



The

Wave Bender



October 2014



WRARC PREZ SEZ . . .

2014 Officers:

President: Roy Haren, KD8IJF kd8ijf@wrarc.net
VP: Joe Wojtowicz W0JO kd8rcc@wrarc.net
Secretary: Kevin Stein, KD8NXS kd8nxs@wrarc.net
Treasurer: Maureen Stein, KD8NXS kd8nxs@wrarc.net
Past President: Allan Avnet AB8AA ab8aa@wrarc.net

Trustees:

Steve Fabry, KC8SOY kc8soy@wrarc.net
Chris Monske, WF8U kd8ely@wrarc.net
Harry Harker, KD8PQK kd8pqk@wrarc.net

Appointed Positions:

Nominating Charman: Ted Filmer, KD8IJE
kd8ije@wrarc.net
Social: Maureen Stein, KD8NXS
kd8nxs@wrarc.net
Publicity: Joe Wojtowicz, W0JO
kd8rcc@wrarc.net
Newsletter/Web: Jane Avnet K8JAA
k8jaa@wrarc.net
Facebook/Badges/logo Design:
John Fabry, KC8SPF kc8spf@wrarc.net

Officer's Meeting:

October 14 7:00 P.M. At Eat 'n Park, 8051 Market St.,
Boardman - All members welcome

Regular Meeting:

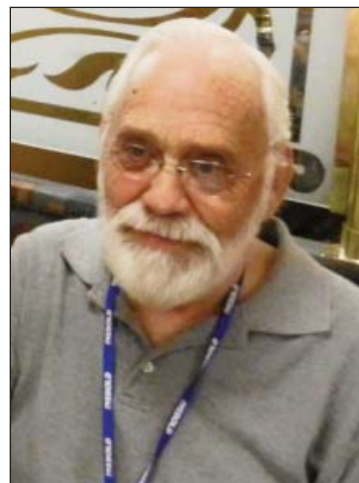
October 21, 7:00 P.M. at Davidson's, 3636 Canfield Rd. in
Cornersburgh

Nominations and Election of Officers
Speaker: Wes Boyd, W8IZC
Topic: Local Radio History

Join us for Dinner before the meeting 6:00P.M.

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

It was a good feeling to be President of our club at our last meeting. We had a great number of our members and guests attend the meeting. Some participated in the presentation given by Dave, KD8NZF, and Nancy, KD8QNY, Brett, on digital voice communications. Let's keep it up and we will thrive in the coming years.



It's election time again. This year we have one position to fill on the board. We will be looking for a 3-year trustee to fill the position vacated by Steve KC8SOY, who is in his last year. If you are interested in the trustee's position and want to be nominated, see Ted KD8IJE. He will register you as a nominee.

We have some great events coming in October. On the 11th is the Walk to End Alzheimer's at the YSU Campus. It starts at 10:00 A.M. after the festivities. Don't forget the Step Out: Canfield Walk to Stop Diabetes at the Canfield Fairgrounds on October 19 starting around 9:00 A.M.. Everyone is welcome to come out and participate in these events. We, as a club, want to keep these important events coming back next year.

Thanks, and 73
Roy KD8IJF President

ELECTIONS IN NOVEMBER

TED, KD8IJE, IS HEADING THE
NOMINATING COMMITTEE
WE NEED TO ELECT - ONE TRUSTEE

INTERESTED IN RUNNING?
CONTACT TED! kd8ije@wrarc.net

OUR VP SEZ . . .



Joe, W0JO. VP

At the risk of sounding redundant, your Club Officers and Trustees would like to see a really good turnout of our membership for the Alzheimer's Walk on Saturday, October 11 and the Diabetes Walk on Sunday, October 19. If you need information about these events, please call one of us. Our contact information is on our website at www.wrarc.net and we will be giving more details on our Friday night nets for the next several weeks.

Recently, I happened to stumble upon a really good website for amateur radio, <http://www.radioqrv.com/> QRV, in amateur radio lingo, means "Are You Ready." On the home page, there is their main feature titled, "Discovering Amateur Radio." In that part of the home page, there are two of the best, well-done and informative videos (in my opinion) that I've seen that really explain amateur radio. One is a condensed version lasting 19 minutes and the full version lasting 32 minutes. Both are high-quality and can be watched online or you can also download them FREE.

In addition to the videos, there are clearly marked icons for Propagation Reports, Ham Shack Charts, Exams and Study Aids, Antenna Patterns, Videos and Education materials. I highly recommend the site for our new members and even our seasoned ones. As we all know, this hobby is a continuing learning experience.

Hope to see you all at our community service events this month.

WHAT'S COMMING UP?

- | | |
|---------|---|
| Oct. 11 | Walk to end Alzheimer's |
| Oct. 14 | Board Meeting |
| Oct. 19 | Walk to Stop Diabetes |
| Oct. 21 | Meeting at Davidson's |
| | Nominations and Election of one Trustee |
| | Speaker Wes Boyd, W8IZC |
| | Topic: Local Radio History |
| Oct. 15 | Testing at ITT - Contact Al 330-549-3051 |
| Nov. 11 | Board meeting |
| Nov. 18 | Meeting At Davidson's Speaker Karen Conklin, from the Red Cross |
| Dec. 9 | Board Meeting |
| Dec. 16 | Meeting at Davidson's Speaker Ed Brannan; Topic; Terrorist Activities |
| Dec. 17 | Testing at ITT - Contact Al 330-549-3051 |
| Jan. 20 | After the Holidays Annual Dinner/Meeting/Installation of officers |



One French Airbus: \$200 million dollars

Untrained Arab Flight Crew: \$300,000 Yearly Salary

Unread Operating Manual: \$300

Aircraft meets retaining wall and the wall wins.

PRICELESS !

Join us for the WRARC Friday night Net 9:00 P.M.
145.270, PL -110.9

Upcoming Net Control Operators

Oct 3 Noah N3DZH
Oct 10 Dennis KD8SNA
Oct 17 Joe W0JO
Oct 24 Ted KD8IJE
Oct 31 Jane K8JAA

Nov 7 Harry KD8PQK
Nov 14 This could be you
Nov 21 This could be you
Nov 28 This could be you

Dec all dates open



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

Ask The Elmer Net Right after the Friday Night Net
KC8SOY Moderator

Mahoning County ARES® Nets

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

&

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

We thank MVARA for the use of their repeater

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

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

Ohio ARES Admin frequency 3875 kHz LSB

moves to 7240 Khz after 20-min.

All are welcome to check in.



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

Please note all digital communications are Upper Side Band.

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

COLUMBIANA COUNTY DIGITAL NET

Wednesdays 8:30 pm - 9:30 pm

145.510 MHZ SIMPLEX

NBEMS/FLDIGI is being used training on the message handling
capabilities of FLDIGI/FLMSG. Start with BPSK-125 other modes may 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; KD8IJE, AB8AA, W0JO, KD8NZF, KC8SOY, KC8PQK, KC8UNR, WF8U, W8IZC, KC8SNA, KC8PD, KB8UUZ, W8DEC, N8SY, KB8Y, KB8MNE, W8OFB, N6ISY, K8JAA, W5YI, the ARRL and the World-Wide Web.

OSPOTA 14- BEAVER CREEK STATE PARK

OSPOTA Team Beaver Creek was at Beaver Creek State Park Saturday, September 6, from 1600 UTC to 2400 UTC. We invited all WRARC members to come out to operate with us, or simply come out and just say 'Hi.' Beautiful Beaver Creek State Park is a 2,722-acre Ohio state park in Columbiana County. The park is near East Liverpool on the banks of Little Beaver Creek. It is close by and easy to find. We set up our stations at the RC Airplane Fly-in Field across from Horsemen's Camp, on County Road 428/Sprucevale Rd. We posted signs with the Club letters WRARC at intersections. We invited all members to come out early, to help us set up, to operate, or just have some fun.

We set up five stations. With very limited seating members planning to come out were asked to bring a chair for their comfort. Members operating were Chris, WF8U, Dennis, KD8SNA, & Rose, KD8TII, Roy, KD8IJF, Steve, KC8SOY, and Al, AB8AA & Jane, K8JAA. Bill, KD8TZH, Noah, N3DZH, & Dick, KC3CTN, Bob, LD8YYH & Terry KD8YYE, and Maureen, KD8NXS came out to either operate, help, or observe.

The day started out to be a spectacular late summer afternoon with plenty of sunshine. Did I mention something about Horsemen's Camp? Well, the bugs remembered. They were all there and brought all their friends.

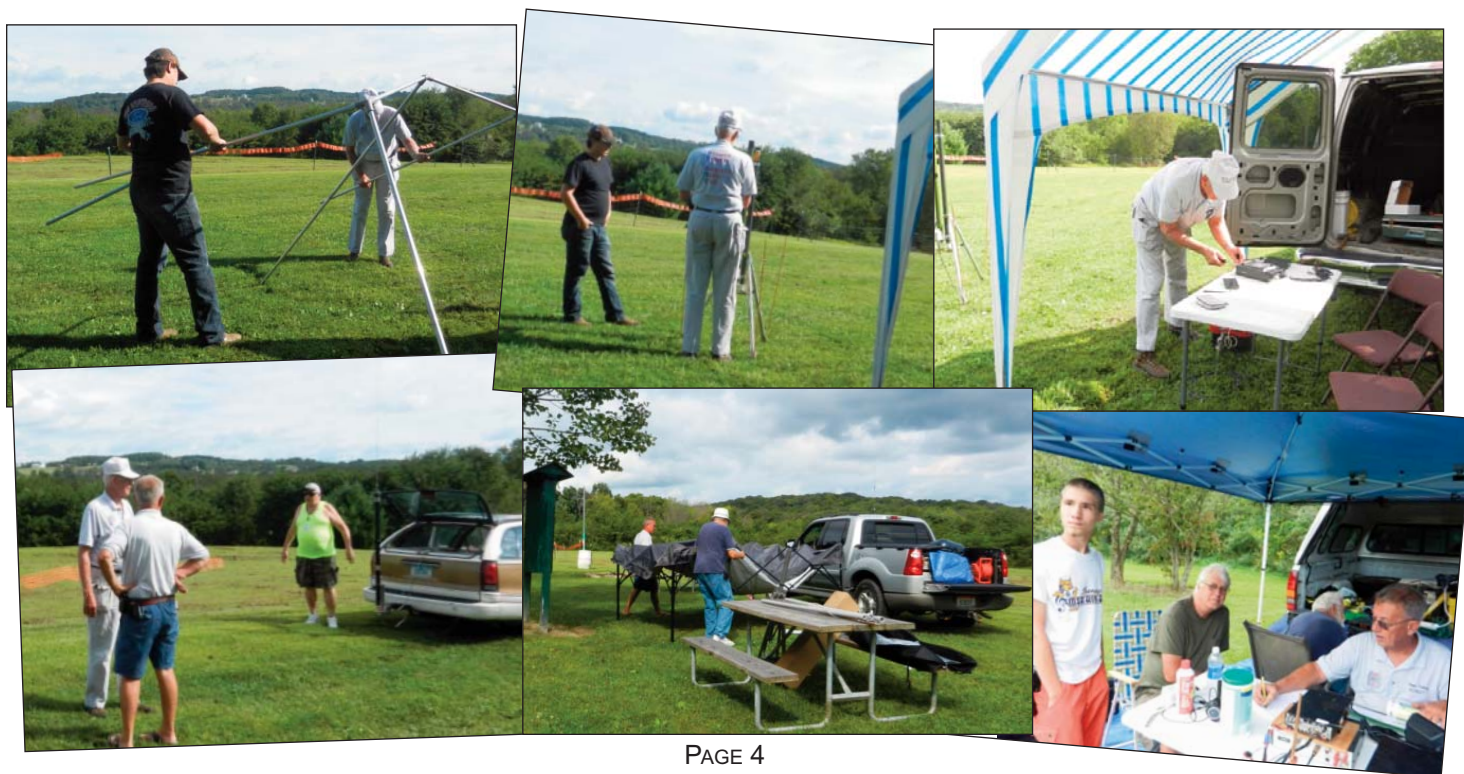
We tested everything at home before bringing it out. Everything was working, or so we thought. Everyone who got there early pitched in to help setup the five stations.

Al and I tried to make a contact on 20m, but, we weren't heard. We thought it must be the antenna, so we decided to put up long wire. Before we could try the new antenna, the generator was needed. We couldn't get it started. Remember I said everything worked at home? Steve went to town and got a spark plug, and some ether. One of them worked, maybe both, because the generator started right up.

All of a sudden a strong wind hit us and sent tarps, our sun canopy, and Hams flying. The sky turned ominous, and shortly a light rain started. With a severe rain storm threatening, we took most everything down. Some of us left. Others stayed hoping to make more contacts. Wasn't that why we were all there? Chris made five and a half pages of contacts. Some of us either had problems that we thought were solved before we got there, or were helping others solve theirs..

Well, all I can say is, I had fun, we tried, some of us succeeded, but, there is always next year. This is why we do things like Field Day, OSPOTA, or Special Events, we are practicing and ready when an emergency strikes. Next time we will remember to bring bug spray along with our radio gear which is tested, how many times?

73 Jane, K8JAA, ye ed.



OSPOTA 14 - WESTBRANCH STATE PARK



Mike KC8UNR

I would like to thank everyone who participated in OSPOTA this year! Team W8B was at West Branch State Park. It began cloudy, and cold. We spent about two hours setting up, two stations. Due to a variety of reasons our team ended up only having four operators. However, that was soon to change temporarily to two.

I had to leave and come back, and another operator had a family emergency. When I came back with coffee, and I am glad I did, it had started to drizzle. Within a few minutes the wind started blowing, and the rain turned into a downpour. Soon the rain was almost horizontal, and the radios were getting damp!

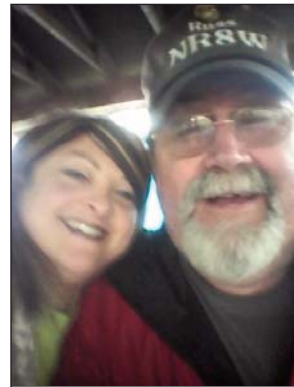
We quickly covered the equipment with blankets, and towels I had brought for some dumb reason. I dug out the two tarps and we fashioned a wind and rain break wall against the open shelter house. We continued to operate at least with hot coffee for a while, then when everyone was cold, wet, and tired we decided to wrap up W8B. Another hour plus in removing antennas, and packing up.

I want to thank N8RW, N8QE, KD8SKL for their work. Everyone said they had a good time even though the weather was super crappy. Hope next year the weather is at least not rainy, or hot!

73- Mike KC8UNR



Generator

Amy KD8SKL &
Russ NR8W

The cat "Almond Joy" is helping me clean and repack my ospota gear

WE ARE THE AMATEUR RADIO SERVICE

We have three Public Service events coming up in October. We need you to volunteer. I just received an email from Parky KB8UUZ, the editor of the Radiogram, the award winning newsletter from PCARS. Al and I are members. This explains, better than I can, how important your license and some basic training means to the Amateur Radio Service. We are considered a service, "When All Else Fails," by the FCC, but, not without some experience and training.

We, Al and I, were out in Southern California for more than twenty years where they regularly have earthquakes and an annual 'fire season.' We learned how important it is to be trained and ready. We participated in Public Service events whenever we could. Took any training that was offered. I was the unofficial Public Service Events Coordinator for the Orange Section. (I found this out after we left, and they tried to find someone to replace what I was doing.) We did this for the last ten years we were living there. We had an event almost every weekend, sometimes twice. You now have an opportunity to learn net etiquette by participating in local Public Service Events and the Friday night net. There is no better way to learn this basic skill.

Field Day and OSPOTA are a little different in that we learn to how set up and operate a station in less than optional conditions. There again this experience will help when we are needed and there is no public power available, and the cell phones are so overloaded they are of no use.

Now let's get to the email I talked about in the beginning of this article -

From: "KB8UUZ via qst" <kb8uuz@gmail.com>

Take a look at this video:

ARRL National Centennial Convention 2014 - FEMA Administrator Craig Fugate's Keynote Speech on the importance of Amateur Radio in emergencies

<https://www.youtube.com/watch?v=Ovi8KMtFL6w&feature=youtu.be>

73, Jane, ye ed

2014 Walk to End Alzheimer's - Youngstown, OH

Saturday October 11, 2014 Add this event to your calendar

Registration at 8:30A.M. - Opening Ceremonies at 9:30A.M.

Route Length: 2 miles

WATTS Center - Youngstown State University

651 Elm Street, Youngstown, OH 44555

Contact Roy, KD8IJF, to Volunteer



http://act.alz.org/site/TR?fr_id=5340&pg=entry



STEP OUT | WALK TO STOP DIABETES

American Diabetes Association.

2014 Step Out: Walk to Stop Diabetes

Sunday, October 19

Canfield Fair Grounds

Registration 8:00 A.M. - the walk begins at 10:00

just a 1.5 or 3 mile walk around the perimeter of the fairgrounds

Contact Roy, KD8IJF, to Volunteer

www.diabetes.org/stepoutcanfield

2014 Step Out: Walk to Stop Diabetes event in Canfield on Sunday, October 19, 2014 -- I would like to thank you for your involvement in the past and I am looking forward to having Western Reserve Amateur Radio Club help us out again this year.

We would need you there at 8:00 A.M. The walk actually begins at 10:00. If you would like to find more information the website for the event is www.diabetes.org/stepoutcanfield. The route will be very similar if not the same as last year, just a 1.5 or 3 mile walk around the perimeter of the fairgrounds.- *via email*

It's that time of year again for the Boardman Haunted Hay-ride sponsored by the local 4-H. If you don't know about it, we go out in the woods to keep the bad guys, that haunt/hide in the woods, away from the participants. Hot chocolate will be served. You will need:

- a charged HT with batteries
- coat (optional)
- chair (optional)
- longjohns (optional)
- gloves (optional)



We will meet at the Log Cabin around 5:30 or 6:00 P.M. We will go out into the woods around 6:30 P.M. We will be finished around 10:30 or 11:00 P.M. This event will take place on the following October weekends: *Fri. 10.Sat.11; Fir.17 Sat 18; Fri.24. Sat. 25.*

There will be pumpkin carving on the first weekend for the little ones. You will have fun and we hope to see you there.

73, Bill Egan, KD8HCQ and KITTY

Contact Bill to volunteer. By phone - HPhone 330-549-5754 or CPhone 330-565-4342 or email <popbottle@zoominternet.net> .**Who is Kitty?** *Kitty is Kitty, you need to come out to meet him, Bill can't say what or who he is. You have to see Kitty for yourself -*

WRARC AT BOARDMAN PARK'S OUTDOOR FAMILY DAY

At the Board Meeting on September 9, Darrin, N8DMC, told us we had the opportunity to advertise WRARC and Amateur Radio by having a table at Boardman Park's Outdoor Family Day event, no cost to the club. The Board agreed, and we asked for your help.

A few members got to Boardman Park bright and early Saturday morning, Sept 13, We were scheduled to be there 11:00 A.M. to 5:00 P.M. Steve, Roy, Al and Jane pitched in and set up our tables in the corner of the Larriccia Family Community Center, Rotary Room. There was a live Blue Grass Band in the opposite corner with the Public Library across from them. Across from us was the Springfield Grille. There were folks there who had some tanned hides from various local animals. Some I didn't know were local, or are extinct here now. In the other room there were some stuffed animals, birds, and some live birds. I didn't know you had to get permission to keep this type of critter. One red tail hawk had a wing so badly damaged it couldn't fly.

Across from the Community Center, a Boy Scout troop was doing an overnight camp out. They came in to visit us signally and in small groups. We talked to a lot of people about Amateur Radio and WRARC. It was a fun, relaxing late morning and afternoon. Even though the Springfield Grille was serving venison on a bed of grits with gravy and saute apples, YUM, we had pizza for lunch. Thank you Steve for your trip to a local pizzeria.

Those members who did take time out of their Saturday to come out and help were: Steve KC8SOY, Jane K8JAA, Al AB8AA, Roy KD8IJF, Chris WF8U, Noah N3DZH, Dennis KD8SNA, Rosemary KD8TII, Donna Haren, Mark KD8YMK, Maureen KD8NXS, Joe W0JO, and Stan KD3WPD. Thankyou.

We tore down early, about 4:30, even though we were one of the last exhibitors to do so. While we were tearing out table down, the Boy Scouts came in one by one to 'steal' the candy we had left one handful at a time. Since none of us wanted it, and it probably wouldn't keep until Spring when we do the Home and Garden show, we decided they could have the rest as long as they shared it with all the other scouts that were camping just outside the building.

After the work was finished, we went to Perkins for an early dinner and shared our experiences. Thank you Darrin - it was so much fun!

You don't stop playing because you get old, you get old because you stop playing!!



WRARC's BUSY WEEKEND - 9-27-14

Saturday, September 27 was the WRARC semi-annual Community Service road clean-up on RT 446 in Canfield. We met at 9:00 A.M. at Canfield Perkins for breakfast before going to the clean-up staging point at Mill Creek Metro Parks Farm parking lot, across from the Canfield Fairgrounds. We got there about 10:A.M.ish. With many volunteers, we got the job done in about an hour. It was a beautiful fall day, which let our volunteers enjoy the rest of that beautiful day.

ODOT provided safety vests (which were returned) and trash bags. And they picked up filled trash bags after we were done. Those who came out were AB8AA, KD8IJE, KD8YYE, KD8YYH, NR8W, KD8IJF, W0JO, KB3WPD, KD8SNA, AB8BL, WF8U, W8SDD, KD8YMM, KC8SOY, and K8JAA. Job well done, thanks!

Some of these members spent the afternoon at the Beaver Township Autumn Fest, held at Beaver Township Nature Preserve, talking to the public about Amateur Radio and of course WRARC, our Club. AB8AA and K8JAA left the clean up early so they could set up the Club's table. It was scheduled to start at 1:00 P.M. and run until 5:00. The Nature Preserve is on State Route 165, 0.1 mile West of new Buffalo RD or about 1-1/4 mile west of the fire station in Beaver Township. Those members who joined AB8AA & K8JAA to represent WRARC and Amateur Radio were: KC8SOY, KB3WPD, WF8U, KD8IJE, KD8NXS, KD8YMK, and KA8TZX. Thanks for your help.



"Progress is man's ability to complicate simplicity". Thor Heyerdahl

WHAT MAKES A SUCCESSFUL CLUB?

Do you want to know what makes a really successful club? Here is the answer.

A really successful club has members that are willing to participate in club activities, do a presentation on something that they have done - be it an operating mode, a kit they have built, a contest they have worked, or anything else that might be of interest.

In California, Jane and I were in a club that at one time had 300 members. When we joined it there were 30 members left. In conversations with the members of that club and other clubs in the area, I found out what had caused membership to decline. All the people that I spoke to had the same reason that the clubs declined. It was that the members did not come out to help with events or do anything to help at meetings.

The boards in all these clubs tried to do things of interest, but after time they ran out of ideas. Several of the Presidents and past board members had the same comments why these clubs folded. As clubs lost events and stopped doing other things, the membership left and went to other clubs or just quit being hams. If all you want to do is to go to a meeting, sit through a long business meeting, and then go home, go to some other club.

Is this what you want to have happen to WRARC? If you do not want this to happen then get involved. What do you do for a hobby, other than Ham Radio, that might be of interest to others? The question is that what do you want? Let the board, or let me, hear from you one way or the other. I want to know what you want or need.

The new Board needs your help for WRARC to continue to be the best club in the area. Jane and I and a couple others, have put in a lot of time and energy to get WRARC to where it is. Why are we working so hard to keep it going?

73, Allan, AB8AA



WHAT DO YOU WANT TO OPERATE?

How many of you are interested in paper chasing, DXing, or contesting? How many of you would like to know more about these operating modes? Would you be willing to attend a workshop on the weekend or an evening? If you are interested please contact me at ab8aa@arrl.net.

There is a world of FUN to be had chasing paper, otherwise known as special event stations. A lot of the special event stations have certificates that they give for the contacts.

DXing is the way to work the world with Ham Radio. You will make contacts with hams in other countries. ARRL and CQ have certificates for DXCC, WAC, WAZ as well as others. You can start with the Worked All States, WAS, award by ARRL. All you have to do is have a contact with one station in each of the states.

There is also IOTA, Islands on the Air, Lighthouses,
Here is a list of sites for events.

www.arrl.org/special-event-stations
www.cq-amateur-radio.com/cq_hamfest_events.html
www.eham.net/calendar/
www.qsl.net/va3rj/spevents.html
www.usislands.org/
www.qsl.net/va3rj/isl_iota.html
www.islandchaser.com/
www.arrl.org/country-lists-prefixes
www.cq-amateur-radio.com/cq_awards/cq_waz_awards/index_cq_waz_award.html

Whether or not we have any interest in a workshop is up to you.

73, Allan, AB8AA

Your personal computer ring can play music, check your email, give you alerts and even allows you to browse or chat with others. <http://imgur.com/ZQwtMCf>

APPRECIATED THANKS



Greetings

Bob and I would like to say Thank You for accepting us into the group. "Thank You!"

I had told Bob that I didn't want to get involved with any groups when we moved here from New Mexico, but after a couple of nights in Al's class, we both felt good about the group we were hearing about.

I was able to attend the monthly meet for September and found it to be very enlightening. I appreciated the fact that the meeting was more than just showing up to eat, visit and go home.

We both appreciate the commitment to community involvement that WRARC has and hope to be able to contribute as much time as we can to each event as we can. For us, this is not just a go, visit, and go home, once a month meeting to make "us" feel good that we showed up and call ourselves part of the group. We hope to learn and grow so we can give back to the group in a positive way.

There is a wealth of information in the "ELMERS" of the group just a phone call away, and we would strongly suggest that new members of the WRARC ham community make use of their knowledge.

To sum it all up, THANK YOU for being more than just a once a month meet and eat group. See you soon at the Walk for Alzheimer, October 11, 2014.

73,
Terri KD8YYE
Bob KD8YYH



My Yaesu FT-920, I'm asking \$800
Chris, WF8U <kd8ely@gmail.com> or mastermix79@sbcglobal.net
My phone number, just call or text 330-507-9567

Mosley CL-36-M 10, 15, 20 MTR BEAM antenna, \$500
Mosley CL-33-M 10, 15, 20 MTR BEAM antenna, \$400
Kenwood TS-711A, 2 Mtr All Mode, \$450
Kenwood TS-811A, 440 Mhz All Mode, \$530
Kenwood TS-450SAT, HF All Mode, \$600
Misc tower parts, contact me if interested.
Al, AB8AA 330-207-3296

A Brief History of a Transistor Radio
Ya'akov Sloman - Interim Director, Engineering & Science Computing at the University of Notre Dame Top Contributor

A while ago, our family gave a birthday of a Sony transistor radio to a young friend. I wrote this history for her as part of the gift, and thought it might be interesting to others. It mentions South Bend, where we live; and the University of Notre Dame, where I work.

I hope you enjoy it, and perhaps you can pass it on to a young person who might have a budding interest in the technology and science of radio. You can find the story at <http://n1ewo.net/a-brief-history-of-your-radio.pdf>

NATIONAL SET

As you may know October 4, a Saturday, is the national SET. We want to have a meaningful exercise in Ohio, one that you can all learn from and feel satisfied with once completed. We want to make this apply statewide, so that every county can feel the same pressures of the scenario. So one admittedly implausible scenario would affect the entire state: We're going to hypothetically drop the MARCS radio system! This is not mandatory - if your county has its own SET, feel free to elect to not play in this one. If you do your own, don't forget to submit an ARRL SET Scorecard.

So what do we want to practice? We wanted to be able to "cut out" the specific steps of establishing communications and deal with just that. Thus, we won't need a lot of participation from served agencies, we won't need to 'camp out' over the weekend, and we won't have to be afraid to try new stuff. We have what I consider to be a really good Ohio Section Emergency Response Plan (OSERP) that serves as a great guideline for setting up a communications network in a large-scale emergency. But what is the last time we actually got to ~use~ it? Fortunately, we don't very often. So that is our main goal: set up your county's communications according to OSERP (Or, according to your own ERP if you have one but it should be fairly consistent).

Once set up, we'll send some traffic down the Ohio traffic nets (Please try to spread your operating across all three modes!) because that gets us points with the ARRL scoresheet. Quick, functional, and we think a great time to practice and consider improvements. I would like to use as much technology as you can - FLDIGI, MESH, any type or mode will add to your practice!

We'll be in a central location (W8SGT at the Ohio EOC) to control the exercise, receive and send traffic and make sure we're not running later than mid-afternoon on that Saturday, in time for the football games.

Please read the accompanying exercise plan, and EC's, consider where you might want stations in a real communication blackout. We will need access to EOC ham stations, the rest of the locations are optional and up to your county, but it would be a great practice to actually set up if possible. It is also a great way to get some "face time" in front of our agencies, to show that we're ready. EC's, if you're not accessible leave contacts with your District's for activation.

Thank you all for your interest!! I hope to hear from your county - we need as many as possible!

-Stan
Stan Broadway, N8BHL
Section Emergency Coordinator – Ohio
ARRL - The National Association For Amateur Radio™
broadways@standi.com
614-562-3130



SEPTEMBER MOCK DISASTER DRILL

Saturday, Sept. 13, our mock disaster drill in Harding Park, Hubbard, Ohio went well. Mike Kerr of the Joint Fire District was there to instruct-observe-critique-etc. Everyone arrived by 8:30 A.M. We had a pre-briefing from 8:45 to about 9:15A.M., explaining what we needed to do. Rich Schmidt had the day's activities all drawn out on white boards. The rest of the event was in envelopes to be opened at specific times during the event.

We used three triage areas: the EOC; a staging area (with 5 medics,) and three hospitals (All under one roof and included digital.) I think we had 16 operators from all area clubs (Mahoning and Trumbull County) as well as ARES members and Coordinators from both Counties plus one NON CLUB attendee.

The drill wrapped up about 11:30 A.M. then we went to debrief mode. Although there were a few times things got overloaded at the EOC, and things during the event took longer than estimated, we "didn't lose anyone and we didn't drop a status report." Mike Kerr was most happy and gave us an A.

Thanks to all,
Wes W8IZC

ARLB016 NEW AMATEUR RADIO VANITY CALL SIGN FEE SET AT \$21.40

The FCC has adjusted very slightly downward - to \$21.40 - its proposed Amateur Service vanity call sign regulatory fee for Fiscal Year 2014. In a June Notice of Proposed Rule Making (NPRM), the Commission said it was planning to hike the current \$16.10 vanity fee to \$21.60 for the 10-year license term. The FCC released a Report and Order and Further Notice of Proposed Rulemaking (R&O) in the proceeding on August 29, in which it recalculated the fee to \$21.40 for the 10-year license term. The \$5.30 increase still represents the largest vanity fee hike in many years.

The new \$21.40 fee does not go into effect until 30 days after the R&O is published in The Federal Register.

In the R&O, the FCC said it considered eliminating the regulatory fee for Amateur Radio vanity call sign applications but decided not to do so "at this time," because it lacks "adequate support to determine whether the cost of recovery and burden on small entities outweighs the collected revenue; or whether eliminating the fee would adversely affect the licensing process." The Commission said it would reevaluate this issue in the future to determine if it should eliminate other fee categories.

The FCC's Wireless Telecommunications Bureau sets the vanity call sign regulatory fee using projections of new applications and renewals, taking into consideration existing Commission licensee databases, such as the Universal Licensing System (ULS) database.

The FCC reported there were 11,500 "payment units" in FY 2014. The Commission said the vanity program generated an estimated \$230,230 in FY 2013 revenue, and it estimated that it would collect nearly \$246,100 in FY 2014.

The vanity call sign regulatory fee is payable when applying for a new vanity call sign or when renewing a vanity call sign, although some older vanity call signs are not subject to the regulatory fee.

MORSE LEARNING MACHINE CHALLENGE CATCHING ON WITH HAMS

Experimenter Mauri Niininen, AG1LE, of Lexington, Massachusetts, reports that his Morse Learning Machine Challenge has been catching on among members of the Amateur Radio community. The goal of the competition is to build a machine that can learn how to decode audio files containing Morse code. Niininen said his project has been approved by Kaggle, which bills itself as "the world's largest community of data scientists." Niininen said that it takes humans many months of effort to learn Morse code, and, after years of practice, the most proficient operators can decode Morse code up to 60 or more words per minute.

"Humans have extraordinary ability to quickly adapt to varying conditions, speed, and rhythm. We want to find out if it is possible to create a machine learning algorithm that exceeds human performance and adaptability in Morse decoding." The computer-generated Morse data for the competition includes various levels of added noise. The signal-to-noise ratio, speed, and message content of the files vary randomly to simulate real-life ham radio HF Morse communication. "I hope to attract people from the Kaggle community, who are interested in solving new, difficult challenges using their predictive data modeling, computer science, and machine learning expertise," Niininen added.

During the competition, participants will build a learning system capable of decoding Morse code, using development data consisting of 200 WAV audio files containing short sequences of randomized Morse. Data labels are provided for a training set, so participants can self-evaluate their systems.

"To evaluate their progress and compare themselves with others, they can submit their prediction results online to get immediate feedback," he explained. "A real-time Kaggle leader board shows participants their current standing based on their validation set predictions." Niininen has provided a sample Python Morse decoder to make it easier to get started. Niininen said that within the first 24 hours of the competition, he had 33 downloads. "We have already 53 downloads of the materials for this competition," he said on September 5, "and it is growing by the hour, as the word about this challenge is spreading."

PAPER CHASE



October has a special event that has historical significance. It is the celebration of the birthday of the United States Navy.

The Chief of Naval Operations has stated that the Navy Birthday is one of the two Navy-wide dates to be celebrated annually. The Navy traces its origins to the Continental Navy, which the Continental Congress established on 13 October 1775 with the following resolution.

"Resolved, That a swift sailing vessel, to carry ten carriage guns, and a proportionable number of swivels, with eighty men, be fitted, with all possible despatch, for a cruise of three months, and that the commander be instructed to cruize eastward, for intercepting such transports as may be laden with warlike stores and other supplies for our enemies, and for such other

purposes as the Congress shall direct.

That a Committee of three be appointed to prepare an estimate of the expence, and lay the same before the Congress, and to contract with proper persons to fit out the vessel.

Resolved, that another vessel be fitted out for the same purposes, and that the said committee report their opinion of a proper vessel, and also an estimate of the expence."

In 1972 Chief of Naval Operations (CNO) Admiral Elmo R. Zumwalt authorized recognition of 13 October as the Navy's birthday. The Navy Birthday is intended as an internal activity for members of the active forces and reserves, as well as retirees, and dependents. Since 1972 each CNO has encouraged a Navy-wide celebration of this occasion "to enhance a greater appreciation of our Navy heritage, and to provide a positive influence toward pride and professionalism in the naval service."

The special event (NI6IW) will be on the air from noon till 7:00 P.M. October 11th. The event will originate from the USS Midway (CV-41) located in San Diego. Look for her around: 14.320 7.250; PSK31 14.070; D-STAR REF1C.

A QSL card can be obtained from:

USS Midway (CV-41)
Museum Radio Room
910 N Harbor Dr
San Diego, CA 92101

I'll be listening for you!
Joe - W8KNO



ELECTIONS IN NOVEMBER
TED KD8IJE IS HEADING THE NOMINATING COMMITTEE
WE NEED TO ELECT -

ONE TRUSTEE

INTERESTED IN RUNNING? CONTACT TED!

kd8ije@wrarc.net

CQ, 73, AND OTHER RELATED ABBREVIATIONS

Posted by Keith (WH7GG)

It's not surprising that most communities have their own brand of slang. But then, ham radio has its own brand of English that one needs to get used to when you get into the hobby. And some of it is abbreviated – Hams have been doing that before text messaging and Twitter was even conceived.

Take, for instance: if I were to initiate a contact on the HF band, or on two-meter sideband, or even on FM simplex (but not on a repeater), I would say, "CQ CQ CQ..." One would think, "Why those two letters, C and Q? Why not something more understandable, like 'NE1, NE1, NE1..."

It turns out that CQ, like much of ham lingo, has its roots in good old fashioned wired telegraphy. English telegraph operators used the CQ signal to call attention to all operators along a wire (much as the current Q-code QST does today...more on that in another article). The letters CQ come from the first two syllables of the French word *sécurité*, meaning security, safety, or in this case, "pay attention." When British operators, many of whom were former land-line telegraphers, went to sea, their codes went with them, and CQ became a general call to all ships. It, however, lacked the sound of urgency needed of a distress call (back in those days, in the crowded bands of the early 20th century, a CQ would have gotten lost in the noise), and it was eventually replaced with SOS for distress calls, with CQ remaining a general purpose call.

Today, on the air, CQ still retains its original meaning of "attention," but according to the ARRL, quoting Thomas Raddell, its meaning has evolved into something like "yelling 'Hey Mac!' down a drain pipe."

Getting back to the contact, I call CQ, you answer, we have a nice rag-chew, and when you sign off, you say to me, "Well, it's been great talking with you, Keith. 73." Why 73? Why not some other number? Why not 43 or 103?

(If hams were fans of Douglas Adams' novels, maybe they might be partial to 42. But I digress...)

Again, we're back to the days of land-line telegraphs. In 1859, Western Union standardized what came to be known as the 92 code, in which the numbers from 1 to 92 were assigned meanings. Most of them fell into disuse, although we occasionally see a few remnants. Code 30, for instance, was the standard code for "no more;" this code is still used occasionally at the end of press releases.

Code 73 itself was first used in 1857, with the meaning "My love to you!" But within a short time its meaning evolved from the romantic to strictly platonic – "from a Valentine-type sentiment to a vague sign of fraternalism." It was used as a "friendly word between operators." In early versions of the 92 code, 73 became "accept my compliments." To make a long story short, the meaning of 73 further evolved until by 1908 it acquired its current meaning of "best regards," and came nearly full circle in its use as a friendly word between operators.

via email reflector

WHAT IS AN ELMER?

Did you ever have an Elmer in your early Ham Radio experiences? I have had a couple, and if not for them, I would not be writing this column. These fellow Hams pointed me in the right direction. They helped me in making choices on which radio to get at first, where and what to look for in antennas, and what to stay away from if at all possible. Like all Hams, we like to buy new things, and items that will make our Ham Experience better.

An Elmer has to be a good listener. They need to find out what the person is interested in doing. Examples, is he or she a leader, a fixer (some call this tinkering), specialized interests, weather, Boats, Cars, Emergency Response, talk to the space station, moon bounce, or DX around the world. An Elmer can help the new-bee in these tasks, and a lot, lot more. My point is this take the time to listen to those around you. Give them a helping hand, if needed.

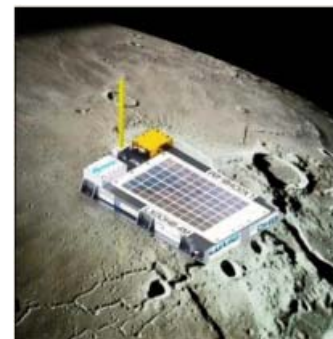
Over time, we become the Elmer's, and we need to pass on our knowledge of and our passions for Ham Radio to the new-bees of latest generation of Hams.

....73 Joe Tom (KB6JOE)

Article stolen from the WCARC newsletter, the INTERMOD (some time ago), Dick, N6ISY, Editor, worth repeating. - ed

MOON-BOUND HAM RADIO PAYLOAD WILL TRANSMIT EARTHLY MESSAGES FROM SPACE

The amateur Radio payload on the lunar-orbiting 4M-LXS spacecraft is set to carry up to 2500 brief digital messages into space for retransmission via JT65B mode on 145.990 MHz. China recently announced plans to launch the orbiter carrying the 14 kg battery-powered payload, developed by LUXspace in Luxembourg. The International Amateur Radio Union (IARU) is a partner in the experiment. Getting a message into space required registering and uploading one via the 4M website. A "73 de W1AW" message was among those uploaded before the message collection site closed on September 17. While the window was open, the site gathered messages of up to 13 characters -- the maximum for JT65 transmissions -- to transmit "from the moon," the 4M Manfred Memorial Moon Mission website said. A model of the LUXspace 4M spacecraft superimposed above the lunar surface.



A model of the LUXspace 4M spacecraft superimposed above the lunar surface. [LUXspace image]

Signals from the Amateur Radio payload can be decoded using the free WSJT software by Joe Taylor, K1JT. The Manfred Memorial Moon Mission memorializes Manfred Fuchs, the late founder and chairman of LUXspace parent company OHB of Bremen. He died in April. The 4M mission is expected to launch sometime after 1800 UTC on October 23.

According to LUXspace, the 4M spacecraft will transmit continuously on 145.980 MHz (± 2.9 kHz) at 1.5 W into a simple quarter-wave monopole antenna. "This will give S/N comparable to EME signals at Earth's surface," LUXspace said. "The transmission is based on a 1-minute sequence and a 5-minute cycle. The transmission will start 4670 seconds (77.8 minutes) after launch."



The 4M mission was detailed during a presentation the EME 2014 conference held recently in France. A paper, "4M Mission: A Lunar Flyby Experiment" also is available. During the lunar flyby, the spacecraft will be about nearly 248,000 miles from Earth and between 7440 and 14,480 miles from the Moon. The spacecraft will be part of the last stage of the lunar mission. The planned trajectory calls for a lunar flyby and return to Earth, with a 90 percent chance that the spacecraft will re-enter Earth's atmosphere. LUXspace has provided a tracking tool on its website. <http://amsat-uk.org/>. -- Thanks to LUXspace, AMSAT-UK

I GET EMAILS!

This is a big W O W !!!!! Must watch!!

One of the most inspiring videos I have ever seen - hope you will enjoy it too ... See the video. Awesome.

<https://docs.google.com/file/d/0ByFUzo9KwryWWkRwUEw4bmZNaVv/view?pli=1&sle=true>

North, South Carolina ... hilarious

This is a must watch! It is hysterical! This is a segment of You Bet Your Life starring Bill Cosby. It rivals the Abbott & Costello "Who's on first" routine, yet it is not scripted at all.

Bill Cosby, understanding Southern. View on vimeo.com Preview by Yahoo <http://vimeo.com/16076291>

Slippery Squirrel <https://www.youtube.com/watch?v=O9-rE5RBZvU>

What this country needs are more unemployed politicians.
- Edward Langley, Artist (1928-1995)

If God wanted us to vote, he would have given us candidates. ~Jay Leno~

A little long....but pretty good <http://www.youtube.com/embed/LR2qZ0A8vic?rel=0>

Check this out --- beautiful video of several locations on Earth!

<http://blog.newadvent.org/2014/09/astronauts-give-video-tour-of-earth.html>

TUNER

A Tuner can be the best first timer homebrew project. This one below I made for a whopping 1 dollar. Well maybe a little more.

The Box is the proverbial all steel painted "Bread Box" I do not even know if they make bread boxes anymore? Anyway I got that one at a garage/yard sale for a buck.



The insides I got at a hamfest. They were in a box of old junk that was like 2 feet by 2 feet by 1 foot in size a whole bunch of stuff for 5 bucks.

In the junk was an awesome roller inductor. and two caps, one wide spaced and a differential one. here is the insides.

A pair of relays and a switch to make a by pass path, and wham bam a tuner.

I have yet to find a match that it would not make absolutely flat 160 thru 10 meters. and have even ran legal limit power through it too with no problems.

Joe WB9SBD
via email reflector

With Election Day around the corner and early voting in Ohio starting soon, we want to make sure you have the voting tools and election information you need available at your fingertips.

There's a lot at stake this November and it's critical that you're part of the debate that determines the direction of our country.

Make sure you're registered to vote and update your registration if you've moved since the last time you voted. Learn how you can cast your vote early, either in-person or by requesting an absentee ballot directly on our site.

Thanks for helping us get-out-the-vote in support of leaders who will help make America strong again. Please share these voting tools with your friends and family members and encourage them to make their voice heard.

Together, we can make sure jobs are on the ballot here in Ohio.

Sincerely,

Rob Engstrom
SVP and National Political Director
U.S. Chamber of Commerce





October 2014

PREPAREDNESS LEADS TO READINESS



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 Skywarn Net 8:30 P.M. 146.745 Happy Birthday WB8IBA	2 Happy Birthday K8JAA	3 WRARC Net 9:00PM 145.270 Followed by The Elmers Net	4 National SET
5	6	Happy Birthday WF8U	8	9	10 WRARC Net 9:00PM 145.270 Followed by The Elmers Net	11
12	13 Columbus Day Fly the Flag	14 Ham Breakfast Eat'n Park Boardman 8:30 A.M. Board Meeting Eat'n Park Boardman 7:00 P.M.	15 Testing at ITT 	16	17 WRARC Net 9:00PM 145.270 Followed by The Elmers Net	18
19 Walk to Stop Diabetes	20	21 WRARC Meeting 7:00P.M.	22	23 Happy Birthday KD8HCQ	24 WRARC Net 9:00PM 145.270 Elmers Net After Happy Birthday KD8NXS	25
26	27 Happy Birthday KD8YEN	28 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast	29 Wave Bender Articles Due	30	31 WRARC Net 9:00PM 145.270 Followed by The Elmers Net	