMS running the MARS communications nets helping military personnel and others with the transmitting emergency messages when no other communication was available. How many of us grew up to the sound of morse code on some of the early TV stations signing on and off, remember the test pictures of the big radio tower on the screen and the lines radiating away from it as the dits and dahs came over the speaker?



I have sat and thought about this and have looked around our community and the amount of ham radio operators we have in the Mahoning valley. Then I think about how some differences that occur among people or groups seem to take on a life of their own and continue to grow and continue forever.

I have looked at what we do as a club, and the contribution we make to the community through our emergency communications at various public events such as charity walks and runs, and public information that we pass out regarding our activities. Teaching classes for new generations of hams to take our place as we decide to slow down a bit and as Examiners for the Amateur Radio tests for that very important first "Ticket" and the upgrades that follow.

I am proud of the contributions that we Hams make to our communities, and at the same time, I look at what I consider to be ways we could contribute even more. I have done the same complaining and griping as many others have done before me when we have an event coming up and for many reasons did not have as many radios in the field that I would have liked to have seen. There are many reasons for this, and life does go on. I view this as one of our shortcomings as ham operators, The reason I view it that way, is that we are human beings, then hams. We all have our own ideas, and our own feelings, and our own ways we react to a given situation.

So given my position as the President of the Western Reserve Amateur Radio Club, I am asking each and every member to stand with me and let us put a new foot forward and try to mend some of the broken fences between the clubs in the area, I know that we will not mend them all, and each group has to be willing to try. Also, I know it is not realistic to expect that we would. But given all the good the clubs do for the community now, can you just imagine the impact we could have if we could work together as HAMS first, then as representatives of our individual clubs second? I am not asking that we give up our individual groups, I am just asking that we work together as members of the HAM community for the betterment of our civic communities. Mutual co-operation is all I am asking for, and I know that there are members in the different clubs that are hoping for the same thing. As always, feel free to contact me with any comments or feedback.

73 Bob N8RCM

**WE LIVE IN THE LAND OF THE FREE,
BECAUSE OF THE BRAVE!**

2016 Officers:

President: Bob Mitzel, N8RCM n8rcm@wrarc.net
VP: Joe Wojtowicz W0JO w0jo@wrarc.net
Secretary: Jo Wilms, KD8SNW kd8snw@wrarc.net
Treasurer: Rose Marko, KD8TII kd8tii@wrarc.net
Past President: Roy Haren, KD8IJF kd8ijf@wrarc.net

Trustees:

Harry Harker, KD8PQK kd8pqk@wrarc.net
 Russ Williams NR8W nr8w@wrarc.net
 Darrin Cannon, N8DMC n8dmc@wrarc.net

Appointed Positions:

Amanda Faron, KC3GFU kc3gru@wrarc.net
 Publicity: Joe Wojtowicz, W0JO w0jo@wrarc.net
 Nets: Steve Fabry, KC8SOY kc8soy@wrarc.net
 Classes/Testing: Al Avnet ab8aa@wrarc.net
 Newsletter/Web: Jane Avnet K8JAA k8jaa@wrarc.net
 Historian: Terri Mitzel, KD8YYE kd8yye@wrarc.net
 Badges: Al Avnet, AB8AA ab8aa@wrarc.net
 Facebook: Terri Mitzel, KD8YYE kd8yye@wrarc.net
 Chris Monske, WF8U wf8u@wrarc.net
 Harry Harker, KD8PQK kd8pqk@wrarc.net

Officer's Meeting:

August 12, 2016, 7:00 P.M. At Eat 'n Park,
 8051 Market St.,,
 Boardman - All members welcome

Members Meeting:

August 21, Davidsons
 3636 Canfield Rd., Cornersburgh

Speakers: ACC, John Meyers, KD8MQ
 Gabrielle interviews at Field Day



<http://www.wrarc.net/>

Classes starting in September:

Technician - September 14
with the test October 19.
General - November 9 with
the test December 21.

7:00 P.M. @ ITT
Contact Al, AB8AA

**BIRTHDAYS
THIS MONTH**

KD8YMK
N8RCM
KB3KQY

Mark Stein
Robert Mitzel
Scott VanDerWal

UPCOMING SPEAKERS:

September- Angela McClellan - Executive Director,
 Coalition For A Drug-Free Mahoning County
 October - Someone from DX Engineering
 November- Another person from DX Engineering
 December: Open - Suggestions please!

IMPORTANT WEB SITES

For the ARRL searchable Hamfest calendar,
 <<http://www.arrl.org/hamfests-and-conventions-calendar>>

The ARRL exam search page
 <<http://www.arrl.org/find-an-amateur-radio-license-exam-session>>

Ohio Single Sideband Net
 <<http://www.ossbn.org/index.html>>

FROM OUR VP

The weather was good, (a little too hot for me), band conditions were OK, but the turnout and participation of our membership was great for our most recent Annual Field Day. Thanks to all our members who participated. Special thanks go out to Steve KC8SOY, and Chris WF8U, for putting together a great field day. Also, kudos to Amanda KC3GFU, Maureen KD8NXS, and Rosemary KD8TII, for the delicious meal, refreshments and activities. This was the best field day event we've had, in my opinion, since I've been a member of this club. Hopefully next year will be bigger and better.



This will be the last newsletter before our field trip to K3LR and the Panerathon next month. Our field trip to K3LR is scheduled for Saturday, August 6 at 11:00 A.M. EDT. For those of you who do not know K3LR, it is one of the largest amateur radio stations that I'm aware of in this area. When you are heading east on Interstate 80 and just as you get into Pennsylvania, past the rest area, K3LR is on the same side and you can't miss all of the towers, beams and vertical antennas.

K3LR is the call sign for Tim Duffy. Tim was our speaker at our December 2015 meeting and was kind enough to offer us another tour of his station since there was quite a bit of roadbook detours around his place the last time we had our field trip there and many of you were not able to attend. Tim Duffy is the Chief Operating Officer for DX Engineering and was the 2015 Amateur Radio Operator of The Year. His station is truly impressive and is worth the visit for all those interested in amateur radio.

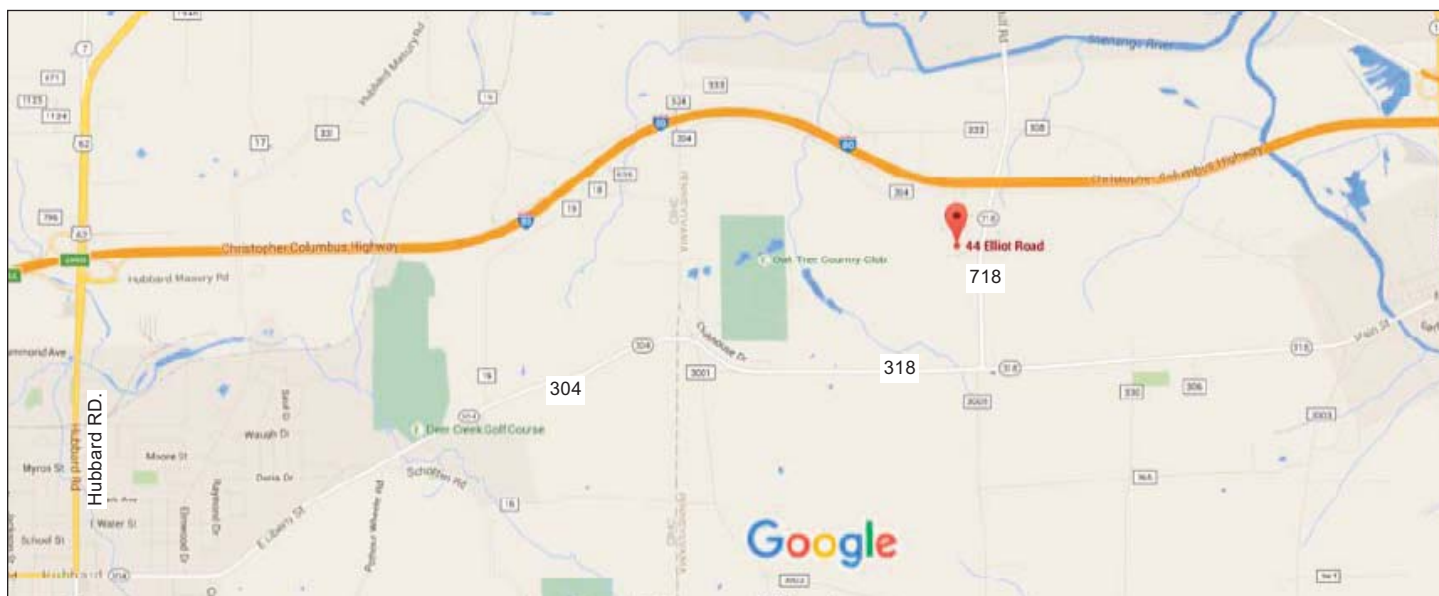
The address for K3LR is 44 Elliot Road, West Middlesex, PA 16159 and the best way to get there (if you're coming from the west) is to take Interstate 80 and get off at exit 234A for US 62 W / OH-7 south toward Hubbard. Then, turn right on US 62W / OH-7 which will put you on Hubbard Road and goes into North Main Street. If you're coming from the east, take exit 234 and it will take you right on to the same road. Follow the road in to downtown Hubbard. Make a left turn heading east on to East Liberty Street / Ohio 304 and follow it past Oak Tree Country Club where it turns into Pennsylvania 318 / Hubbard-Middlesex Road. You will pass Palumbo's Meat Market on the left and then make a left turn onto Pennsylvania 718 / Sieg Hill Road. Head north until you come to Elliot Road. Make a left onto Elliot Road and then bear right and you can't miss all the antennas. I've included a map with this month's article which shows the route coming from the west. We'd like to have some idea of how many of our members will be attending and will have a sign-up sheet at our July 19 meeting. If you're not able to make the meeting, please just email me at W0JO@arrl.net, or you can call me at (330) 544-5865 if you're planning on attending.

We've been invited back again this year also by Covelli Enterprises, Inc., the event organizers for the 2016 Panerathon. It is scheduled for Sunday, August 21. This is the largest charitable fund-raiser in the Mahoning Valley and they estimate approximately 10,000 people participate in order to raise funds for Mercy Health Foundation's Joni Abdu Comprehensive Breast Care Center at St. Elizabeth's Hospital. The event starts at the Covelli Centre in downtown Youngstown where we will meet at 8:00am EDT and goes through Mill Creek Park covering a fairly large distance. Therefore, your club officers and trustees would greatly appreciate the assistance of any of our members who can donate about four hours of your time on Sunday morning. This is a very worthy cause and gives our club great exposure to the general public (www.panerathon.org/sponsors/), so if you can make it, we'd love to have you. Again, we will have a sign-up sheet at our next meeting and if you're unable to make the meeting you can contact me either by the phone number or email above.

Also, don't forget to mark your calendars for Saturday, October 8 for the Annual Walk to End Alzheimer's at Youngstown State University and Sunday, October 23, for the 42nd Annual Youngstown Peace Race. We'll have more information on these as we get closer to the dates. Our next club meeting is scheduled for Tuesday, August 16 at Davidson's Restaurant, 3636 Canfield Road, Canfield, OH 44406. We meet at 6:00pm EDT for dinner and our meetings start at 7:00pm EDT. John Myers, KD8MQ, is the ARRL's Affiliated Club Coordinator and is our scheduled guests' speaker. I'm sure he'll be very interesting, so plan on attending. All of our members are cordially invited to our monthly club meetings along with any other area licensed amateur radio operators. We also invite anyone out there interested in learning more about all aspects of the amateur radio hobby and services we provide to our fellow citizens. Until then . . .

73, Joe, W0JO
VP/WRARC

K3LR - 44 ELLIOT RD.



WHAT'S COMING UP?

- .Aug 06 Trip to K3LR's station, 11:00 A.M.
- Aug.09 Board meeting - Eat'n PARK, Austintown
open to all interested members.
- Aug.16 Members Meeting
- Aug.17 Testing at ITT
- Aug 21 Panerathon
- Sept. Comunity Service Event - 446 clean up
- Oct 08 The Walk to End Alzheimers
- Oct.23 International Peace Race



Amateur Radio Operator "Amateur means we're simply professional volunteers" ARRL reflector

CONTACT WRARC ELMERS WITH YOUR QUESTIONS - QUESTIONS@WRARC.NET

Avnet, Allan AB8AA

Antennas, radio setup, mobile,
grounding, classes, anything
anything

ab8aa@arrl.net

Beatty, Dave KC8WY
Fabry, Steve KC8SOY
Haren, Roy KD8IJF
Williams, Russ NR8W
Wojtowicz, Joe W0JO

Yaesu FT8900, FT8800, Mobile
???
Electrician, tele-data, Amateur Extra
ICOM radios, D-Star

kc8wy@zoominternet.net
kc8soy@yahoo.com
harens@juno.com
rwiliams@neo.rr.com
w0jo@arrl.net



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He who is afraid of asking, is afraid of learning

Articles from members for the Wave Bender are encouraged. They must be received by the editor on the 20th each month. Please send your articles to: k8jaa@arrl.net, and put WRARC on the subject line of your email. You may also send your articles to the editor: Jane Avnet, 2050 E. South Range Rd., New Springfield, OH 44443

Join us for the WRARC Friday night Net 9:00 P.M.

145.270, PL -110.9

Upcoming Net Control Operators

Aug. 05	Bob, N8RCM
Aug. 12	Rose, KD8TII
Aug. 19	Frank, KD8YEC
Aug. 26	Roy, KD8IJF
Sept 02	Brian, AB8BL
Sept 09	OPEN
Sept 16	Frank, KD8YZC
Sept 23	Joe, W0JO
Sept 30	OPEN
Oct. 07	Frank, KD8YZC

**Contact Steve, KC8SOY to take a turn at Net Control
330-774-6346**



WRARC Simplex Frequency 146.565

Mahoning County ARES® Nets

1st Monday 8.30 PM ET W8QLY Repeater - 146.745 (PL 110.9)

&

3rd Monday 8.30 PM ET W8QLY Repeater - 146.745 (PL 110.9)

We thank MVARA for the use of their repeater

W8SGT is facilitating The Ohio HF net every Tuesday - 7:00 PM

The net is run from the State of Ohio EOC on the

Ohio ARES Admin frequency 3875 kHz LSB

moves to 7240 Khz after 20-min.

All are welcome to check in.



**The Ohio ARES/OES Digital Emergency Net held every Tuesday at 8:00PM.
held on 3585 kHz USB.**

Please note all digital communications are Upper Side Band.

<http://www.http://ohden.org/> for net details. Net Manager Gary NJ8BB

COLUMBIANA COUNTY DIGITAL NET

Wednesdays 8:30 pm - 9:30 pm

145.510 MHZ SIMPLEX

**NBEMS/FLDIGI is being used training on message handling
capabilities of FLDIGI/FLMSG. Start with BPSK-125 other modes august be used for testing**

**First Wednesday of the Month Mahoning County Skywarn Net
is held on the W8QLY repeater 146.745 (-) at 8:30P.M.**

Thanks & 73

All of our members (and others) look forward (hopefully) to getting this newsletter every month, so keep sending those articles, jokes, and suggestions!

Thanks goes out to this month's contributors; N1TAM, KD8PQK, N8SY, W5YI, the ARRL and the World-Wide Web.

FIELD DAY 2016 (1)

In my own opinion, I'd say Field Day 2016 was a success! I would like to thank each and every one of you that participated. There were a lot of laughs, memories made, good food, and fun. For me that is what Field Day is all about.

I'd like to congratulate a few people for making their first HF contacts at Field Day this year:

Devon Wilms KD8SNV
Jo Wilms KD8SNW
Maureen Stein KD8NXS
Amanda Farone KC3GFU
Gabrielle Paine
Keely Maples (7)
Bowen Maples (5)
Rylee Egan (7)



The kids who participated were also entered into our Kids on the Air Raffle. Congratulations to Rylee Egan for winning a set of Walkie Talkies.

We had dinner at 6pm on Saturday and the food was fantastic as always. We had plenty of food and I'm positive nobody went hungry. Thank you to everyone who brought a dish. Special thanks to Steve KC8SOY who cooked several times throughout each day to keep all of our bellies full.

After dinner we played 3 rounds of Ham Radio Bingo. Each winner received 5 tickets to use in the Chinese Auction. It was a lot of fun and several people commented how much they enjoyed it. Due to the great feedback, you can expect to see this game at future events. Congratulations to our 3 bingo winners: Maureen Stein KD8NXS, Chris Monske WF8U, and Marjorie Wentz.

This year we decided to include a Chinese Auction. This was made possible by Terri Mitzel N1TAM, Maureen Stein KD8NXS, and myself. It also would have never been possible without the gracious donations from local businesses. We raised a total of \$147 with the Chinese Auction. The following is a list of the businesses who donated. We encourage you to remember these businesses in your times of need and thank them for their generosity:

Extreme Air Trampoline Park
Ice Zone
Boardman Lanes
The Mahoning Valley Scrappers
WRARC
Bernard Daniel's
Pep Boys
Auto Zone
Tic Toc Food Mart
Movies 8

Great Clips
Cocca's Pizza
Davidson's
Youngstown Symphony
Knesal's Hardware
Darrin Cannon N8DMC
Youngstown Playhouse
Sports World
Maggie's Magic Muffin House



I'd also like to thank the Youngstown Elser Metro Airport for this year's fantastic site.

Overall, we had a great Field Day. I cannot wait to be a part of it next year. I hope you all feel the same. Thank you once again to everyone who participated and helped make Field Day another memorable experience with the WRARC.

73, Amanda, KC3GFU

Failure is simply the opportunity to begin again, this time more intelligently. - Henry Ford

FIELD DAY 2016 (2)

From Fire Pits, to kids chasing fireflies, Camping, Great Food, Visiting, Radio Bingo, and Radio Contacts

This was my 2nd Field day to attend since I first earned my Tech License. I was and am still so excited. It was so great turning off the main road and driving down past so many camp sites set up. From Trailers to tents, there were even people who slept in the bed of their truck. We even had a member who was kissed by a deer!!

I am very proud that our club dedicated this year's Field Day to the Memory of John Fabry, KC8SPF, but more than this, I am honored that the family chose to share his Memorial Day with us. Thank You to the Fabry family for sharing the pictures and various certificates and articles showing and reflecting John's life. Also, Thank you for sharing so much food with all the Hams! I for one was way to full!! John always made me laugh, and even though I only knew him a short time, I miss seeing him, and his silly personality that made him so much fun.

After the Memorial Service, final touches were underway to start getting our Field Day Contacts.

Amanda KC3GFU and Maureen KD8NXS worked hard making contacts in the community and was able to get some fantastic baskets for the Chinese Auction. Thank you both for all your hard work! Gabby helped sell the tickets for the Chinese Auction. Thank you Gabby!! Devon KD8SNV did a great job selling the 50/50 tickets. Thank you Devon!

Steve KC8SOY and Darrin N8DMC were the head cooks. They did a great job cooking for the Field Day Dinner on Saturday, and they even fed everyone again on Sunday!! Thank you both!!! After dinner, Amanda KC3GFU set up the Radio Bingo game. I have never played bingo like this before, but it was an awesome game!! I really look forward to playing the game again at the Annual Picnic.

I walked around to each of the camp sites taking pictures and saying Hi to everyone. It was so amazing to see so many Hams working to make contacts. It was wonderful to be able to visit with so many people that share such a wonderful hobby.

I am not sure how many people stopped by, but we have several people that came out to see what we were doing and learn about our hobby. We, Joe W0JO and I were able to talk to a Beaver Township Officer that had to work on his birthday on Saturday. Sunday, Bob N8RCM and Al AB8AA talked to another Beaver Township officer who was a little shy about having his picture taken.

The most exciting thing of all . . . we had so many people make their first HF contact (or first field day contact)!!

Bill KD8HCQ worked with his granddaughter Riley who earned a certificate for making a contact *Continued page 8*



FIELD DAY 2016 (2) - CONTINUED FROM PAGE 7

and 5 chances to win the Kid's only prize, a set of Walkie Talkies. (She won them too!! Congratulations Riley!). Bob N8RCM worked with our granddaughter Keeley on Saturday, who made her first HF Contact. Keeley made 7 contacts total!! Bob also worked with our grandson Bowen on Sunday, who made his first HF contact as well. Both earned a certificate and 5 chances each to win the Kid's only prize. Bob N8RCM also helped Amanda KC3GFU, Jo KD8SNW, Devon KD8SNV, Maureen KD8NXS, Gabby to get their 1st HF Field Day Contacts and they each received a Field Day Certificate too!

Thank you to everyone who came out and joined in the fun, even if it was only for a few minutes or camping part or all of the weekend. We have a great club. I love how everyone helps each other regardless of how long we have been in the club. I am proud of the club that we have and look forward to see each of you at our events, monthly meetings and NEXT Year's Field Day!!

73, Terri, N1TAM

FIELD DAY 2016 (3)

Field Day 2016 - is history, we had a beautiful weekend for a change. I'm just sorry I couldn't be there to take part. I'd like to congratulate the members who made their first contact. And especially those kids who got on the air. Now we have to get you four licensed. So far, no results on how many contacts were made. Were we really going after points? Probably not. Field Day is supposed to be training for 'Amateur Radio, When all else Fails.' It has an important purpose. Can you operate in less than ideal conditions? Would you be able to help?

At the Field Day test session John Fielding, KE8ERG, who passed his Tech., finally got his call the second week of July.



A couple thoughts on FD from the Board meeting. Steve and his crew, who do a wonderful job, would like your input on a different place to hold Field Day 2017. High and dry, maybe with some trees. The Board is glad so many more members chose to pitch a tent and be there the entire weekend. That is a good thing, and we are happy to see increased interest in spending time, and participating in, FD weekend. But, with more folks tent camping, Steve's is now concerned, if there is a serious weather event, or even just rain, where would those Hams go to be safe and dry. Something to think about for 2017.

K8JAA

WHERE ARE YOU WITH THIS GREAT HOBBY CALLED HAM RADIO?



Now that Field Day is over what comes next. There are public service events, National Parks on the Air, lots of State QSL parties, Special events, DX, and a bunch of other events that are on almost every weekend. There are all kinds of events you can try.

There are the public service events that we do. These are important for the club, they are one of the reasons that the FCC allows us to have all the frequencies we have, so we keep on doing them. Come out and help out. Spend a few hours practicing your skills at working communications. If we would ever have a real emergency, without lots of practice you will not be ready to help out. The thing with an emergency you never know when it will happen, and what it will do to the area. All I can say is, are you READY?

There are the classes that we do to bring new Hams into the hobby plus those that want to upgrade. There are workshops that we can and will do to help all the members learn more and build things. All it takes is that you ask the board members to do a workshop on any subject. Do you want to learn more about antennas, digital software, logging and radio control software, different operating modes, how to set up a station, grounding, or anything else? We could do a mini Field Day in someone's backyard.

All it takes is that you get involved with the club. The more that you are involved the more you will enjoy the club. It is a very simple thing to do. We have a tower to take down at the airport, and may have one at someone's home to take down. These events will help you to understand how things are done.

Give this some thought!

73 Allan, AB8AA

FIELD DAY 2016 (4)



A WORD FROM OUR SECTION MANAGER

Hi Gang,

WOW.. What more could anyone say about this past week! I want to personally thank all of our great Ohio Section ARES volunteers that gave of themselves completely, got all the required ICS training in, and met all the goals. It will go down in the history books for sure.

Yes, we did it!! We successfully trained, equipped and staffed numerous locations for the NRC and NAACP conventions simultaneously. How much more could anyone ask for.

Yes, we did use the brand new Ohio Department of Homeland Security Credentialing System (CIMS) too. It worked! We were able to get State of Ohio credentials into the hands of our volunteers when and where needed. Just as it was advertised!



I can't express my happiness more in Ohio's ARES program. I heard nothing but praise from government leaders, Red Cross and EMA Directors all over the state as I visited with them about the willingness and professionalism of the Ohio ARES Corps.

Stan, N8BHL, my hat is off to you sir, and all of your fantastic Ohio Section ARES staff!

I have a number of pictures posted of the different locations, but can use more if you have them. Go to: <http://arrl-ohio.org/rnc/index.php> to see some of the action as it was happening.

Again, thanks go out to all of our great Ohio Section ARES volunteers for a job "Well Done!!"

Have you seen the NEWEST "Handbook Giveaway" drawing on the website yet? It's there..!! To enter the drawing all you need to do is fill in a couple of boxes on the form.. (your name and email). That's you need to do to be entered into a drawing to win a 2016 ARRL softcover Handbook. There's nothing else required (Oh.. You do need to be a resident of Ohio to win..) The winner will be mailed the Handbook at my cost. This is being offered just to see how many folks are really checking in on the website. Got the idea? Best of luck to you!! Go to <http://arrl-ohio.org> and look for the link on the left side by the big RED arrow..

Are you getting those emails from me? If not, all you have to do is to "Opt-In" to receive them. Heck, just send me an email n8sy@n8sy.com I'll get you added to the mailing list. There's a link to do this on the Ohio Section website, it's on the bottom left corner.. For your convenience, here's a direct link to it: <http://arrl-ohio.org/forwarder/forwarding.html> I urge all of you to make sure that everyone, regardless of whether they are a League member or not, get signed up for one of these options. You can always "Opt-Out" at any time if you feel this is not what you were expecting.

Don't forget, August 6th is our annual ARRL Ohio Section Conference in conjunction with the Columbus Hamfest. There are a number of great forums scheduled and I'm sure you'll want to attend them all. The ARRL Forum will also be when the 25th Annual Newsletter winners will be announced. And, it will also be when I announce the 22nd recipient of the Allan Severson Award. I'm sure all of you will want to be there when that is announced for sure!! Go to <http://arrl-ohio.org/conference/conference.html> for more details..

Lastly.. I'm always available for you, whether you're an ARRL member or not. If you have any questions, concerns or would just like to sit and chat awhile. Call or write me (419) 512-4445 or n8sy@n8sy.com

ARRL Ohio Section
Section Manager: Scott D Yonally, N8SY
n8sy@arrl.org

The Portage County Amateur Radio Service, Inc. (PCARS) announces the 9th annual

Ohio State Parks On The Air



Ohio State Parks On The Air contest

Saturday, September 10, 2016, from 1600 UTC to 2400 UTC

There are **74** Ohio State Parks
Make a day of it and join us in the **FUN!**

Visit a beautiful Ohio State Park
and have some
Amateur Radio Fun at the same time!



Rules? Entry Forms? Log Sheets? Ohio State Park Information?
Check out **all** the details at: www.OSPOTA.org

The Original Social Network

Ham radio enthusiasts stand ready to step in when all else fails

A Ham scans for a signal at the Anne Arundel Radio Club's Field Day, in Davidsonville. On a sunny Saturday morning in late June, in a field overlooking the Patuxent River in Lusby, men assembling two 25- and 30-foot steel towers, section by section. Atop the shorter tower is a contraption that looks like an upside-down umbrella.

What in the world is going on here?

It's the Calvert Amateur Radio Association (CARA, call sign K3CAL), preparing for Field Day 2016. Field Day is an annual exercise, sponsored by the American Radio Relay League, the national association for Amateur Radio, to promote emergency preparedness. Hams, as they're known, could be a contraction of amateur.



On the last full weekend in June, Amateur Radio Clubs from all over the U.S. and Canada compete to see who can make the most contacts with other Ham Radio Operators. They work in makeshift conditions as they might in the aftermath of a natural disaster or national emergency.

Radioing to Help

Amateur Radio Operators communicate using affordable and highly portable equipment. They are able to exchange emergency messages without using high-tech infrastructure such as satellites, internet, fiber optics or the electric power grid. Because power requirements are very low, about the same as a light bulb, Ham Radio stations can be run off a generator or even a solar power array. Amateur Radio is still up and running "when all else fails," as enthusiasts are fond of saying.

The principal amateur radio groups in these parts are CARA and the Anne Arundel Radio Club (call sign W3VPR). Formed in 1951, the Anne Arundel group has 158 members. The Calvert group, founded in 1954, has 54 members. "The clubs have a good working relationship and cooperate on many emergency support and community support activities..

CARA's setup for Field Day featured five messaging stations deployed in a pavilion adjacent to the Drum Point clubhouse. They ran off generators to simulate conditions after a natural disaster when power is often disrupted, also had a Get-on-the-Air station where kids and other unlicensed people could get on the air and talk.

Three long-wave antennae were hung from ropes high up in 100-foot trees; antennae were perched atop the two towers; and a mast antenna was attached to a camper van. Over the 24-hour period from 2 P.M. Saturday to 2 P.M. Sunday, About 12 club members were making contacts, and about 18 people helped support the Field Day effort overall. President of the Board of Calvert County Commissioners stopped by to present a proclamation declaring it Amateur Radio Week.

Meanwhile, members of the Anne Arundel club were working since Friday to erect six 50-foot steel towers in a field adjacent to their clubhouse at the Davidsonville Family Recreation Center. By Saturday afternoon, the 13 towers looked like maypoles, held up by color-coded guy wires in bright hues of yellow, red, blue and green, with different lengths of antennae suspended from their tops. They also had a mast antenna brought in the back of a truck, that was put up on the top of a hill. It was military surplus and made to be deployed in the field just as we were doing,

Two large yellow tents housed seven radio stations, powered by two generators. Although operating under field conditions, the hams' privation was not complete. a member ferried in a wood-burning oven in the back of a gourmet pizza truck. Anne Arundel County may not permit alcohol on its property, but that doesn't mean we can't eat well,

Over the course of Field Day, some 22 club members made contacts; about two-dozen people helped with setup on Friday and Saturday.

Continued page 13

THE ORIGINAL SOCIAL NETWORK - CONTINUED FROM PAGE 12

A special visitor to the Davidsonville event from the Maryland Emergency Management Agency, who has been licensed since high school in 1954. came out to show that we care, and do it because we think it's important,

The Count Is In

The underlying purpose of Field Day is practicing readiness for an emergency, but it's also a competition, and hams like to keep track of how many contacts they've scored.

Competing with five stations, CARA made 283 contacts via multiple communication modes, including Morse code, voice and digital. They reached Ham operators in 42 U.S. states and territories, including Hawaii and Puerto Rico, and four Canadian provinces. They also contacted Antigua and Venezuela.

The Anne Arundel group, competing with seven stations, made 810 contacts, also via Morse code, voice and digital. They contacted 45 states and territories and five Canadian provinces. They also reached Cyprus, England, Liberia, Lithuania and Switzerland.

You might think that in the age of the internet and satellites, interest in Ham radio would be on the wane. But you would be wrong. Nationally, the number of ham radio licenses issued by the Federal Communication Commission has been rising. By the end of 2015, there were a record 735,405 licensees in the U.S. In Maryland, there are some 11,700 licensed ham operators and two dozen nationally recognized club.

Amateur radio can be a male-dominated hobby, but 10 out of CARA's 54 members are women. Some people say that ham radio is the original social network. People who call in occasionally mention traffic issues, but in general people call in to chat on their way to or from work.

A Higher Calling

Outside the Anne Arundel clubhouse in Davidsonville, a 190-foot tower and its antennae reach most of Maryland, and club radio capabilities enable the Maryland Emergency Management Agency to communicate and coordinate with most counties in the state should telecommunications ability is destroyed or impaired.

Several hams from both clubs are members of the Amateur Radio Emergency Service and the Radio Amateur Civil Emergency Service. Members do simulation exercises to keep ready for stepping into the breach. In a recent scenario, hams were tasked with coordinating the delivery of an antenna after a simulated tornado had taken out communications for the FEMA office in Reisterstown. Hams have also simulated reporting of flood levels in the wake of a hurricane.

The author is well positioned to operate after a disaster or emergency. "run my radio at home exclusively on solar power," he says.

On the lighter side, the clubs also support the community throughout the year.

The Anne Arundel and Calvert clubs work together on many events, including the upcoming Ben Moore Memorial Half Marathon and 10K on August 6 and the Annapolis 10 Mile Run on August 28. There they'll be using radio systems to help race organizers keep track of the sag wagon, lead bike, trailing bike and the like. Radios are also the fastest way to get the word out on important race developments, like the position of an injured runner.

One final footnote on Field Day 2016: two Anne Arundel club members have for the past several years competed separately using ultra low power for their radio equipment — five watts instead of the standard 100 watts. They operate on battery power rather than generators, and the batteries are replenished by solar power. Running off such low power means that they get multiplier points for their contacts — so many that the partners hope to be contenders for a national first place. This year they made 994 contacts and, with multipliers and other extra points, scored just under 10,000 points.

David Hardy, KB3RAN
davehardy0101@aol.com

Taken from an ARRL email -ed



GOOD STORIES

What do you love to do? Discovering what that is and making the time to do it is a key to a happy life. I learned that lesson from a man, whom when I met him had stepped back from the stage of world affairs to take over a small-town Illinois newspaper.

When I worked for the oil companies, I walked into his newsroom, I'd leave and never know when I'd be back. Three weeks, that'll be all, my boss said on sending me to South America.

By then I was wise to him. All right, I said, but I want one condition. I want to come home once a month. Fine, he said.

That stay lasted 11 months and took me to nearly every county in South America. But he kept his promise. I came home 11 times. Back then, I'd bumped into what I loved to do, and I was making time for it. Discovering people like my boss who kept me on the road for two years.

Two years have stretched into a lifetime. After leaving Illinois, and Illinois Times, I joined with my family in creating a weekly newspaper so I could keep telling the stories of people whose work and play made this their equivalent of my boss, the best life I've ever lived — that I can remember.

Most everybody who's ever written a story has shared my sustained delight in discovering, first-hand, the dynamism of people doing work they love. That's why you had the pleasure of reading The Original Social Network.

A writer was dancing when she chanced on the Anne Arundel Radio Club reaching out to the world by Morse code, voice and digital over the 24 hours of this year's nationwide Ham Radio Field Day. Find a bunch of people erecting electronic Maypoles, and you take notice. If, that is, you're like this writer, whose association with a local newspaper, has turned her into the version of a journalistic hunting dog we call a newshound.

Proudly, they bring their catch back to me, and we dress them for your reading pleasure. Just as a reporter has done in this fascinating story about people — our neighbors in Calvert and Anne Arundel counties — whose passion is connecting.

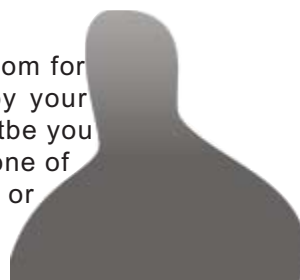
In the inner sanctums of journalism, there's a lot of talk nowadays about rekindling the passion for print — in other words, how to get people to do what you're doing, reading a newsletter. Of my prescription for keeping print alive and well, you're living proof: Find writers and reporters who love their work, and send them out to bring back stories of people making the world tick. These are stories people will read.

We've a story of that sort for you this month, thanks to writers, discovering what thrills us all in this business: finding good stories and bringing them back to you.

Sandra Olivetti Martin
Editor and publisher; editor@bayweekly.com

COULD THIS BE YOU?

Could this be YOU? This is the Wave Bender YOUR Newsletter. We have plenty of room for YOUR article(s)! If something is of interest to you, odds are that we all will enjoy your thoughts and activities! Have a favorite radio? Have some reminiscing to do? August be you have a question for one of our Elmers. OR, a Tip or Trick you learned that would help one of YOUR WRARC friends. You are warmly invited to contribute! Don't worry about writing or formality - we can help you with that. Your article could go in this spot next month!!



"The difference between genius and stupidity is that genius has its limits"
... Albert Einstein

SWAP 'N SHOP



Tri-Ex Model LM-354 Tower	\$400
Cushcraft Model 520 20 Meter 5 El Beam	\$100
Hy-Gain Model T-2X Rotator	\$250
All the above together	\$600

Kachina 505DSP In great shape, original DSP radio, Great for digital work	\$400
Kenwood SP430 Spkr,	\$ 40
Gwinstek Function Generator,	\$ 25
Gwinstek Digital Multimeter,	\$ 25
Albia Power Supply Dual Variable +15 &-15,	\$ 25
EZ Oscilloscope 60MhZ Dual Channel,	\$ 25
Nye Viking, MBI-001 Tuner,	\$100
Sencore TF151, Transistor tester	\$ 25
Shure model PE515, Microphone	\$ 25
Shure model 444D, Microphone	\$ 25
HEIL HTH, Handie talkie headset for Kenwood HT's	\$ 25
AEA model QT-1, Antenna tuner	\$ 25

Misc tower parts, lots contact me if interested. Will accept reasonable offers.

If interested make offer. Contact me for information

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THE VACUUM WON'T START... NEW SPARK PLUG NEEDED?

A retired guy sits around the house all day so one day his wife says, "Joe, you could do something useful, like vacuum the house once a week". The guy gives it a moment's thought and says; "sure why not. Show me to the vacuum."

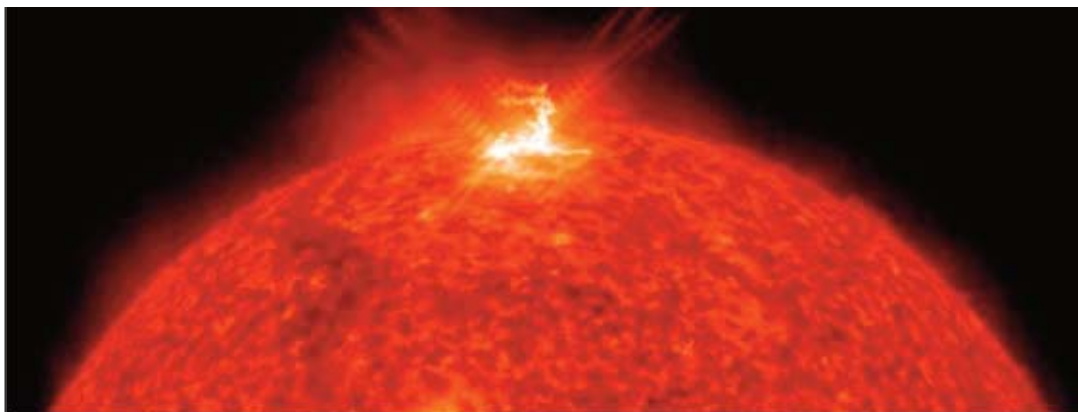
Half an hour later, the guy comes into the kitchen to get some coffee. His wife says, "I didn't hear the vacuum working, I thought you were using it ?" Exasperated, Joe answers, "The stupid thing is broken, it won't start. We need to buy a new one." "Really", she says, "show me - it worked fine the last time".

So he did (go Here)...https://videos.files.wordpress.com/Xblfe4qf/retired-vacum-cleaner_dvd.mp4



The headrest of car seats is deliberately kept detachable and sharp so that it could be used to break open the glass of a car in case of fire or other emergency. The car's glass too is kept easily breakable from the inside. Very few people know about it and thus aren't able to save themselves in case of an emergency.

SPACE WEATHER NEWS FOR JULY 23, 2016



<http://spaceweather.com>

<https://www.facebook.com/spaceweatherdotcom>

SOLAR FLARES: Departing sunspot complex AR2565-AR2567 unleashed a pair of rapid-fire solar flares during the early hours of July 23rd. One of them was the strongest flare of the year so far. The explosions caused shortwave radio blackouts on the dayside of Earth and may have hurled CMEs into space. Visit <http://spaceweather.com> for more information and updates.

Note from Tim Duffy, K3LR,
DX Engineering is having a special sale "August Hot Deals" at their Tallmadge Store.
1200 Southeast Ave, Tallmadge,
August 13 and 14.



Welcome to our backyard!



I spent half an hour trying to talk with them, wanting to learn about their culture

until the bartender cut me off and told me they were patio umbrellas.

The secret of Happiness is freedom. The secret of freedom,... Courage. - Thucydides

HOW SHARP ARE YOU?

This test will help you understand what the aging process does to your brain! Here is a "difficult" test..... Wish you much luck in your answers....go slow and just think and re-think before you answer!.

1. Johnny's mother had three children. The first child was named April. The second child was named May. What was the third child's name?
2. There is a clerk at the butcher shop, he is five feet ten inches tall and he wears size 13 sneakers. What does he weigh?
3. Before Mt. Everest was discovered, what was the highest mountain in the world?
4. How much dirt is there in a hole that measures two feet by three feet by four feet?
5. What word in the English Language is always spelled incorrectly?
6. Billy was born on December 28th, yet his birthday is always in the summer. How is this possible?
7. In California, you cannot take a picture of a man with a wooden leg. Why not?
8. What was the President's Name in 1975?
9. If you were running a race, and you passed the person in second place, what place would you be in now?
10. Which is correct to say, "The yolk of the egg are white" or "The yolk of the egg is white"?
11. If a farmer has 5 haystacks in one field and 4 haystacks in the other field, how many haystacks would he have if he combined them all in another field.

Here are the answers:

1. Johnny's mother had three children. The first child was named April. The second child was named May. What was the third child's name?

Answer: Johnny of course

2. There is a clerk at the butcher shop, he is five feet ten inches tall, and he wears size 13 sneakers. What does he weigh?

Answer: Meat.

3. Before Mt. Everest was discovered, what was the highest mountain in the world?

Answer: Mt. Everest; it just wasn't discovered yet. [You're not very good at this are you?]

4. How much dirt is there in a hole that measures two feet by three feet by four feet?

Answer: There is no dirt in a hole.

5. What word in the English Language is always spelled incorrectly?

Answer: Incorrectly

6. Billy was born on December 28th, yet her birthday is always in the summer. How is this possible?

Answer: Billy lives in the Southern Hemisphere

7. In California, you cannot take a picture of a man with a wooden leg. Why not?

Answer: You can't take pictures with a wooden leg. You need a camera (or a cell phone) to take pictures.

8. What was the President's Name in 1975?

Answer: Same as is it now - Barack Obama [Oh, come on]

9. If you were running a race, and you passed the person in second place, what place would you be in now?

Answer: You would be in second.. Well, you passed the person in second place, not first.

10. Which is correct to say, "The yolk of the egg are white" or "The yolk of the egg is white"?

Answer: Neither, the yolk of the egg is yellow [Duh]

11. If a farmer has 5 haystacks in one field and 4 haystacks in the other field, how many haystacks would he have if he combined them all in another field?

Answer: One. If he combines all of his haystacks, they all become one big stack.

You can go back to sleep now! ZZZZZZZ

Dean Martin and Foster Brooks - The Bar Brain Surgeon
 <<http://1funny.com/the-bar-brain-surgeon/>>


Take time to laugh for it's the music of the soul Author: --From an old English prayer



August 2016

PREPAREDNESS LEADS TO READINESS - MATT W8DEC



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3 Skywarn Net 8:30 P.M. 146.745	4	5 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	6 Trip to K3LR's Station 11 A.M
7	8 ARES Net 8:30 PM 146.745 PL 110.9	9 Ham Breakfast Eat'n Park Boardman 8:30 A.M. Board Meeting Eat'n Park Austintown 7:00 P.M.	10	11	12 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	13
14	15	16 WRARC Meeting 7:00 P.M	17 Testing @ ITT 6 P.M.	18	19 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	20  WaveBender Articles Due
21 	22 ARES Net 8:30 PM 146.745 PL 110.9	23 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast	24	25	26 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	27
28	29	30	31		WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	