



The
Wave Bender
October 2017
AWARD WINNING NEWSLETTER



WRARC PREZ SEZ

Greetings, it has been a long summer and we have one major function left. The Youngstown Peace race is coming up on us fast, 10/22! We need volunteers to make this race go as smooth and easy as all the others this year. The public service done by the members of The Western Reserve Amateur Radio Club and other non affiliated volunteers helping us has been outstanding this year. I am truly proud to be associated with such a fine group of people as these.

One thing that should be foremost on your minds right now is the upcoming nomination for the officers to run our club for the next terms of office. A list of the offices to be filled has been published and we are hearing some names. Let's all participate in this process, as these are the people that will guide our club for us into the future.

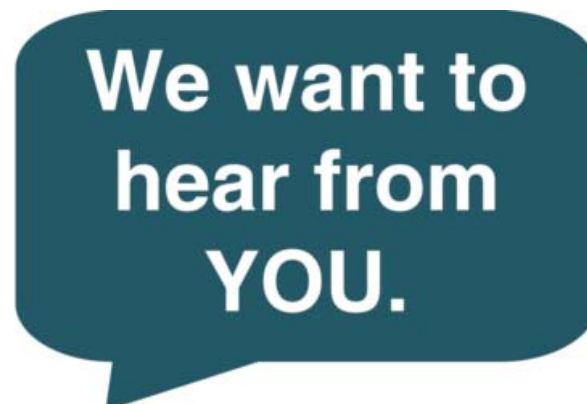
I want to thank the members, and also the officers that have helped me keep our club running in the proper direction through my term in office, without the support and all the hard work they did I could not have kept it all running so smoothly.

I hope everyone had a great summer, and looking forward to a nice fall season.



73, N8RCM, Bob

BECOME A MEMBER OF THE WRARC BOARD



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2017 Officers:

President: Bob Mitzel, N8RCM n8rcm@wrarc.net

VP: Joe Wojtowicz W0JO w0jo@wrarc.net

Secretary: Jo Wilms, KD8SNW kd8snw@wrarc

Treasurer: Rose Marko, KD8TII kd8tii@wrarc.net

Past President: Roy Haren, KD8IJF kd8ijf@wrarc.net

Trustees:

Russ Williams NR8W nr8w@wrarc.net

Darrin Cannon, N8DMC n8dmc@wrarc.net

Roy Haren, KD8IJF kd8ijf@wrarc.net

Appointed Positions:

Social: Maureen Stein, KD8NXS
kd8nxs@wrarc.net

Publicity: Joe Wojtowicz, W0JO
w0jo@wrarc.net

Nets: Steve Fabry, KC8SOY
kc8soy@wrarc.net

Classes/Testing: Bob Mitzel, N8RCM
n8rcm@wrarc.net

Newsletter/Web: Jane Avnet K8JAA
k8jaa@wrarc.net

Historian: Rose Marko, KD8TII
kd8tii@wrarc.net

Badges: Al Avnet, AB8AA ab8aa@wrarc.net

Facebook: Terri Mitzel, N1TAM
n1tam@wrarc.net
Harry Harker, KD8PQK
kd8pqk@wrarc.net

Officer's Meeting:

October 10, 2017, 7:00 P.M. At Eat 'n Park,
Austintown, Eat 'n Park,
5451 Mahoning Ave
All members welcome

Members Meeting:

October 17, Davidsons
3636 Canfield Rd., Cornersburgh

Speaker: Tim Duffy, K3LR
Chief Operating Officer at DX Engineering



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

**OTHER IMPORTANT WEB SITES****THE ARRL EXAM SEARCH PAGE**

<[HTTP://WWW.ARRL.ORG/FIND-AN-AMATEUR-RADIO-LICENSE-EXAM-SESSION](http://www.arrl.org/find-an-amateur-radio-license-exam-session)>

OHIO SINGLE SIDEBAND NET

<[HTTP://WWW.OSSBN.ORG/INDEX.HTML](http://www.ossbn.org/index.html)>

ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (HAAT) CALCULATOR

[HTTPS://WWW.FCC.GOV/MEDIA/RADIO/HAAT-CALCULATOR](https://www.fcc.gov/media/radio/haat-calculator)

FROM OUR VP

Thanks to everyone who helped with this year's Annual Panerathon and the Green Cathedral community fund-raisers. We appreciate all your help. There is one remaining community service event this year and that is the Annual Youngstown Peace Race 10K Run and 2-Mile Walk, www.peacerace.org

We just received confirmation that the event organizers want us back again this year. This will be held on Sunday, October 22nd and we will have more information as we get closer to the date. This is another community charitable event that is perfect for the voluntary communications abilities of amateur radio operators due to the distances involved and our helping local charitable organizations by being additional "eyes and ears" to help those running the event and local first responders. The Peace Race benefits the Akron Children's Hospital Mahoning Valley Diabetes Outreach Program, the St. Vincent DePaul Society, the Rescue Mission of Mahoning Valley, YMCA's Partner in Youth Program, the Fairhaven School/Special Olympics and the Beatitude House.



If you can help with this event, please either call me at (330) 544-5865, or email me at W0JO@arrl.net. I will also be sending out a few emails that you can just click "Reply" and we will have a sign-up sheet at our next monthly meeting.

Our next monthly club meeting will be on Tuesday, October 17th at Davidson's Restaurant, 3636 Canfield Road, Canfield, OH 44406. We have dinner at 6:00pm EDT and our meetings start at 7:00pm EDT. Our scheduled guest speaker is Tim Duffy, K3LR, and Chief Operating Officer at DX Engineering (www.dxengineering.com). We invite all of our members and associate members to the meeting as well as any licensed amateur radio operators who would like to know more about our club, or any individuals interested in the hobby/service of amateur radio.

Please also keep in mind, we have already started accepting nominations for President, Vice-President, Secretary and one Trustee for 2018. The current officers in those positions will not be running again. Therefore, we need our members to consider volunteering for these important positions. Your current officers will support and help our new officers in these positions. Most successful organizations usually run better when all members participate and help. Until the next meeting . . .

73, Joe, W0JO, VP/WRARC

It's not enough that we do our best; sometimes we have to do what's required.
Sir Winston Churchill



October 24 - 26
www.homelandsecurityweek.com
Find out more here

WHAT'S COMING UP?

- Oct. 10 Board meeting - open to all interested members
- Oct. 13 & 14 Haunted Hayride - Boardman Park - Volunteers needed
- Oct. 17 Members meeting - Nominations of 2018 & 19 Officers
- Oct. 18 Testing American Red Cross 3530 Belmont Ave #7,
- Oct. 20 & 21 Haunted Hayride - Boardman Park - Volunteers needed
- Oct. 22 Youngstown Peace Race - Volunteers needed
- Oct. 27 & 28 Haunted Hayride - Boardman Park - Volunteers needed

- Nov. 14 Board meeting - open to all interested members.
- Nov. 21 Member's Meeting - Elections

- Dec. 12 Board meeting - open to all interested members.
- Dec. 19 Member's Meeting

- Jan. TBD Annual Meeting and installation of Officers



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.

KD8DWV - 145.270, PL -110.9

Upcoming Net Control Operators

Al, AB8AA 10/06

Maureen, KD8NXS 10/13

Rose, KD8TII 10/20

Jane, K8JAA 10/26

NOVEMBER This could be you

DECEMBER This could be you



If your name has never been on this list
Contact Steve, KC8SOY to take a turn at Net Control
330-774-6346

WRARC Simplex Frequency 146.565

Mahoning County ARES® Nets

1st Monday 8.40 PM ET W8QLY Repeater - 146.745 (PL 110.9)

&

3rd Monday 8.40 PM ET W8QLY Repeater - 146.745 (PL 110.9)

ARES thanks 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

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; N8SY, W5YI, the ARRL and the World-Wide Web.

About The Peace Race

Fall-lake viewThe Peace Race is not your ordinary Midwest road race. The Peace Race has attracted runners from all corners of the globe since its inception in 1975. The Peace Race is a USATF certified course - 10K and 2 mile run/walk - Oct 22, 2017 9:30 AM

The Location

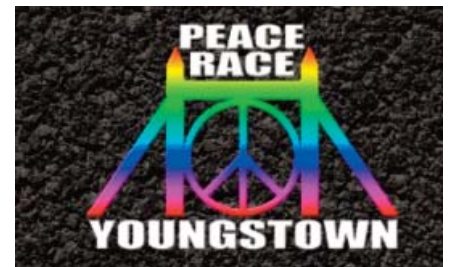
Youngstown - Peace Race's course is in Mill Creek Park.

Benefiting Charities

Proceeds from the Youngstown Peace Race benefit several area charities, including:

- Akron Children's Hospital
- Mahoning Valley Diabetes Outreach Program
- St. Vincent De Paul Society
- Rescue Mission of Mahoning Valley
- YMCA's Partner in Youth Program
- Fairhaven School/Special Olympics
- The Beatitude House

Contact Joe, W0JO, to volunteer

**OCTOBER HAUNTED HAYRIDE**

OK it is now time to start thinking about getting out the long-johns, and the HTs out of their boxes, check and charge the batteries, and go out into the woods. No, we are not going hunting for deer or rabbit. We are going out after creepy people. Now these creepy people will be hiding in Boardman Park. Yes, in Boardman Park! They are there after the little kids that go out on those October weekends to have fun in the woods by scarring people while on the Haunted Hay Ride.

The Haunted Hay Ride is a fund riser for the 4H kids in Mahoning County. It runs for three week ends in October. We usually meet at the log cabin at 6:00 p.m. - at that time we see where everyone will find out where, in the woods, they will be stationed. Now if we have a lot of volunteers, then you can be with someone, if you'd like - and if you want - YOU can scare the riders along with the kids.

The Haunted Hay Ride will tentatively take place on the weekends of October 13 & 14 (there'll also be pumpkin Carving Contest for the kids), 20 & 21, & 27 & 28. NO SUNDAYS!

We meet at the log cabin around 6:00 P.M. We come back in around 10:00 to 10:30 P.M., on some nights, it can go 'till 11: 00. I hope that people will volunteer and join the fun. Yes, we do have fun, even if it's cold.

73 to all,
Bill Egan, KD8HCQ
330-565-4342

NOMINATION COMMITTEE REPORT

Wow. Where did our summer go? Time flies by when you're having fun right? I think we can all agree on one thing. A longer summer! ... warmer weather. Recently, we had a gathering out at the Boardman Park's Outdoor Family Fun Day Saturday the 16th. I have to say that we did have a good time this year. We set up our normal indoor location, as well as the outdoor location. The biggest part of our fun would have to be the **THIRTY-FIVE** youngsters who got on our handhelds using a simplex frequency.

Maureen Stein, KC8NXS, worked with the children, while Bill Egan, KD8HCQ, walked around (mostly in the woods) speaking to each one, asking them simple things such as their name, if they are having fun and most importantly in Bills eyes (haha). "Are you coming out to the Haunted Hay Ride next month? If you are, say hello to my friend KITTY!! Let us not forget Bill's helper, Roy Haren, KD8IJF, kicking it in also from within the indoor location with the kids. I'd like to also mention we had an HF radio set up by Steve Fabry, KC8SOY, mainly listening to 40 meters with his Yaesu 857 and Eagle One antenna. The bands weren't exactly in our favor that day, but it was good for a while. Others that volunteered their time were, Les Breen, W8LTB, Donna Haren, Rocky Leroy, W8RKY, Mark Stein, KD8YMK and his girlfriend Megan Scutillo. Thanks to all who came out to help.

By the time you all read this, our current officers would have communicated to you at our most recent September WRARC meeting, that we need YOUR help to keep our club going. The club MUST have a new President, Vice President, Secretary, and one Trustee in our next upcoming election, or WRARC may be in jeopardy of folding up. Please consider taking on a position and please rest easy that your current officers will personally guide anyone that is newly elected into these positions for a smooth transition. Let's ensure our success in the upcoming years. You may reach out to our nominating committee. They are Darrin Cannon, N8DMC, Roy Haren, KD8IJF <harens@juno.com>, and Steve Fabry, KC8SOY <kc8soy@yahoo.com>. I would like to say Thank You to those who have accepted nominations thus far:

President – Brian Lewis, AB8BL
 Vice President – Maureen Stein, KD8NXS
 Secretary – Stan Adamski, KB3WPD
 Trustee – Bill Egan, KD8HCQ
 Steve Fabry, KC8SOY

Nominations are still open, if you'd like to run for an office, or you know someone who is willing to run, let one of the nominating committee know.

73's for now ...
 Darrin Cannon, N8DMC
 (330)720-4454
 Darrincan@gmail.com

Get on the Air

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? maybe 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!!



TO ALL MEMBERS & ASSOCIATE MEMBERS:

To those of you who couldn't make it to our last WRARC meeting, you missed a really good guest speaker who talked about various factors that are crucial to the success of good amateur radio clubs.

Our guest speaker was Tom Sly, WB8LCD, who has been a licensed Amateur Radio Operator since his youth and was the first President of the Portage County Amateur Radio Service, www.portcars.org. and still active, which is a very successful amateur radio club. He helped our founding members form WRARC.

One of the "key" factors he spoke about was an effort for a little more participation by ALL members and associate members.

Does this mean that a member or associate members has to do everything the club does every time? No, that's not what that means. We know our members and associate members may get sick, have to work or have family obligations which always come first. But, what it does mean is that as a member you can:

1. Try to attend as many monthly club meetings as you can?
2. Try to be on as many weekly nets as you can?
3. Try your hand at net control for some of those weekly nets?
4. Try writing an article for one or more of our monthly newsletter?
5. Try helping at one or more of our community service events?
6. Try volunteering for one of our open club officer positions?

If all of our members would just do a few of the above or a little more, overall it would make a significant impact on the success of our club.

Tom also, spoke about how appreciative charitable community fund-raising event organizers are of our club and our volunteer services. I know many of you probably don't see these, so I have attached some recent ones and will quote them below to show you just how much they appreciate our club, its members and what we do. We should all be proud of our club and the unique services we provide to our communities and this also gets our club name out in front of more people who know who we are and what we do.

Thank You card from Ashlee Mauti, Director of Marketing for Covelli Enterprises, Inc. and who runs the Annual Panerathon for our third year participation . . .

Joe, W0JO



THANK YOU ,THANK YOU



JOE
Thank you for all of your help with this year's Panerathon. It's such a pleasure working you and your team. We are not able to pull off an event of this size without your help.
Thank you,
Ashlee

9/20/2017 Print

Subject: RE: Western Reserve Amateur Radio Club - Green Cathedral Shirts

From: Carol Vigorito (CarolV@Millcreekmetroarks.org)

To: jtwojo@sbglobal.net

Date: Friday, September 15, 2017 5:16 PM

Hi Joe,

Many thanks to you and your group for all of the assistance with the Green Cathedral! I hope we can work together again next year.

Thank you for sending the t-shirt sizes. Unfortunately, the largest size that we ordered this year, based on usage from years past, is 2XL. We give the t-shirts out just as an extra race volunteer perk, and they are not something that I can reorder again until next year at race time. I will package up the other sizes that you ask for and put in 10 of the 2XL instead of 6, if you think that it will be acceptable. I will certainly keep the larger sizes in mind for ordering next year, but I'm sorry I can't do much about the stock this year. I will also send along some actual race shirts from past years races to make up for the deficiency...maybe your volunteers can give them to friends or family if they can't use the shirt themselves.

Ford Nature Center is open 10 am - 5 pm Tuesday through Saturday and Noon to 5 on Sunday.

Best,

Carol V.

Carol Vigorito

Recreation & Education Director

Mill Creek MetroParks

Ford Nature Center

about:blank

Email from Carol Vigorito, Executive Director of Mill Creek park and their annual Green Cathedral fundraiser for our first year participation . . .

Many thanks to you and your group for all of the assistance with the Green Cathedral! I hope we can work together again next year.

9/20/2017 Print

Subject: RE: 2017 Youngstown Peace Race

From: Al George (algeorge@aol.com)

To: jtwojo@sbglobal.net

Date: Tuesday, September 19, 2017 8:15 AM

Hi Joe, the route is the same. The 10k starts at 10am. Go to psrace.org for complete race details. Thanks again,
Al

Sent from my iPhone

On Sep 18, 2017, at 7:16 PM, Joseph Wojtowicz <jtwojo@sbglobal.net> wrote:

Any changes in the route? What time does it start?

On Sep 18, 2017, at 2:11 PM, Al George <algeorge@aol.com> wrote:

Yes absolutely! I was going to contact you soon to discuss. The date is 10/22. You guys are great. YPD likes having you on the course too.
Al George
330 54C 3708

Sent from my iPhone

On Sep 18, 2017, at 1:52 PM, Joseph Wojtowicz <jtwojo@sbglobal.net> wrote:

Al:

Just checking with you.

Are you still involved with the Youngstown Peace Race?

If so, do you want our club to help again?

about:blank

Email from Alex George, who is one of the people running the Annual Youngstown Peace Race in response to my email asking if they wanted us back again for our second year participation .

Yes absolutely! I was going to contact you soon to discuss. The date is 10/22. You guys are great. YPD likes having you on the course too.

So attached, as you can see, the people we serve with what we do really appreciate us and what we do. If we all tried just a little more, we can accomplish a lot.

3
Can we count on you to try a little more?

SWAP'N SHOP

**Antennas, Tower, and Radios plus other stuff for sale**

Kenwood TH-22AT 2 Mtr HH	\$ 15
Nye Viking, MBI-001 Tuner,	\$ 50
AEA model QT-1, Antenna tuner	\$ 15
Pyramid Power Supply model PS-25	\$ 30
Swan SWR-1A SWR/ Pwr Meter	\$ 5
Andrew F4PNMV2-HC N Male connector	\$ 5 ea

Code Keys, MFJ and Misc. Equipment for sale

Bencher ST-1CW Paddle	\$ 50
Coax Switches (3)	\$ 5 ea
Code Keys Straight (3)	\$ 5 ea
Code Key J-37 key on a J-44 Base	\$ 10
Iicom IC-AG1 430Mhz Preamp	\$ 10

KENT Single Paddle	\$ 15
MFJ MFJ-204B Antenna Bridge	\$ 20
MFJ MFJ-906 6 Mtr Antenna Tuner	\$ 40
MFJ MFJ-9040 40 Mtr CW transceiver	\$ 30
MFJ MFJ-945 Antenna Tuner	\$ 20
MFJ MFJ-492 Memory Keyer	\$ 20
MFJ MFJ-464 CW Reader/ Keyer	\$ 40
MFJ MFJ-484 Grandmaster Memory Keyer	\$ 20
MFJ MFJ- 812 VHF SWR/ Power Meter	\$ 5

Heathkit and Ten-Tec Equipment for sale

Heathkit HM-9 QRP Wattmeter	\$ 15
Heathkit HFT-9A Antenna Tuner	\$ 20
Heathkit HG-10 VFO	\$ 15
Heathkit AM-2 SWR/ Power Meter	\$ 10
Heathkit HM-11 SWR/ Power Meter	\$ 10
Heathkit SB-600 Speaker	\$ 10
Heathkit IM-10 VTVM	\$ 10
Heathkit DX-60 10 thru 80 Meters HF	\$ 40
Heathkit 75 Meter Single Bander	\$ 40
Heathkit GR-88 152-174Mhz Receiver	\$ 10
Heathkit VTVM Model IM-11 (A)	\$ 10
Ten-Tec Kit Shortwave Receiver Model 1253	\$ 40
Ten-Tec Kit 6 Mtr Transverter	\$ 20
Ten-Tec Power Supply 252G	\$ 25

**Will accept all reasonable offers.
Misc tower parts, lots contact me if interested.
AI, AB8AA, 330-207-3296 or ab8aa@arrl.net**

A NOTE FROM ROSE

Ladies and Gentlemen of WRARC, are coming to the end of the year and the last major event of WRARC, the Youngstown Peace Race, held on Sunday, October 22. This, too, is a very important event, because it is the third major race after the Panerathon and the Green Cathedral, which were held in August and September. We will need as many volunteers as possible to do this race.

Please, just think about what our Board Members have been asking of you these last few months. We would really appreciate you getting involved. That means you, our members, but that won't happen if you don't participate. And it won't happen next year, if WRARC is dissolved, because no members want to volunteer to fill the Board positions that will be needed to keep WRARC going. Please, think about continuing with WRARC. Amateur radio is a very important tool to use in events like these and in major disasters that may occur in our community and our valley.

On Another Note - With the end of the year fast approaching, I would like to know if you'd like our monthly YL breakfasts to continue starting November. I would like to see it continue, so that we can keep in touch with each other, if by chance the club should fold. I know we will be losing Jane Avnet, K8JAA, as one of our regulars, she is moving out of state sometime next year. I would like to see some new faces at these breakfast get-togethers. If you would be interested in joining us, my email address is: kd8tii@zoominternet.net.

73, Rose, KD8TII

GREEN CATHEDRAL RECAP



AB8AA brought the Net up at 8:25 A.M. with roll call. All volunteers were on station and radios were all working. All stations were to use tactical call signs to better identify their locations.

Half Marathon started at 8:30, the 5K and dog race (?) started at 8:45. The day was cool and sunny a perfect day for running. Mill Creek Park is truly a Green Cathedral, so beautiful!

None of the runners had a problem, but AB8OP's car battery died late in the race. WB8YHD and KD8IJF got him started. Runner 1602 lead most of the race. Best time was 3hrs, 10 min, 56 seconds, didn't get the bib number of that runner. We started securing stations about 11:00 A.M. The Net was Secured at 11:45, the only problem reported at the brunch, held after the race, at Eat 'n Park in Austintown, was - the map that was provided us was a little confusing.

A World War II, B-17 Bomber flew over the race from the Vienna Air Base, and there was least one runner from Canada.

W0JO and KD8IJF did an excellent job as the liaison between the Ham volunteers and the Green Cathedral race committee. Also, they made sure all stations were marked with red flags ahead of time. Note to volunteers - please return all flags etc. to either Joe or Roy.

Thanks to all of our volunteers: AB8AA, Net Control Operator; AB8OP; K8JAA, Scribe and backup NCO; KB3WPD; KC8SOY; KD8IJF, liaison; KD8NXS; KD8NZF; KD8QNY; KE8ALR; N8DMC; N8RCM; NR8W; W0JO, the main liaison; WB8YHD. These Hams represented four Mahoning Valley organizations: WRARC, MVARA, ARES, and 20/9. The race committee was very happy with our help.

Special thanks to KD8DWV and KC8WY for interrupting the Irma Hurricane Net from Florida so we could use the 145.270 repeater. The hurricane net was brought up again as soon as we returned the repeater to normal use, Our thanks to K8STN.



SEMI-ANNUAL COMMUNITY SERVICE EVENT.

WOW, what a beautiful day! No rain or clouds, but it was HOT! Thirteen of us met at Bob Evans in Canfield for a leisurely breakfast before venturing out to do the September Rt. 466 clean up.

Russ spoke to one of the servers at Bob Evans when he arrived, to get tables for us so we could all sit together. The server had run in the Panerathon and told Russ how comforting it was to see us along the route, helping with the race.

Thanks to Al, AB8AA, Darrin, N8DMC, Dave, KE8ALR, Donna Haren, Jane, K8JAA, Mark, KD8YMK, Maureen, KD8NXR, Megan Scutillo, Mark's girlfriend, Rose, KD8TII, Roy, KD8IJF, Russ, NR8W, Steve, KC8SOY, and Ted, KD8IJE, for coming out to help get it done.

Russ, Jane (with Donna's help), and Maureen drove our volunteers out to do the clean up and back in when they were done. They also distributed extra bags when they were needed. It took us a little less than two hours to finish the Rt. 446 road clean up.

Megan found a car's registration and an unexpired license plate during the clean up. Maureen took them to the Canfield State Highway Patrol office right next to the clean up site.



BIRTHDAYS THIS MONTH

- K8JAA Jane Avnet
- WF8U Chris Monske
- KD8HCQ Bill Egan
- KD8SSB Shirley Boles
- KD8NXS Maureen Stein
- KW8GEB George Burin
- KB8TPG Doug Sage
- KD8WOF Joe McElroy



THE ARRL LETTER FOR SEPTEMBER 21, 2017

From Hurricane Redux: Amateur Radio Community Fires Up for Maria

Caribbean Island residents and the Amateur Radio community hardly had a chance to catch a breath from Hurricane Irma, as recovery operations continue, before Hurricane Maria was knocking on the door. The Hurricane Watch Net (HWN) activated September 18 on 14.325 MHz and on 7.268 MHz (after dark). The VoIP Hurricane Net activated the same day to track Hurricane Maria and its potential impact in the Caribbean. WX4NHC, the Amateur Radio Station at the National Hurricane Center, activated to receive weather information from both nets, while the Caribbean Emergency Weather Net (CEWN) was called up on September 18 on 3.815 MHz (and/or 7.188 and 7.182 MHz as propagation dictates) to provide round-the-clock coverage during the passage of Hurricane Maria and in the storm's immediate wake. It has been handling health-and-welfare traffic in and out of Dominica and is accepting inquiries via e-mail. (Indicate your name and location, as well as that of the party sought).

The Federal Emergency Management Agency (FEMA) opened 60-meter interoperability nets on September 19, using Channel 1, 5.330.5 MHz (primary voice traffic) and Channel 2, 5.346.5 MHz (digital traffic). These will remain active until the storm has passed and the need for these nets no longer exists.

The Salvation Army Team Emergency Radio Network (SATERN) has been on Delta II extended monitoring status on its 14.265 MHz frequency. "Although the US Virgin Islands were heavily damaged, it was apparent that they had some limited communications capabilities and other resources," SATERN National Liaison Bill Feist, WB8BZH, said on September 21. "Puerto Rican operators reported that there was an island-wide power and communications blackout. It was reported that Amateur Radio seemed to be the only communications that were operational, and that was somewhat limited, as many 2-meter repeater systems were still not operational."



Maxim Memorial Station W1AW at ARRL Headquarters resumed its normal schedule of transmissions on Thursday morning, although the station has not yet been reopened to visitors. W1AW will continue monitoring active nets and 60-meter interoperability channels as needed. The station was helping to support the communication response to Hurricane Maria, monitoring the HWN,

SATERN, the VoIP Hurricane Net, and the Caribbean Emergency Weather Net (CEWN), as well as checking Winlink2000 e-mail and providing interoperability support by keeping various frequencies open for hurricane traffic. The station was staffed around the clock during the communication emergency.

The Hurricane Watch Net, the VoIP Hurricane Net, and WX4NHC stood down on September 20. The HWN was active for about 60 hours.

 Visit the ARRL website for updates on Hurricane Maria and Hurricane Irma news and information, as well as the ARRL news page.

Reports of Hurricane Devastation on Dominica Relayed by Amateur Radio

In the immediate aftermath of then-Category 5 Hurricane Maria's passage over Dominica on Monday, Frans van Santbrink, J69DS, on St. Lucia checked into the VoIP Hurricane Net to relay damage reports he'd gathered via repeater conversations with other hams there. The New York Times also reported and posted audio that Amateur Radio was a primary source to gather initial damage reports from the storm-ravaged Caribbean Island nation of some 70,000 residents. US-based Julian Antoine, J73JA, solicited reports via a VoIP connection with the J73MAN repeater on Dominica.

"All power lines are down, our telephone lines are down, internet lines, everything is down," came a reply to Antoine's inquiry. "Roads are blocked with debris. No confirmed information on fatalities or injuries."

A subsequent responder reported, "Lots of flooding, water coming into windows and doors," while another indicated that though he was "nice and dry now," he had lost his roof and was at a shelter. "From what I've seen so far, it's pretty bad," another report stated. The same responder said he could see some landslides too, along with broken trees and utility poles. "It's just damage all over," John Christian, J73CC, said.

Continued page 14

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VoIP Hurricane Net Operations Director Rob Macedo, KD1CY, told ARRL that he recorded the audio that The New York Times used on Tuesday while he was monitoring the J62DX-L link on EchoLink.

In his report to the VoIP Hurricane Net, van Santbrink recounted a damage account from Kerry Fevrier, J69YH, in Roseau, Dominica. "Trees down, river has flooded half the village, cars are all over, most houses have lost their roofs or are destroyed, the area between his house and the church is just flattened...in his words, 'devastation is total,'" van Santbrink told the net.

He also heard from J73CI, who lost his roof; J73WA on the northern end of the island, who lost his tower and was uncertain how he was going to weather the back end of the storm, and J73MH, who also lost his roof and was "just hunkering down and hoping for the best."

Emergency Communications Director, IARU Region 2, Area E Noel Donawa, 9Y4X, reported on September 21 that the Office of Disaster Management in Dominica's capital, Roseau, is now in operation using Amateur Radio communication. "Only official traffic will be handled to assist in getting government services functional," he said. "As soon as personnel from the Regional Security System (RSS) search-and-rescue damage assessment teams are deployed, health-and-welfare messages from family and friends will be addressed.



As of Wednesday afternoon, the Caribbean Emergency Weather Network (CEWN) continued to handle outbound health-and-welfare and other necessary traffic from Dominica on 7.188 and 3.815 MHz. The net has requested a clear frequency. No emergency operations center had been established, airports remained closed, and damage assessment of the seaports was under way, which would determine how soon relief supplies and significant human resources can access the island. -- Thanks to the VoIP Hurricane Net; The New York Times; Rob Macedo, KD1CY; Jeff Austin, 9Y4J.

**We lost a regular on our
Friday night net
KB8JFF-SK**



**Many people wait throughout their whole lives for the chance to be good in their own fashion.
Friedrich Nietzsche**

KASPERSKY

The Russian connection- DHS instructs government agencies to stop using Kaspersky Lab's software Published 14 September 2017

DHS on Wednesday, referring to reports about the links between the Russian cybersecurity company and Russian intelligence agencies, ordered all U.S. government agencies to stop using Kaspersky Lab software products. DHS gave the agencies thirty days to identify any Kaspersky products they were using, and ninety days to remove all such products. A former FBI official, referring to Eugene Kaspersky, the company founder, said: "He wouldn't help us at all... From the early 2000s, it was felt Kaspersky was an FSB [the successor agency of the KGB] guy and everything he'd developed was just a huge front."

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The DHS directive was signed by Elaine Duke, the acting DHS chief.

"The department is concerned about the ties between certain Kaspersky officials and Russian intelligence and other government agencies, and requirements under Russian law that allow Russian intelligence agencies to request or compel assistance from Kaspersky and to intercept communications transiting Russian networks," Duke wrote.

Kaspersky, a Russian software company run by a London-based holding company, reported \$644 million in revenues last year. The company claims that 400 million users around the world – among them 270,000 corporate clients — are using its anti-virus and anti-malware software.

Kaspersky angrily reacted to the DHS directive, calling the allegations "completely unfounded" and said "it does not have unethical ties or affiliations with any government, including Russia."

Kaspersky's four-paragraph statement continued: "Kaspersky Lab has never helped, nor will help, any government in the world with its cyber espionage or offensive cyber efforts and it's disconcerting that a private company can be considered guilty until proven innocent, due to geopolitical issues."

The BBC reports that the DHS directive is the latest sign of growing U.S. concern about the Russian cybersecurity company.

In July, the General Services Administration (GSA) dropped Kaspersky from a list of approved vendors for some government purchases.

In a May Senate intelligence committee hearing, the leaders of the U.S. intelligence community all said they would not be comfortable with Kaspersky software on their computers.

Cyberexperts say that antivirus software offers a would-be hacker a perfect vehicle. These applications operate in "God mode", being allowed access to every part of a user's hard drive and transmitting digital information back and forth to a remote server controlled by the antivirus provider.

Experts say that, theoretically, the Russian government could instruct Kaspersky to compromise U.S. government computers by implanting malicious software update. "If it were controlled by a malicious cyber actor, because of the technology, he's going to have access to every single file on your computer," said Anthony Ferrante, senior managing director of FTI Consulting in Washington.

The BBC notes that U.S. counterintelligence agencies have been monitoring Kaspersky for several years. Around 2012, the FBI investigated an informant's tip that the company had compromised the U.S. government's encrypted telephone system. This summer, FBI agents interviewed several Kaspersky employees, including Eugene Kaspersky, the company founder.

KASPERSKY - CONTINUED FROM PAGE 15

Kaspersky was educated at a KGB-backed technical college and briefly worked for a Russian defense ministry scientific institute.

A former FBI official told the BBC that “He wouldn’t help us at all... From the early 2000s, it was felt Kaspersky was an FSB [the successor agency of the KGB] guy and everything he’d developed was just a huge front.”

James Lewis of the Center for Strategic and International Studies (CSIS) said that U.S. reliance on Russian cybersecurity products was a legacy of better relations in the immediate aftermath of the end of the cold war. “The Russians were supposed to be our friends,” he said. “There’s a lot of leftovers in US policy since the time we thought the world would all be happy market democracies.”

www.homelandsecurityweek.com

Thanks to Scott Van Der Wal, KB3KQY

FCC UPDATED RULES

FCC's Updated Rules Governing Personal Radio Services
Become Effective on September 28
(from ARRL Bulletins)

The FCC recently adopted a comprehensive reorganization of and update to the rules governing the Personal Radio Services (PRS). These include a wide variety of wireless devices used by the general public for personal communication, including hand-held Family Radio Service (FRS) transceivers, radio-controlled models, Personal Locator Beacons (PLBs), medical implant devices, and others.

In addition to the updated rule changes, the FCC enhanced the General Mobile Radio Service (GMRS) to allow new digital applications, allot additional interstitial channels, and extend license terms from 5 to 10 years. It also allotted additional channels to the FRS and increased allowable power on certain FRS channels from 0.5 W to 2 W. It also updated the Citizens Radio Service (CB) rules to allow hands-free headsets, eliminate a restriction on DX communication, and remove other outdated requirements.

“These changes and others will update PRS rules to be more in line with current public demands for the services and will make the rules easier to read and find information, while also removing outdated requirements and removing unnecessary rules,” the FCC said.



My photographs don't do me justice - they just look like me.

-Phyllis Diller

FCC OPENS 630- AND 2200-METER BANDS;

SB QST @ ARL \$ARLB018

ARLB018 FCC Opens 630- and 2200-Meter Bands; Stations Must Notify UTC Before Operating

The FCC has announced that the Office of Management and Budget has approved, for 3 years, the information-collection requirement of the Commission's March 29 Report and Order (R&O) that spelled out Amateur Radio service rules for the two new bands - 630 meters and 2200 meters. The R&O in PDF format can be found at, https://apps.fcc.gov/edocs_public/attachmatch/FCC-17-33A1.pdf .

Notice of the action appears in today's edition of the Federal Register. Before using either band, stations must notify the Utilities Technology Council (UTC), formerly the Utilities Telecom Council, that they plan to do so, and if UTC does not respond within 30 days, they may commence operation.

The website to notify the UTC is, <https://utc.org/plc-database-amateur-notification-process/> .

Last March 27, the FCC adopted the 2012 World Radiocommunication Conference (WRC-12) implementation Report and Order (ET Docket 15-99), amending its Amateur Radio rules to - in the FCC's words - "provide for frequency-sharing requirements in the 135.7-137.8 kHz (2200-meter) and 472-479 kHz (630-meter) bands."

Section 97.313(g)(2) of those rules requires that, prior to starting operation in either band, radio amateurs must notify UTC that they intend operate by submitting their call signs, intended band(s) of operation, and the coordinates of their antenna's fixed location. The new rules do not permit any mobile operation.

"Amateur stations will be permitted to commence operations after a 30-day period, unless UTC notifies the station that its fixed location is located within 1 kilometer of Power Line Carrier (PLC) systems operating on the same or overlapping frequencies," the FCC said. PLC systems are unlicensed. "This notification process will ensure that amateur stations seeking to operate [on 630 or 2200 meters] are located beyond a minimum separation distance from PLC transmission lines, which will help ensure the compatibility and coexistence of amateur and PLC operations, and promote shared use of the bands."

The FCC announced that it is making effective immediately the Part 97 rule amendments, Part 97.3, 97.15(c), 97.301(b) through (d), 97.303(g), 97.305(c), and 97.313(k) and (l), which do not require OMB approval.

NNNN

/EX



Ready Your Antenna

IF MY BODY WAS A CAR!

This is just so funny - scary how true it is!!!

If my body was a car, this is the time I would be thinking about trading it in for a newer model. I've got bumps and dents and scratches in my finish and my paint job is getting a little dull. But that's not the worst of it.

My headlights are out of focus, and it's especially hard to see things up close.

My traction is not as graceful as it once was. I slip and slide and skid and bump into things even in the best of weather.

My whitewalls are stained with varicose veins.

It takes me hours to reach my maximum speed.

My fuel rate burns inefficiently.

But here's the worst of it.

Almost every time I sneeze, cough or sputter,

Either My Radiator Leaks or My Exhaust Backfires!

“Men fight for liberty and win it with hard knocks. Their children, brought up easy, let it slip away again, poor fools. And their grandchildren are once more slaves.”

— D.H. LAWRENCE





October 2017

CALENDAR

PREPAREDNESS LEADS TO READINESS - MATT W8DEC



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 National Homemade Cookies Day	2 ARES Net 8:30 PM 146.745 PL 110.9	3	4 Skywarn Net 8:30 P.M. 146.745	5	6 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	7
8	9 Columbus Day	10 Ham Breakfast Eat'n Park Boardman 8:30 A.M. Board Meeting Eat'n Park Auatintown 7:00 P.M.	11 Take Your Teddy Bear to Work Day	12	13 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	14 Haunted Hayride 
15	16 ARES Net 8:30 PM 146.745 PL 110.9	17 WRARC Meeting 7:00 P.M.	18	19  WaveBender Input Due	20 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	21 Haunted Hayride 
22 Peace Race 	23	24 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast	25	26	27 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	28 Haunted Hayride 
29	30 National Candy Corn Day & Mischief Night	31 Halloween 			WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	