



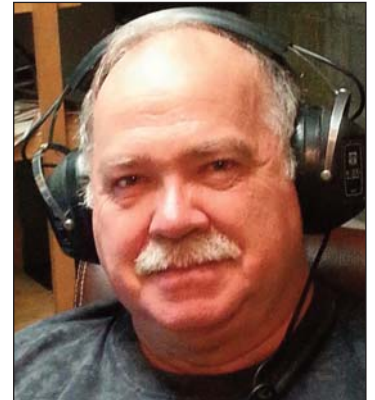
# The Wave Bender

September 2016



## WRARC PREZ SEZ

Another month has come and gone, and August was a good month in general, we did the tour of K3LR which was very impressive and enjoyable. Then came the DX open house and some new handhelds for N1TAM and myself which are working very nicely. Al and Jane were gone for a bit so I got to do my first solo test session which Al says I didn't mess up too bad, so I guess that is considered a good thing. Debbie Breen passed her Tech test so we have a new full member in the club now.



I also started to work on my idea of getting the clubs working together as HAMS for the good of the community. I was invited to attend the ARES corn roast at Boardman Park and talk to them about what I had in mind. I am happy to report that once there I had many nice conversations with the friendly folks there, and found out that quite a few of them are of a like mind about the clubs working together. Since a lot of them are members of MVRA it was nice to be able to meet with them at the same time. I was given the opportunity to join their group at the African American Wellness Walk and work a station with them. This is a pre Panerathon event and went smoothly with no problems. I enjoyed the morning and getting a chance to work with another club.

And of course our premier event of the month, The Panerathon will be run in the morning as I sit typing this and will be history for another year as you read what I have written, but expect it to go off smoothly as before with hopeful cooperation from mother nature, but she is in a grouchy mood tonight so we shall see.

Other than that, I am happy to report that the Picnic has been rescheduled for Sept 10 at 1500, but we are planning on setting up a HF rig early so that anyone that would like to get on the air can have that chance.

I will be sending out an email regarding the Fall Rt. 446 road clean up, tentatively we are looking at Sept 17 at this point, but will let you know for sure after the board meeting.

I will make my column a little shorter this month, I look forward to seeing everyone at the picnic as well as the good food they bring. LOL

73 to all, Bob N8RCM

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## RUN FOR TRUSTEE



Are you interested in serving as an officer for WRARC? If so, please let your interest be known to the nominating Committee.

The WRARC office which need to be filled is one Trustee. If you like a challenge, run for Trustee because you never know what job will come your way. Contact the nominating Committee if you want to run. No nominations will be accepted if the person nominated is not willing to run. Nominations will be taken from the floor at the September and October meetings. Remember our elections are in November and the new Trustee will take office in January.

**Taken from the SOP posted on the WRARC website <<http://www.wrarc.net/>>** - Duties and Responsibilities of Trustees - **TRUSTEE:** The Trustees shall be responsible for all club equipment. They should be able to tell the board and membership where and who has what. They are to take on any special task asked of them.

FROM OUR VP

As I write this month's article, it's the day before our second annual Panerathon 2016 community fund-raiser. Hoping the weather cooperates and all goes well. On behalf of the officers and board, I'd like to thank all of you who helped with this worthwhile event.

Moving forward, I'd just want to remind everyone of our upcoming events and to please mark your calendars. On Saturday, October 8 we will, once again, be providing voluntary communications services to the "Walk to End Alzheimer's." The location will be the campus of Youngstown State University and we will be meeting at the WATTS center on campus. The time will be announced as we get closer to the date.



Also, we have a new event this year. At least new for our club. The forthcoming event is actually the 42nd Annual Youngstown Peace Race which I believe was formerly called the "International Peace Race." When looking for events for our club to participate in I was surprised that, at least in recent memory, no other local Amateur Radio Club was involved. This will be both a 10K, a 2-Mile Walk/Run and 400 Meter Kids Run and will be on Sunday, October 23, 2016.

The 10K will follow a fast point-to-point course starting from the intersection of Kirk Road & South Schenley Avenue, winding through scenic Mill Creek park, and finishing on Federal Plaza in downtown Youngstown. All three races finish at the monument at the intersection of Federal Plaza & Wick Avenue under the official finish line race banner. Recently, it appears this event is growing each year and the proceeds benefit local charities. We will have more information as we get closer to the event, but would appreciate anyone who can offer 4 or 5 hours of their time that day to help as this course is actually much longer than the Panerathon.

Also, don't forget our new member, Bill Egan, KD8HCQ, is spearheading the annual Haunted Halloween Hay Rides again in Boardman Park. He has asked our members for assistance with these which I believe are held the three weekends (i.e., both Friday and Saturday evenings) before Halloween. If you can spare a weekend evening or two, he'd greatly appreciate your help. As the date approaches, we'll have more information as to dates/times, etc.

Our September club meeting is scheduled for Tuesday, September 20, 2016 and will be at Davidson's Restaurant, 3636 Canfield Road, Canfield, OH 44406. We meet for dinner at 6:00 P.M. EDT and our meeting starts at 7:00 P.M. EDT. Our scheduled speaker will be Angela McClellan, Executive Director of the Coalition for a Drug-Free Mahoning County whom I'm sure will be very informative and interesting. We encourage all of our members and associate members to attend and also welcome any new licensed amateur radio operators or anyone who's interest in learning more about amateur radio.

73, Joe, W0JO, VP/WRARC

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THE TREASURERS REPORT

Now is the time for all good men and women to step up to the plate and become part of our extraordinary Ham radio club. We have 57 members and plenty of events for all new and long time members to take advantage of. There is the Friday night net which is enjoyable and very easy to do. I should know. I started doing the net last December and I've been enjoying it ever since. All you have to do is follow a script. It's that easy and you get to talk to other hams who aren't even a part of our club. We have the Community Service Event-446 Cleanup this month and coming in October is the Walk to End Alzheimers and the Peace Race. All these events are special for our club in that they show the community what our ham radio club and it's operators are all about. Won't you please join us in participating with a great group of people who are the best Ham Radio operators in the valley.



73, Rose KD8TII

**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:**

September 13, 2016, 7:00 P.M. At Eat 'n Park,  
 Austintown, Eat 'n Park,  
 5451 Mahoning Ave  
 All members welcome

**Members Meeting:**

September 20, Davidsons  
 3636 Canfield Rd., Cornersburgh

**Speakers:** Angela McClellan -  
 Executive Director, Coalition For A  
 Drug-Free Mahoning County



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

**Classes starting in  
September:**

**Technician -  
September 14  
Testing - October 19.**

**General -  
November 9  
Testing - December 21.**

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



**Upcoming Speakers:**

**September-**

**Angela McClellan -**  
 Executive Director,  
 Coalition For A Drug-Free  
 Mahoning County

**October -**

**Bob Naumann, W5OV**  
 Sales Manager at DX Engineering.

**November-**

Another person from DX Engineering

**December - Open -**  
 Suggestions please!

WHAT'S COMING UP?

- Sept. 13 Board meeting - Eat'n PARK, Austintown  
open to all interested members.
- Sept. 10 Club Picnic 3:00 P.M.
- Sept. 17 Community Service Event - Road Clean up
- Sept. 20 Members Meeting
- Sept. 21 Testing at ITT
  
- Oct. 08 The Walk to End Alzheimers
- Oct. 11 Board meeting - Eat'n PARK, Austintown
- Oct. 18 Members Meeting
- Oct. 23 Youngstown Peace Race



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

OTHER 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>>

"Socialism is a philosophy of failure, the creed of ignorance, and the gospel of envy. Its inherent virtue is the equal sharing of misery"

- Winston Churchill

CONTACT WRARC ELMERS WITH YOUR QUESTIONS - [QUESTIONS@WRARC.NET](mailto:QUESTIONS@WRARC.NET)

Avnet, Allan AB8AA

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

ab8aa@arrl.net

Beatty, Dave KC8WY

Yaesu FT8900, FT8800, Mobile ???

kc8wy@zoominternet.net

Fabry, Steve KC8SOY

kc8soy@yahoo.com

Haren, Roy KD8IJF

harens@juno.com

Williams, Russ NR8W

Electrician, tele-data, Amateur Extra

rwiliams@neo.rr.com

Wojtowicz, Joe W0JO

ICOM radios, D-Star

w0jo@arrl.net

He who is afraid of asking, is afraid of learning

Used with permission



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](mailto: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**

- Sept. 02 Brian, AB8BL
- Sept. 09 Roy, KD8IJF
- 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**

**1<sup>st</sup> Monday 8.30 PM ET W8QLY Repeater - 146.745 (PL 110.9)**

**&**

**3<sup>rd</sup> 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 september 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; N8SY, KB8Y, W5YI, the ARRL, Facebook, and the World-Wide Web.

**COMMUNITY SERVICE EVENT**

September 17 will be the Adopt a Highway Cleanup. Meet at Perkins, in Canfield, at 9:00 A.M. for breakfast, cleanup will start around 10. Will need 8 to 9 volunteers. Our cleanup area is just arond 2-miles.

**Guide-lines for Highway Cleanup**

What to wear

1. Dress for the weather
2. light colored clothes
3. a safety vest (supplied by ODOT)
4. work type shoes
5. heavy gloves
6. hat & long sleeved shirt
7. bring a bottle of drinking water
8. if you have a pick up device bring it



Parking your car:

1. a least 10 feet from traveled surface, we also can park inside the fair grounds.
2. cars along side highway should leave their 4 way flashers on.

Safety:

1. work facing traffic
2. work daylight hours only
3. before starting be sure signs are posted correctly
4. do not wear headset radios or tape players
5. do not pick up items from traveled portion of highway
6. do not pick up heavy objects
7. do not pick up roadkill

Other:

1. ODOT will provide trash bags
2. ODOT will provide safety vests (which must be returned)
3. ODOT will pick up filled trash bag after we are done

A complete copy of the Safety breifings will be available to each of you on Saturday September 24, 2015. See you at Canfield Perkins that morning. This will be a good event for our enviornment and will be fun for all. We should be finished around 11:00 AM. Rain Date undecided, to Volunteer, contact Bob,N8RCM.



**42ND ANNUAL YOUNGSTOWN PEACE RACE**



The 42nd running of the Youngstown Peace Race is not to be missed! Join with runners from across our state, nation and globe as we celebrate competition, friendship and understanding.

The 2016 Peace Race 10K, 2-Mile Walk/Run and 400 Meter Kids Run will be on Sunday, October 23, 2016. Start times: Kids Fun Run – 9:00 AM; 2-Mile Walk/Run – 9:30 AM; 10K Race – 11:00 AM. For the latest details, visit the Youngstown Peace Race website:

<<http://youngstownlive.com/events/41st-annual-youngstown-peace-race/>>

We will need more volunteers than usually come out for this event. Contact Joe, W0JO, if you'd like to be a part of this event.



*Being a good Radio Operator is 3% talent 97% Not being distracted by the internet or your ipad.  
KD6KHJ Aug. Q5 Downey, CA*

K3LR

The trip to visit K3LR was just a short jaunt across the OH/PA line, and the day was beautiful. Tim and his wife live a couple miles East of Hubbard. There were 10 of us KD8IJF & Donna, AB8AA & K8JAA, N8RCM, N1TAM Keeley & Bowen, W0JO, KB8WPD, KE8ALR, and KD8NXS who showed up to enjoy the tour. Tim took everyone except Jane, Maureen, and Donna on an extended tour of his property and his contest station. Tim has moved some of his towers, built a place for Hams, who are working the contests, to take a break, and added on to his garage since we were there last. Those who went on the tour enjoyed seeing all the improvements and looking at all those towers.



CLUB PICNIC SATURDAY, SEPT. 10



It's Amanda KC3GFU here to invite you all to our annual club picnic. This year our picnic will be held on Saturday, September 10, from 3:00 to 5:00 P.M., at the Western Reserve United Methodist Church, 4580 Canfield Rd., Canfield, OH 44406. This is a social event for all club members and their friends & family.

We will be having a potluck style dinner. If you haven't already signed up and would like to do so, please contact me at the contact information below. I need to know what dish you will bring and how many are in your party. The club will provide hamburgers and hot dogs.

We will also be giving away 3 door prizes that were generously donated by local businesses. After dinner we plan to play some ham radio bingo where the lucky winners will get to choose from some great prizes donated by DX Engineering.

Even though this is normally a social only event, because of the date this year we will have a station set up for OSPOTA (Ohio State Parks on The Air). If you'd like to participate in that it will be available to you. Come out and join in on the fun. I hope to see you all there!

73, Amanda , KC3GFU  
 afarone926@gmail.com  
 724.730.4301



2016 WALK TO END ALZHEIMER'S - MAHONING VALLEY, OH

Date: October 8, 2016

Location: WATT Center at Youngstown State University  
651 Elm Street

Youngstown , OH

Schedule: Registration at 8:30A.M. | Opening Ceremony at 9:30A.M.  
Walk at 9:45A.M.

Route Length: 2 miles

Contact Joe, WOJO to volunteer



**ABOUT WALK**

The Alzheimer's Association Walk to End Alzheimer's® is the world's largest event to raise awareness and funds for Alzheimer's care, support and research. Held annually in more than 600 communities nationwide, this inspiring event calls on participants of all ages and abilities to reclaim the future for millions. Together, we can end Alzheimer's disease, the nation's sixth-leading cause of death.

Walk to End Alzheimer's unites the entire community — more than 450,000 participants that include family, friends, co-workers, social and religious groups and more --- in a display of combined strength and dedication in the fight against this devastating disease. While there is no fee to register, each participant is expected to fundraise in order to contribute to the cause and raise awareness. The Alzheimer's Association provides free, easy-to-use tools and staff support to help each participant reach their fundraising goal.

When you participate in Walk, your fundraising dollars fuel our mission-related initiatives of care, support and research. In addition, your actions, both through fundraising and participating in the event, help to change the level of Alzheimer's awareness in your community. Take the first step to a world without Alzheimer's by finding a Walk near you. Once you register, you will have access to a wide range of tools and support through your Participant Center, ensuring a successful and fulfilling experience.

**Our mission**

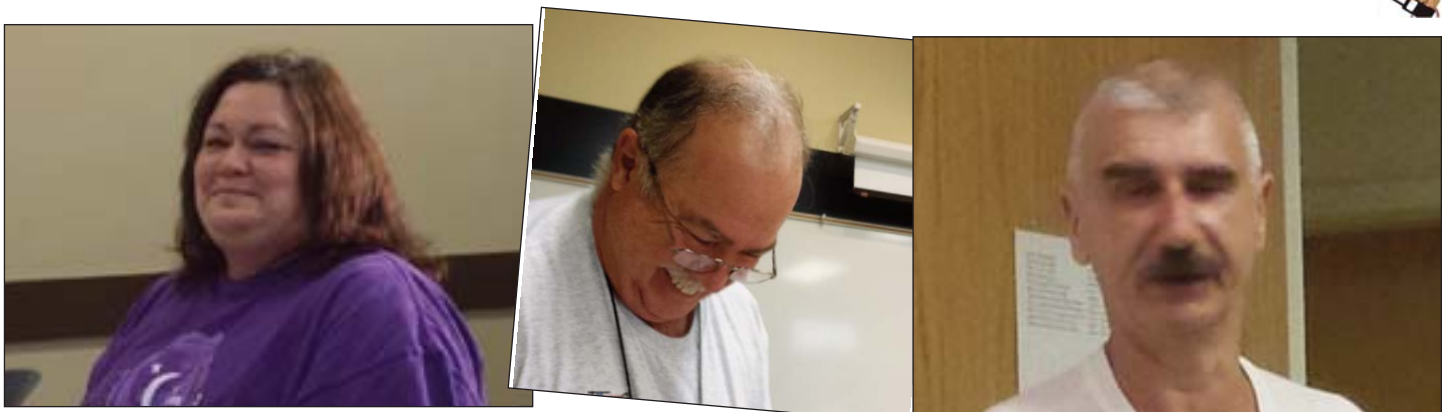
To eliminate Alzheimer's disease through the advancement of research; to provide and enhance care and support for all affected; and to reduce the risk of dementia through the promotion of brain health.



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**AUGUST TEST SESSION RESULTS**



On August 17 there were two people testing for their Technician licences, both passed their exams. Please welcome two new Techs, Ronald Benson, ?, and WRARC member Debra Breen, ?. Those VEs who came out to help Bob, N8RCM, with the ARRL test session were Joe, WOJO, Terri, N1TAM, Roy, KD8IJF, and Kevin, KD8NXR. Thanks to all for your help. Sorry the new call signs not yet available.





2016 PANERATHON



Al, AB8AA, Amanda, KC3GFU, Bob, N8RCM, Bob, AB8OP, Chris, WF8U. Darin, N8DMC, Dave, KD8SDV, David, KE8ALR, Devon, KD8SNV, Frank, KD8YZE, Gabbi, Jane, K8JAA, Joe, W0JO, Mark, KD8YMK, Maureen, KD8NXS, Rocky, KE8ENM, Rose, KD8TII, Roy, KD8IJF, Russ, NR8W, Stan, KB3WPD, Steve, KC8SOY, and Terri, N1TAM - Wow that's 22 volunteers who

came out Sunday morning August 21 to help with the Panerathon. We had two local clubs represented, WRARC, and 20/9. I probably should mention Dave, KC8WY, who couldn't make the event. He helped from his radio room at home. He has been laid up for a couple weeks and couldn't make the event,

K8JAA was net control with lots of help from N1TAM who acted as scribe, and sometime NCO. KD8SOY also took a turn at net control when it was necessary. AB8AA was at the start/finish line. AB8OP was stationed at the ambulance. About 9:20 the net came up. This is the informal part of any event. Volunteers just getting settled at their assigned stations. All were assigned a TAC number to identify who, and where they were located. Net control started roll call/radio check. This being the first event of the year, there were a lot of radio problems. Most got ironed out before the event started at 10. The formal net came up at 9:45.

The event went off with almost no problems. The course started at the Covelli Centre in Youngstown, going into Mill Creek Park, doubling back on the same route to the finish line at the Covelli Centre. Just one participant fell and scraped her elbow. Her injury was minor enough, she had no problem finishing the race. We started securing stations about 11:45. Starting with the turn around, which was farthest out. By noon our part of the event was over.

As you know, Hams must eat to keep their mic finger strong. Those volunteers who could join us, had lunch at Eat 'n Park in Austintown. It is always good to get together after an event to talk over the problems we had, possible solutions, and some suggestions on improving our part in any future event. And, it's fun. WRARC wants to thank all who helped this morning, one way or another, to support our volunteers.

Together with 10,000 participants and spectators, Panerathon sponsors and community supporters raised \$300,000 through the 2015 Panerathon.

To date, the Panerathon has raised \$1.3 million for the Mercy Health Foundation Mahoning Valley in support of The Joanie Abdu Comprehensive Breast Care Center at St. Elizabeth Hospital, the first comprehensive breast care center in the Youngstown area.



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? September 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!!

## FROM ARRL HEADQUARTERS

Newington CT July 29, 2016 - To all radio amateurs

### FCC Proposes Rule Changes in Response to ARRL's "Symbol Rate" Petition, Seeks Comment

The FCC has proposed to revise the Amateur Service Part 97 rules in response to the ARRL's so-called "Symbol Rate" Petition for Rule Making (RM-11708), filed in late 2013, and it has invited comments on its recommended changes. The Notice of Proposed Rule Making (NPRM) in WT Docket 16-239, released on July 28, had been making the rounds at the FCC since May. ARRL had asked the FCC to change the Part 97 rules to delete the symbol rate limits in Part 97.307(f) and replace it with a maximum bandwidth for data emissions of 2.8 kHz on amateur frequencies below 29.7 MHz.

The NPRM can be found on the web in PDF format at,  
[http://transition.fcc.gov/Daily\\_Releases/Daily\\_Business/2016/db0728/FCC-16-96A1.pdf](http://transition.fcc.gov/Daily_Releases/Daily_Business/2016/db0728/FCC-16-96A1.pdf)

"[W]e believe that the public interest may be served by revising the Amateur Service rules to eliminate the current baud rate limitations for data emissions, consistent with ARRL's Petition, to allow Amateur Service licensees to use modern digital emissions, thereby furthering the purposes of the Amateur Service and enhancing the usefulness of the service," the FCC said in its NPRM.

"We do not, however, propose a bandwidth limitation for data emissions in the MF and HF bands to replace the baud rate limitations," the NPRM concluded, "because the rules' current approach for limiting bandwidth use by amateur stations using one of the specified digital codes to encode the signal being transmitted appears sufficient to ensure that general access to the band by licensees in the Amateur Service does not become unduly impaired."

Under the current rules, "specified digital codes" in Part 97 may be used with a symbol rate that does not exceed 300 baud for frequencies below 28 MHz, with the exception of 60 meters, and 1200 baud in the 10 meter band. The baud rate limits were adopted in 1980, when the FCC amended Part 97 to specify ASCII as a permissible digital code.

Comments in the proceeding will be due 60 days after the date that the NPRM appears in the Federal Register.

### ARLB028 FCC Seeks Comments on Waiver Request from Expert Linears

The FCC is inviting comments on a June 11 request from Expert Linears America LLC to waive Part 97.317(a)(2) of the Amateur Service rules to permit it to import, market, and use its model 1.3K FA amplifier in the US. The Texas company is seeking the waiver pending resolution of its earlier Petition for Rule Making (RM-11767), which called on the Commission to eliminate the 15 dB gain limitation on Amateur Radio amplifiers altogether. Expert said the version of the model 1.3K FA amplifier it now imports has been modified to comply with current rules.

"Expert seeks a waiver in order to be able to import the unmodified version of the Model 1.3K FA, which is capable of considerably more than 15 dB amplification," the FCC explained in a July 29 Public Notice. "Expert argues that the public interest would be served by permitting use of a higher-powered amplifier, because it would improve the communications capabilities of amateurs using portable, low-power transmitters by enabling them to approach the maximum legal power output." Expert assured the FCC that its model 1.3K FA has proprietary software to prevent it from transmitting in the 26-28 MHz band, so it cannot be used in the Citizens Radio Service.

The Public Notice can be found on the web in PDF format at,  
[http://transition.fcc.gov/Daily\\_Releases/Daily\\_Business/2016/db0729/DA-16-864A1.pdf](http://transition.fcc.gov/Daily_Releases/Daily_Business/2016/db0729/DA-16-864A1.pdf)



ARRL HEADQUARTERS - CONTINUED FROM PAGE 10

On May 26, ARRL told the FCC that it "strongly supports" Expert'spetition seeking to eliminate the Amateur Service rule, spelled out in Part 97.317(a)(2), that amateur amplifiers not be able to boost the RF input signal by more than 15 dB.

Comments on Expert's waiver request are due by August 29, reply comments by September 13.



DALES TALES

NEWS FROM THE DAYTON HAMVENTION®: The Dayton Amateur Radio Association (DARA) regrets to inform our many vendors, visitors and stakeholders that, unfortunately, HARA has announced the closing of their facility. We have begun execution of our contingency plan to move Hamvention® 2017 to a new home.



DARA and Hamvention® have enjoyed many successful years working together with HARA Arena and we wish the Wampler family the best.

DARA and Hamvention® have been working on a contingency plan in the event HARA would become unavailable. We have spent many hours over the last few years evaluating possible locations and have found one in the area we believe will be a great new home! Due to logistics and timing issues, we will make a formal announcement introducing our new partner. This information will be coming soon. We all believe this new venue will be a spectacular place to hold our beloved event. Please rest assured we will have the event on the same weekend and, since it will be in the region, the current accommodations and outside events already planned for Hamvention® 2017 should not be affected.

We look forward to your continued support as we move to a new future with The Dayton Hamvention®.

Signed:  
 Ron Cramer, General Chairman  
 Dayton Hamvention 2017

73, See you on the bands,  
 Dale Williams WA8EFK  
 Director  
 Great Lakes Division



HERE ARE SOME THOUGHTS FROM AL

Summer is almost over. The club has two tower projects to do before the end of September. One is in Austintown and the other is at the airport in Vienna. We are going to need help with both of these projects. If you want to help please contact me at ab8aa@wrarc.net or 330-207-3296.

The one at the airport will be on Saturday. The other one can be at any time we can get people together. The Panerathon is history and I want to thank everyone that came out and helped. Our next big event is the Youngstown Peace Race in October. We will need to have about 40 people for that event. We ask that everyone sign up to help.

Please when you sign up for an event make sure you come out and work it. If you cannot contact the person running the event so they can try to get someone to fill in your spot. It is important that we do, what we tell the people that are running the event, what we say we will do. When we do not give them good support, it looks bad for us.

Part of being a good Ham is doing Public Service events. This is one of the reasons that we have the bandwidth that we have. Coming up soon it will be contest season. Try to work some of the contests, it will help you if there is ever a real emergency.



73 AB8AA

COLUMBUS HAMFEST & ARRL - OHIO SECTION CONFERENCE SATURDAY - AUGUST 6

What a day it was. . . 2016 ARRL Ohio Section Newsletter Contest Winners.

- 1st Place - The Mike & Key...Greater Cincinnati Amateur Radio Association, INC.
- 2nd Place - The RADIOGRAM...Portage County Amateur Radio Service, PCARS
- 3rd Place (TIE)  
The Voice Coil...Mahoning Valley Amateur Radio Association, MVARA  
and  
ATCO Newsletter...Amateur Television in Central Ohio
- Honorable Mention (TIE)  
CARA COMMUNICATOR...Cambridge Amateur Radio Association
- The Spirit of '76 and '88...Lake Erie Amateur Radio Association



Congratulations to Parky, KB8UUZ, and Mark, K8MSH, both local Newsletter Editors. Both excellent newsletters. The awards were well deserved.

**Allan Severson Memorial Award Winner**



The Allan Severson Memorial Award is bestowed on an amateur radio operator in the Ohio Section who has demonstrated a continuing dedication to the advancement of amateur radio and to the Ohio Section. Usually one Ohio Section member is awarded per year and usually at the Ohio Section Conference in September.

The award had been established in 1992 and was named "Ohio Ham of the Year" until 1999. That year it was renamed after Allan, of Lakewood, Ohio, who had become a silent key in 1997. The award winners listed here are all hams who, like Allan Severson, have dedicated themselves to the advancement of the American Radio Relay League in Ohio.

Although Allan had served the Section as Section Manager and went on to a distinguished career as Great Lakes Division Director on the ARRL National Board of Directors, the annual award announcement only mentions one sentence about him which is part of every memorial award certificate. That sentence quickly demonstrates the reason for the renaming of this award. "Allan's devotion to serve amateur radio inspired a whole generation of Ohio Section leadership."

The award this year goes to none other than: **Ohio Section SCC, John Myers, KD8MQ,** Congratulations John..!!



*BIRTHDAYS THIS MONTH*

- |        |               |        |               |
|--------|---------------|--------|---------------|
| KA8SEI | Edward Soltis | KE8ALR | David Moore   |
| WA8GLF | John Chapman  | KC3GFU | Amanda Farone |
| KC8UNR | Mike Cibella  |        |               |
| N1TAM  | Terry Mitzel  |        |               |

**A WORD FROM OUR EQUIPMENT MANAGER**

Let me ask you a question or two.... Are you an Amateur Radio Operator and belong to the Western Reserve Amateur Radio Club (WRARC) and do not own a radio yet? Did you know that we have donated equipment that you can check out for 90 days at a time?

WRARC has the following donated equipment for members only to check out:

- Alinco Handheld - DJ-195T
- Baofeng Handheld - UV-5R Plus (three in inventory)
- Kenwood 2m Transceiver - TM-281A
- MAX-RAD Mag Mount Antenna - OPEX AM-1043 (two in inventory)
- MFJ Switching Power Supply - MFJ-4225MV
- Quancheng Handheld - TG-UV2
- Wouxun Handheld - KG-UVD1P
- Yaesu VHF FM Transciever - FT 2600 M (two iin inventory)

What do I need to do to check out a piece of equipment? That's as EASY as printing out a short check out form, contacting me, Darrin Cannon, N8DMC by visiting our web page at <www.wrarc.net/> under the Members only tab. I can also email you the form. Once you have contacted me via e-mail, I will have the equipment ready for you to pick up at our next club meeting. The only thing we ask you to do is USE IT AS MUCH AS POSSIBLE during those 90 days. We need to keep our repeaters in use. If we don't, there is always potential of certain bands to go away within the hobby. There are several out there to get on, specifically our club uses the repeater owned by KD8DWV Liz Beatty, on 145.270 with a minus offset and a PL of 110.9 This is also where we check in Friday nights at 9:00 P.M. So please don't let your excuse be that you don't own a radio right now. Western Reserve Amateur Radio Club has you covered!

73 for now...  
 N8DMC – Darrin Cannon  
 WRARC Trustee  
 (330)720-4454  
 mailto:Darrincan@gmail.com

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**GROWTH IN NEW AMATEUR RADIO LICENSEES AHEAD OF LAST YEAR'S**

08/09/2016 - The ARRL Volunteer Examiner Coordinator (VEC) reports that 20,447 new US Amateur Radio licenses have been issued since January 1. That's nearly 1500 ahead of the number that had been issued by this time last year. At the present pace, the US is on track to exceed 30,000 new radio amateurs for the third straight year by the end of the year.

"While I am thrilled with this prospect, I'm also keenly aware that without some mentoring, these new hams' initial curiosity and enchantment may fade if they don't get on the air right away," said ARRL VEC Manager Maria Somma, AB1FM. "Let's show these new hams what the magic is all about," she urged.



In addition, the ARRL VEC reports that upgrades are on track to reach nearly 11,000 by year's end.

**Free people are not equal. Equal people are not free.  
 (Think this one over and over...makes sense!)**

FEMA TEAMING WITH AMATEUR RADIO CLUBS TO PRESENT PREPAREDNESS INFORMATION

September is National Preparedness Month. As part of its focus on educating and getting prepared, FEMA is offering a "Family Emergency Communications Plan," which helps families work out their communication strategies in the event of an emergency. ARRL is partnering with FEMA to offer this material to interested Amateur Radio clubs that are willing to present it in their localities during National Preparedness Month.



While the FEMA presentation focuses on the Family Communications Plan and doesn't specifically mention ham radio, the material offers Amateur Radio clubs a great opportunity to raise their visibility in their communities.



A webinar with FEMA Region 1 Preparedness Liaison Sara Varela took place on Tuesday, August 23, at 8 PM EDT (Wednesday, August 24, at 0000 UTC), to offer background and training for any club wishing to present FEMA's Family Emergency Communications Plan material in September.

Presentation of the FEMA material to local communities should take approximately 1 hour. It will include a PowerPoint presentation and links to worksheets that families can discuss and fill out together.

Clubs are free to offer additional presentations on their activities following the program covering the FEMA material.

Comments in FCC "Symbol Rate" Rule Making Proposal Due by October 11  
 The FCC will accept public comments in response to a July FCC Notice of Proposed Rule Making (NPRM) in WT Docket 16-239 -- the "Symbol Rate" proceeding -- until October 11. Reply comments -- ie, comments on comments already filed -- are due by November 10. The NPRM now has been published in The Federal Register, thus opening the respective 60-day and 30-day comment/reply comment windows.



In response to a 2013 ARRL Petition for Rule Making (RM-11708), the FCC proposed to revise the Amateur Service Part 97 rules to eliminate current baud rate limitations for data emissions, consistent with ARRL's Petition, but it declined to propose a bandwidth limitation for data emissions in the MF and HF bands to replace the baud rate limitations.

ARRL had asked the FCC to change the Part 97 rules to delete the symbol rate limits in Section 97.307(f) and replace them with a maximum bandwidth for data emissions of 2.8 kHz on amateur frequencies below 29.7 MHz.

Interested parties may comment via the FCC's Electronic Comment Filing Service (EFCS), as well as by mail.

**Summer Section Manager Election Results Announced**

**Two incumbent Section Managers were declared reelected in balloted elections that concluded on August 23, when ballots were counted at ARRL Headquarters.**

**In Minnesota, incumbent SM Skip Jackson, KS0J . . .  
 In Ohio, Scott Yonally, N8SY, earned a new term of as SM,  
 out polling Matt Welch, W8DEC, of Windsor.  
 Yonally, of Mansfield, has been Ohio's SM since 2014.**

**Congratulations Scott!**

HAARP

Now Free of HAARP, US Air Force Still Wants to Tinker with the Ionosphere

08/11/2016 - A lot of radio amateurs bemoaning the recent spate of poor HF conditions would love to have a way to improve propagation — perhaps without even having to rely on the whims of the Sun. The US Department of Defense is thinking along the same lines. An August 9 article in New Scientist reports that the US Air Force is exploring a plan to bombard Earth’s upper atmosphere with ionized gas dispersed from CubeSats. According to the New Scientist article by David Hambling, the Air Force hopes to improve long-distance radio communication by “detonating plasma bombs” in the upper atmosphere, and the military branch has contracted with corporate and university researchers to figure out how to make this a reality.

The US Air Force is no stranger to ionospheric tinkering, having just last year transferred the High Frequency Active Auroral Research Project (HAARP) facility to the University of Alaska Fairbanks (UAF), which hopes to restart it next year. HAARP’s super-power RF in the high-frequency spectrum has been used stimulate the ionosphere and create a plasma cloud that could support HF radio propagation; it also has been used to study how the ionosphere functions.

The trick with using CubeSats to disperse ionizing gas above Earth is coming up with a plasma generator small enough to fit within a CubeSat and controlling how the plasma will disperse. New Scientist said General Sciences of Souderton, Pennsylvania, and Enig Associates of Bethesda, Maryland, are working with scientists at Drexel University and at the University of Maryland, respectively, on separate methods to produce plasma.

An August 9 article in Philly Voice by Michael Tannenbaum said the nearly \$150,000 contract with General Sciences and Drexel University proposes to develop a plasma gas generation device “based on the use of highly exothermic condensed phase reactions yielding temperatures considerably higher than the boiling points of candidate metal elements with residual energy to maximize their vapor yield and, with high probability to enter associative ionization (chemi-ionization) reactions with atmospheric oxygen,” the research Abstract explains. The Abstract says researchers also will explore hardware development for controlled-release options. The benefit, according to the Abstract? “New ways of communication will become available to [the Department of Defense] with significant benefits to the defense of the country.”

For its part, Enig Associates has announced that its collaboration with the University of Maryland will lead to “an innovative and novel electrical approach, using in-house designed explosive-driven flux compression generators to convert explosive chemical energy into electromagnetic energy with very high current output and superb energy conversion efficiency.” The researchers will aim to design “an integrated generator device whose form factor fits inside an air-launched vehicle or sounding rocket.”

The New Scientist article said the better approach will be selected for a second phase, which will involve testing plasma generators in vacuum chambers and exploratory space flights.



High Frequency Active Auroral Research Program From Wikipedia, the free encyclopedia  
 "HAARP" High Frequency Active Auroral Research Program Research Station

Aerial view of the HAARP site, looking towards Mount Sanford, Alaska



Established 1993

Field of research Ionosphere  
 Location Gakona, Alaska, United States  
 Operating agency University of Alaska Fairbanks

The High Frequency Active Auroral Research Program (HAARP) was an ionospheric research program jointly funded by the U.S. Air Force, the U.S. Navy, the University of Alaska[clarification needed], *Continued page 16*

HAARP - CONTINUED FROM PAGE 15

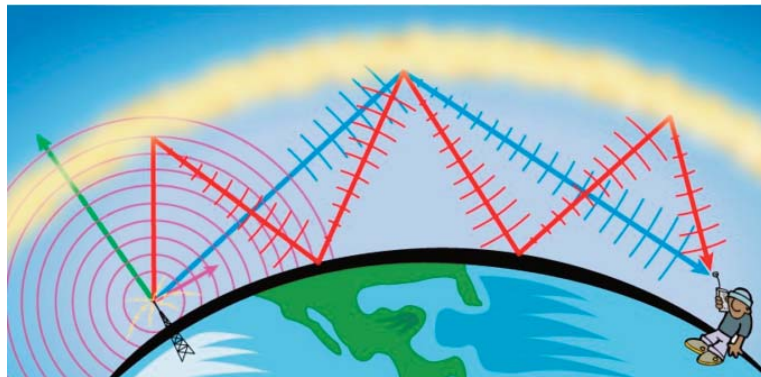
and the Defense Advanced Research Projects Agency (DARPA),[1] designed and built by BAE Advanced Technologies (BAEAT).

Its purpose was to analyze the ionosphere and investigate the potential for developing ionospheric enhancement technology for radio communications and surveillance.[2] The HAARP program operated a major sub-arctic facility, named the HAARP Research Station, on an Air Force-owned site near Gakona, Alaska.

The most prominent instrument at the HAARP Station is the Ionospheric Research Instrument (IRI), a high-power radio frequency transmitter facility operating in the high frequency (HF) band. The IRI is used to temporarily excite a limited area of the ionosphere. Other instruments, such as a VHF and a UHF radar, a fluxgate magnetometer, a digisonde (an ionospheric sounding device), and an induction magnetometer, were used to study the physical processes that occur in the excited region.

Work on the HAARP Station began in 1993. The current working IRI was completed in 2007, and its prime contractor was BAE Systems Advanced Technologies.[1] As of 2008, HAARP had incurred around \$250 million in tax-funded construction and operating costs. It was reported to be temporarily shut down in May 2013, awaiting a change of contractors. In May 2014, it was announced that the HAARP program would be permanently shut down later in the year.[3] Ownership of the facility and its equipment was transferred to the University of Alaska Fairbanks in mid-August 2015.[4]

HAARP was a target of conspiracy theorists, who claimed that it was capable of modifying weather, disabling satellites and exerting mind control over people, and that it was being used as a weapon against terrorists. Such theorists blamed the program for causing earthquakes, droughts, storms and floods, diseases such as Gulf War syndrome and chronic fatigue syndrome, the 1996 crash of TWA Flight 800, and the 2003 destruction of the space shuttle Columbia. Commentators and scientists say that proponents of these theories are "uninformed", because most theories put forward fall well outside the abilities of the facility and often outside the scope of natural science.[5][6]



Ham Radio Operator





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
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

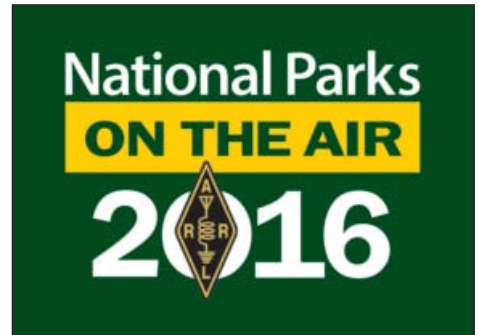
Misc tower parts and Antenna parts, contact me if interested. Will accept reasonable offers.

**If interested make offer. Contact me for information**  
**Allan 'Al' Avnet, AB8AA**  
**E-Mail [ab8aa@arrl.net](mailto:ab8aa@arrl.net)**  
**Voice 330-549-3051 Call or text 330-207-3296**

NATIONAL PARKS ON THE AIR UPDATE

Happy 100th Anniversary to the National Park Service! President Woodrow Wilson created the NPS on August 25, 1916, as a new bureau within the Department of the Interior. Today, NPS oversees many parks and monuments of cultural or historical significance. This celebration is the reason for the ARRL National Parks on the Air program.

NPS celebrated in grand style. On August 24, President Barack Obama created the Katahdin Woods and Waters National Monument in northern Maine. It is the 413th official National Park Service unit, and NPOTA Chasers and Activators will know it as MN84. Who will be the first NPOTA Activator to hand out this new one?



Hams across the country are activating more than 80 units during the NPS Centennial week, including Hawaii Volcanoes National Park in Hawaii, and Pecos National Historical Park in New Mexico. Get on the air and help the National Park Service celebrate!

Details <<https://npota.arrl.org/nps-events.php>> about these and other upcoming activations can be found on the NPOTA Activations calendar.

**Does the 'five-second rule' actually apply?**

**Having an arbitrary rule justifying the consumption of food dropped on the floor within a certain time frame is convenient, especially when said food is a brownie. Unfortunately, tests (and logic) confirm that germs will stick to most foods right on contact.**

## UNRAVELLING THE MYSTERIES SURROUNDING AMATEUR RADIO COMPONENTS

The perfect and well selected DX amateur radio equipment offers more to any particular user than any of the other radio signals transmitting device within the same price range.



A lot has been said and written about ham radio equipments over the years. However, that has not helped in demystifying the numerous misconceptions about ham radio components. The perfect and well selected DX amateur radio equipment offers more to any particular user than any of the other radio signals transmitting device within the same price range.

Below are some of the misconceptions that have been churned with regards to ham radio equipments;

***The usefulness of amateur radio equipments have been far improved by mobile phones***

This is a complete misconception when it comes to amateur radio equipments and their usefulness. Whilst mobile phones are limited in their ability to aid in communications to only speech and text, amateur radio devices go beyond such limits to helping people send radio signals even to the surface of the moon.

Moreover, unlike most mobile phones which are rendered useless during natural disasters that destroy transmissions masts and poles, the amateur radio device remains one of the few communication equipments that remain functional even in times of natural disasters like earthquakes.

***Amateur radio equipments are very difficult to operate***

This is a misconception that has been largely fuelled by the fact that most of the military radio communicating devices involves dealing with very complex features and codes. However, amateur radio devices simply do not make use of such complex features and codes. This is further buttressed by the fact that one only needs to pass his or her Ham License Exam in order to become qualified to operate his or her own amateur radio equipment. They are also made with very simple and easy to understand features that make it very simple to manipulate even by a complete novice.

***Amateur radio equipments are very expensive***

With regards to the various transmission devices that make use of radio signals, amateur radio devices fall within those that are very affordable when their merits are compared with others.

***Ham radio equipments are very low in quality***

The quality of ham radio equipments always come to the fore whenever there is a natural disaster. During such times all other communication equipments like mobile phones become useless as their network signals completely shut down the moment something happens to any of their transmission poles. This is however not the case with amateur radio equipments as they are even able to withstand various natural disasters and become the sole mode of communication among people during such times. This is all down to the fact that any of the various ham radio equipments are made with the highest quality in order to ensure that they are able to withstand the test of time when unforeseen emergencies come knocking without any warning.

These are some of the very common misconceptions that have been associated with amateur radio equipments.

As with every good and durable product, there are always people who will try their maximum best to make sure that they discourage others from patronizing that particular product. However, it should be noted that the merits presented by these amateur radio devices far outweigh any kind of misconception that will be thrown at it.

Contact Name:John StokesCompany: Agora Media Contact Email:click to reveal e-mailContact Fax:cos-mopolita\_rc@yahoo.com

<https://www.journalism.co.uk/press-releases/unravelling-the-mysteries-surrounding-amateur-radio-components/s66/a663039/>



**Einstein once said, 'The definition of insanity is doing the same thing over and over again and expecting different results.'**

**HAM RADIO OUTLET TO ACQUIRE SOME AES EMPLOYEES**

Ham Radio Outlet to Acquire Some AES Employees, Re-Open Milwaukee Location as HRO Branch



Ham Radio Outlet (HRO) has announced plans to hire an unspecified number of Amateur Electronic Supply (AES) employees, when AES shuts down its four locations in late July. In addition, the current AES Headquarters store in Milwaukee will become HRO's newest location later this summer, following renovation. On July 1, AES announced that it was going out of business and ending retail operations at its Milwaukee, Las Vegas, Cleveland, and Orlando locations. With the approval of AES management, HRO senior managers visited each AES location to interview staffers in hopes of "acquiring some of the Amateur Radio retail employee talent in each of the current AES locations," an HRO news release said.

"Together with this interview process, HRO examined what it would take to perhaps acquire one or more of the AES store locations. At the time of these interviews, many opportunities were explored with current AES senior management," the release continued. "We are very excited to announce that HRO was successful in providing offers of employment to a number of soon-to-be-former AES employees, and that to some, we have offered positions that involve HRO-sponsored and funded relocation.

HRO announced that once AES shuts its Milwaukee location at 5710 W Good Hope Road on July 28, Ham Radio Outlet will undertake an extensive remodeling project to create a new HRO Milwaukee store at the same site, which will open at the end of August.

"It is with great pleasure that we are able to continue Terry Serman and Phil Majerus' legacy of providing a fantastic Amateur Radio store in Milwaukee, Wisconsin," HRO President Robert Ferrero, W6KR. "It is our immediate goal to have the largest, most well-stocked Amateur Radio retail store in North America and perhaps even the world." HRO National Sales Manager Steve Gilmore, W4SHG, said the Milwaukee location will be "a showplace that all must come see!"

After AES closes on July 28, all former AES locations' direct and toll-free telephone numbers will be redirected to the closest HRO location, and the AES website will be directed to HRO's website.

A family-owned business, HRO is the world's largest Amateur Radio dealership, with locations from New England to the West Coast. It opened a new outlet in Plano, Texas, in February 2015 and is relocating and expanding its Portland, Oregon, store, which will open on July 25 at 14405 SW Pacific Highway

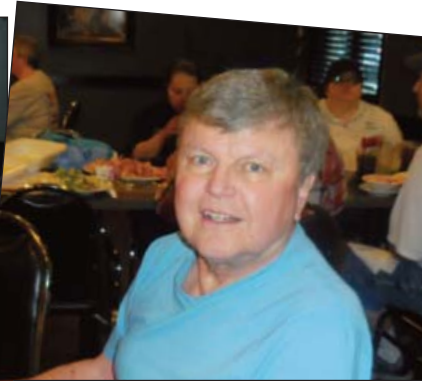
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**HEATHKIT RETURNS TO THE KIT BUSINESS**

08/17/2011- A notice on the Heathkit website announces that the venerable kit manufacturer, well-known to all Amateur Radio operators of a certain age, will be reentering the kit business in late August. The notice states, in part: "Heathkit will debut their new line of Do-it-Yourself kits for common around-the-house items. The first kit will be a Garage Parking Assistant (GPA). The Garage Parking Assistant kit lets you build your own system that uses ultrasonic sound waves to locate your car as it enters the garage. The system signals to the driver using LED lights mounted on the wall when the car is detected and in the perfect spot for parking.

"The GPA-100 kit consists of two primary assemblies -- the LED Display in kit form and the pre-assembled ultrasonic range module. The kit will include everything you need to complete the project except a soldering iron and hand tools.

<https://www.heathkit.com/>





# September 2016

PREPAREDNESS LEADS TO READINESS - MATT W8DEC



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