



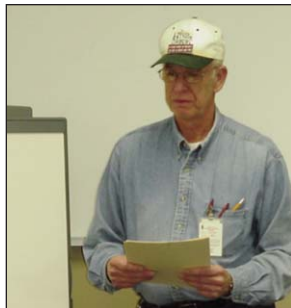
# The WAVE BENDER

November 2011



## PRESIDENT'S QST

Here we are and another month has gone by. Where does the time go to? We had another successful event at the Canfield fair grounds. The people running that event have asked us to come back next year.



On a more serious note, we need to start getting serious about Emergency communication training. I understand that nothing has happened to date, but you cannot be ready to help when it happens if you have not practiced before it happens. FEMA and EMA are going to be requiring at least the four incident command certificates. They are FREE on line at fema.gov. You will need IS 100, 200, 700 and 800. There are other ones that will be helpful. ARES will want you to have EC 001, however that will cost \$35. I am willing to teach the course and give the test. However, you need to be willing to do the work.

On a lighter note we will be having our winter party/ installation of officers on January 14, 2012. There will be no meeting that month. We will return to our normal third Tuesday meetings in February. Now is the time to start thinking about what you want to do as soon as the coming winter weather gets better. Start saving for or buying the antennas you want to put up in the spring.

Don't forget to come out and vote, both at the club and for local issues.

**See you at the meeting  
73, AB8AA**

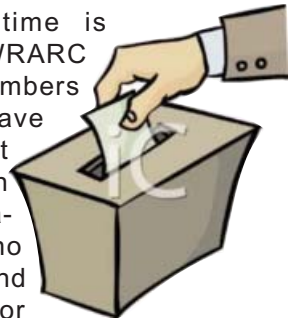
**AMATEUR RADIO IS A HOBBY, EMERGENCY  
COMMUNICATIONS IS A COMMITMENT!**

*We contend that for a nation to try to tax  
itself into prosperity is like a man standing in  
a bucket and trying to lift himself up by  
the handle.*

*Winston Churchill*

## ELECTIONS THIS MONTH

Well, election time is here, both Statewide and for WRARC officers. Because not many members chose to run for an office, we have a very slim slate for the next two years. Do I hear a train whistle, or is that my imagination? Not that I think those who chose to run for an office, and those who decided to stay for one more term, won't do a good job, because they will. Next election, in two years, some of us will not be able to run again for the office we currently hold. Yes, running a club is a responsibility, but it's FUN! Those currently running for election and reelection are:



- President: Allan Avnet AB8AA - 2nd term
- Vice Pres.: Robert Webster KD8OXJ
- Secy.: Jane Avnet K8JAA - 2nd term
- Treas.: Maureen Stein KD8NXX
- Board: Roy Haren KD8IJF - Retiring VP.



**Officer's Meeting:** Nov. 13, 7:00P.M.  
At the Avnet's, 2050 E. South Range Rd. New  
Springfield (330-549-3051)

**Regular Meeting:** Nov. 15 7:00 P.M. Davidson's,  
in Cornersburgh

**Program: Tom Bert KB8MFV talking about 2-meter  
antennas.**

### 2011 Officers

- President:** Al Avnet AB8AA ab8aa@arrl.net
- VP:** Roy Haren KD8IJF harens@juno.com
- Secretary:** Jane Avnet K8JAA k8jaa@arrl.net
- Treasurer:** John Fabry KC8SPF jonnyjukebox@sbcglobal.net
- Trustees:** Russ Williams KD8LDY russellwhoknew69@aol.com
- Steve Fabry KC8SOY, kc8soy@yahoo.com
- Ted Filmer KD8IJE efilmer@aol.com
- Social:** Maureen Stein KD8NXX mfstein@zoominternet.net
- Publicity:** Robert Webster KD8OXJ rwebster@mail.com

**ITT ANTENNA WORKSHOP SUCCESS**



An antenna building workshop was held on Sat., Oct. 8 at ITT Institute with three of our club members participating-- Kevin Stein KD8NXR, Greg Higgins KD8QQR, and Robert Webster KD8OXJ. The

workshop was headed by Dave Brett KD8NZF, Chair of the School of Electronics Technology at ITT. One of the assistants was Wes Boyd W8IZC, above with KD8NXR, KB8SUJ & KD8QQR, who helped with the presentation of information and the hands-on construction of the antenna.

Crucial information on antenna construction was presented and several handouts were given. An inverted V dipole wire antenna was constructed and affixed to a chain link fence. It was then hooked up to a HF transceiver and the 20-meter band was used to test it. Then the magic began! Using this home grown antenna, Kevin KD8NXR made his very first DX contact right off the bat. The frequency used was 14.252.20 at 17:48 UTC. Kevin made contact with OH0X from Aland Island off the coast of Finland in Europe, a nice surprise to everyone there. This was Kevin's first ever DX contact and it was on a simply constructed home-built antenna. Further research on QRZ.com by Robert Dukish KK8DX, Kevin's instructor at MCCTC, revealed that this was a well-known operator in that country with a huge array of antennas and a very large and powerful antenna putting out this signal.

Undoubtedly, that helped OH0X get his signal so far out and contributed to the reception of it by the antenna that was just made. None the less, it was great! This operator was in the middle of some type of special events day there in Finland and was contesting. Robert KD8OXJ also made contact with him. Other contacts were made with stations in Arizona and North Dakota as well. Hats off to a very productive day!



**73, Maureen KD8NXS**

**ITT ANTENNA SCHOOL 2011**

The 2nd annual ITT Antenna School took place Oct 8th, 2100 at ITT Technical School in Austintown. About a dozen attended including Amateurs from area clubs, students from area Technical schools, and instructors from schools in adjoining counties. School started about 10:00 A.M. with snacks and classroom discussions followed by a Power Point presentation by Dave KD8NZF and

Wes W8IZC.

Those attending were: Michael Diamond, ITT Student; Dave Brett, ITT Teacher - KD8NZF; Rocco Dominick, ITT Teacher - KD8XX; Barry Clever, LCCTC Teacher; Kevin Stein MCCTC Student - KD8NXR; Bob Dukish, MCCTC Teacher - KK8DX; Robert Webster, WRARC - KD8OXJ; Greg Higgins, WRARC - KD8QQR; Ben Slagle, MVARA - KB8SUJ; Wes Boyd, MVARA - W8IZC; Frank Sole, MVARA - WB8YHD.

Dave used a field strength meter and a 3-element beam (borrowed from Al WD8KNJ) to Visually show how antenna patterns change and increase as elements are added. Additional discussion included construction details of emergency antennas. Andy, WA8ZLK's 3-element "tape measure" yagi had great interest.

About 12:30 P.M., after additional snacks, we moved outside and started building HF antennas. We had several support masts, lots of wire, and MFJ analyzers (from W8IZC and KB8SUJ) and turned the students loose building antennas. The 20 meter dipole had the most interest, mostly due to size and ease of tuning.

W8IZC's FT 450 was pressed into service and several students were impressed with a "first HF contact" from (OH0X) on Aland Island (Finland). Additional contacts ranged from Europe to the upper Midwest US.

Interest in these classes has increased so plans are now underway for making this a semi-annual event with the next one possibly in late Feb or March of 2012.



**73, Wes W8IZC**

**POST HOLIDAY PARTY UPDATE**

As was discussed at our last general meeting, there is a slight reduction in the per person cost of the party due to our tax exempt status. I spoke with Shelly after that meeting night about that issue and she did remove the tax charge to adjust our per person price. The corrected price will be \$16.67 per person, inclusive of the meal and gratuity. We will continue to have the sign-up sheet at the meetings and anyone can feel free to call me at 330-757-4963 to sign up if that works better for you. If contacting me by phone, please give me your name, call sign, number in your party, and your phone number in case I would have to contact you about anything party related.

Also, we have to give Al A Cart Catering our final count on number of attendees by Jan. 7, 2012. This will be the number for which they will prepare and the club will need to give them a check for that amount of cost. We are using the

*Continued page 5*

CONGRATULATIONS



At our October 19 test session where we were testing the nine members of our fall Tech class, which ended October 13, and anyone who might be interested in upgrading.

We now have six new Techs - one class member didn't show, and one missed by one question. The new Techs are: Chris Minor KD8RBZ; Joe Wojtowicz KD8RCC; Sam Lee KD8RCA; Tony Lee KD8RBY; Floyd Smith KD8RCB; Beverly Bressler KD8RBX. Linda Lee WD8LEE upgraded to General.

Congratulations to all who passed their Tech, welcome to the hobby/service and to Linda for the upgrade. Please feel free to attend any of our meetings.

Those VEs who helped administer the tests were: Al AB8AA contact VE; Dave Beatty KC8WY; Jim Jickess KB8QDZ; Wes Boyd W8IZC; Roy Haren KD8IJF; Jane Avnet K8JAA. Thanks for your help!

EXTRA CLASS IN PROGRESS

OCTOBER 26 - TESTING DECEMBER 21  
7 - 9:30+ P.M.

MAHONING COUNTY EMA  
700 INDUSTRIAL RD.  
YOUNGSTOWN

UPCOMING GENERAL CLASS  
STARTING JANUARY 4

FOR INFO CALL AL  
330-549-3051



When local daylight time is about to reach Sunday, November 6, 2011 at 2:00:00 AM clocks are turned backward 1 hour to Sunday, November 6, 2011 at 1:00:00 AM local standard time instead.  
Background info: Daylight Saving ends in USA and Canada Nov 6

Join us for the WRARC  
Friday night Net  
9:00 P.M. on 145.270, PL -110.9  
This is a directed net, with all interested members taking a turn at Net Control  
Contact Steve KC8SOY to take your turn  
330-774-6346

- Nov. 4 Robert KD8OXJ
- Nov. 11 Russ KD8LDY
- Nov. 18 Maureen KD8NXS
- Nov. 25 Jane K8JAA
- Dec. 2 Kevin KD8NXR
- Dec. 9 Robert KD8OXJ
- Dec. 16 Dave
- Dec. 23 Darrin N8DMC
- Dec. 30 Ted KD8IJE



"NEW" WRARC 10-mtr Rag Chew Net  
Friday Nites 8:30P.M.  
28.410+-

COLUMBIANA COUNTY DIGITAL NET  
8:30 pm - 9:30 pm  
145.510 MHZ SIMPLEX Wednesdays

First Wednesday of the Month  
the Mahoning County  
ARES/RACES/Skywarn training net  
is held on the W8QLYrepeater  
146.745 (-) at 8:30P.M.

NEWEST CPR METHOD - EVERYONE NEEDS TO WATCH THIS NEW METHOD !!! IT IS SO MUCH SIMPLER THAN WHAT WE HAVE ALL BEEN TAUGHT IN THE PAST. THIS IS A VERY GOOD VIDEO, IT MAY SAVE YOUR LIFE. IF YOU HAVEN'T BEEN TRAINED THIS IS VERY EASY TO REMEMBER.  
**EVERY ADULT IN YOUR HOUSEHOLD SHOULD WATCH THIS SHORT VIDEO**

This is a new CPR technique which is much simpler. This is a very important video regarding the latest CPR procedure. Please watch and forward to your friends and family if you haven't already done so.

<http://tinyurl.com/2fx8r59>

CONTACT THE WRARC ELMERS WITH YOUR QUESTIONS AND/OR PROBLEMS

- |                        |   |                          |
|------------------------|---|--------------------------|
| Avnet, Allan AB8AA     | Antennas, radio setup, mobile, grounding, classes, anything | ab8aa@arrl.net           |
| Beatty, Dave KC8WY     | anything  | kc8wy@zoominternet.net   |
| Fabry, Steve KC8SOY    | Yaesu FT8900, FT8800, Mobile                                | kc8soy@yahoo.com         |
| Haren, Roy KD8IJF      | ???   | harens@juno.com          |
| Webster, Robert KD8OXJ | erecting antennas   | rswebster@mail.com       |
| Williams, Russ KD8LDY  | Electrician, tele-data, Amateur Extra                       | russellwhoknew69@aol.com |

## SOME KIND WORDS - THANKS

Time for MYTHBUSTERS!!! Club participation and membership is NOT in decline. In fact it is up everywhere I go. **Western Reserve ARC** has doubled in size since they chartered a year ago. PCARS (Portage County Amateur Radio Service) sponsors a variety of Special Interest Groups (SIGs) which are well attended. These are in addition to regular club meetings. More people are participating in weekly local nets and meeting and events than ever before. There is more interest in Special Service Club status new and renewal because clubs are doing more and growing and it is beginning dawn on many clubs how much they actually get accomplished, because membership is up. ARRL membership is up as well.

Appearance of dumbing down of the question pool and dropping of Morse Code requirements. This includes a division of factions on each side of the topic.

The question pool gets us started toward a ticket. What clubs do, is bridge the gap. All over the state clubs are sponsoring multi day/week classes for tech, general and extra licenses. Massillon is one such club that is just finishing up such a class. **Western Reserve ARC** has 10 in their Technician class and started their Extra class October 26.

Many clubs have a mentorships or elmer programs to pair up nebies with an old pro. And every club I have visited takes great pride in their classes. LCARA holds bi monthly Exams the next December 3, Delaware just tested 13+ at the county EMA October 15, and this is just some of many clubs who have regularly sponsored opportunities to get or upgrade a license. Isn't it interesting that there is a surge of interest in CW since the requirement was eliminated? I predicted this in a column I wrote for my club newsletter right before the elimination of the requirement. More people venture in because they don't have to fear the embarrassment of failing the test. In true ham spirit most are patient with the new guys and they are helpful. So, don't blame the pool.

Decline of the general public's perception of Amateur Radio.

Another MYTHBUSTERS moment. We have a rising positive perception about Ham Radio in Ohio. Clubs are the center of our public perception. EMAs are opening their doors. CERT and other Citizen Groups are approaching their local radio clubs. What clubs do best is get into their communities and gives back part of the hobby and they are noticed. There are many PIO tools and support mechanisms available through ARRL which helps promote our image. PIC Scott Yonally, N8SY, continues recruiting and supporting PIOs state wide and guiding them in how to use these tools. Look at SAARA activities just since June, Lions 5K run, Salem Grand Parade, Steel Valley Super Nationals support, Car Cruise in,

Motorcycle Parade. What about Delaware's recent support of the unique All Horse Parade? Most clubs have a web presence and the Ohio Section maintains a page at ARRL-Ohio.org.

Like many clubs the Ohio Section maintains a Facebook presence as well. And NOTE, Not all who visit these are hams. Clubs are making new alliances with non-ham hobby groups like makers groups, R/C clubs, Astronomy clubs etc.

All in all, I am very proud to represent and advocate for Ohio's clubs and to advocate to the clubs on behalf of ARRL. As members of the ARRL, we are the ARRL. We are a dynamic, creative, hard working and cohesive group. Clubs are the face of Ham Radio. We have clubs because of what we have in common.

I encourage everyone to be a good citizen, celebrate our differences and most of all Get Out of Meeting Mode -- HAVE FUN!



**73,E. Mike McCardel, KC8YLD**  
**ARRL Ohio Section Affiliated Club Coordinator**

*Taken in part from the Ohio Section Notes for November, 2011 - ed.*

*"The single biggest problem in communication is the illusion that it has taken place"*  
*George Bernard Shaw*

## DIABETES WALK



On October 16, the Diabetes Walk at the Canfield Fairgrounds went well. This was the last scheduled WRARC Public Service event for 2011. There were more than 500 participants, nine members of WRARC volunteered to work the event: **WN8OAB, N8DMC, KD8IJF, KC8SOY, KD8OXX, K8JAA scribe, AB8AA, KD8NXR, and KD8NXS net control op.**

The walk started at 9:45A.M. with a locked gate somewhere on the course, the route had to change to get around it. A couple minutes later someone managed to get the gate opened and the route was changed back. Some roads at the back of the horse track weren't open either, and a horse trailer was blocking the route. No horses got lose this year tho. Someone lost some money on the corner of Maple and 46 which was turned over to us at net control by the police. We gave it to Jennifer who was in charge of the event, with the condition if no one claimed it, donate it to the cause. The day was uneventful and quiet otherwise. Thanks to all who participated.

**SWAP N' SHOP**



**KA8GRC-SK Items for Sale**

- Kenwood TS 820 HF Transceiver w/manual
- Icom 2-mtr Hand Held ICP2AT
- Midland Model 75-507 14 Channel FRS Transceiver
- B&W Protax Coaxial Selector Switch Model 375
- Kenwood Power Supply Model KPS-7
- 2-meter Ringo Ranger
- Preamplifier SP14A VDG
- Heathkit - Phone Patch - Model HD15
- RS Micronta 3-range power meter & SWR tester 21-520A
- Kenwood MC 50 Microphone
- Various Metal connectors
- Midland Power & SWR
- RS Micronta 2000 ohms volt & AC/DC tester 22-212
- R.L. Drake - TV - 42 low pass filter 52 ohm
- Kenwood TR7800 2-mtr FM w/manual
- Push to talk Mic
- Old Masterwork around the world 6-band Transceiver deluxe
- Kenwood - 502S 2-mtr Transverter w/manual
- Kenwood SP-820 speaker
- Three manuals, Kenwood - TM261A-E & TM461A

All Items are "as is." For more information please contact Ms. Joretta Ritchie, at 1948 Lincoln Ave., Unit 3, Salem, OH or by phone 330-332-1257. 🐼

**POST HOLIDAY PARTY - CONTINUED FROM PAGE 2**

same system as last year, in which we will each give our payment for the number in our individual parties by cash or check to the club treasurer before Jan. 7.

The day of the party a check will then be given to Al A Cart from our treasury to cover it all in only one transaction. Again the party is on Sat. Jan. 14, 2012, at 3:00 P.M. at Al A Cart Catering in Canfield. It is located on Route 62 in between Route 46 and Route 446. I'm sure it will be a good time for all, just as it was last year. Looking forward to seeing you all there!

**73, Maureen KD8NXS**

**PUBLIC SERVICE OPPORTUNITY**  
**THE AUT MORI GROTTO CIRCUS IS BACK**

**It will held this year at the  
 Old South Range High School Gym  
 11836 South Avenue  
 North Lima, Ohio**

**Wed Nov. 23 7:00 PM**

**Buy one ticket, get one at half price.**

**Thurs Nov. 24 7:00 PM**

**Fri Nov. 25 2:00 & 7:00 PM 2:00 PM show,  
 buy one get one at half price.**

**Sat Nov. 26 10:00 AM, 2:00 & 7:00 PM 10:00  
 AM show, buy one, get one at half  
 price.**

**Sun Nov. 27 2:00 & 6:00 PM**

**All seats are \$20.00, general admission.**

**All Hams are welcome to volunteer  
 for this fun event - contact  
 Jim Sekinger at 330-726-3722 or  
 330-770-3722 or  
 jimsekinger@zoominternet.net**



**CHECK OUT THE NOVEMBER/DECEMBER  
 ISSUE OF QEX**



The November/December issue of QEX is coming soon, and it is full of theoretical and practical technical articles that you won't want to miss. QEX is the ARRL's "Forum for Communications Experimenters." Published bimonthly, it features technical articles, columns and other items of interest to radio amateurs and communications

professionals. The mission of QEX is threefold: To provide a medium for the exchange of ideas and information among Amateur Radio experimenters; to document advanced technical work in the Amateur Radio field, and to support efforts to advance the state of the Amateur Radio art. Read more here. <http://www.arrl.org/news/em-qex-em-the-november-december-2011-issue>








*. . . The folks who are getting the free stuff don't like the folks who are paying for the free stuff, because the folks who are paying for the free stuff can no longer afford to pay for both the free stuff and their own stuff . . .*



# 2011



<p>10/30</p>	<p>10/31</p> <p><b>Halloween</b></p> 	<p>1</p>	<p>2</p> <p><b>ARES Net</b> 8:30 P.M. 146.745</p> <p>Happy Birthday  KD8CGW</p>	<p>3</p>	<p>4</p> <p><b>WRARC</b> Net 9:00PM 145.270 KD8OXJ</p>	<p>5</p>
<p>6</p>  <p><b>Daylight savings time ends</b></p>	<p>7</p>	<p>8</p> <p><u><b>Election Day</b></u> Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast</p>	<p>9</p>	<p>10</p> <p>Happy Birthday  KD8GGW</p>	<p>11</p> <p><b>WRARC</b> Net 9:00PM 145.270 KD8LDY</p>	<p>12</p>
<p>13</p> <p><b>WRARC Board Meeting</b> 7:00P.M</p>	<p>14</p>	<p>15</p> <p><b>WRARC Meeting</b> 7:00P.M.</p> <p><b>VOTE</b></p>	<p>16</p>	<p>17</p>	<p>18</p> <p><b>WRARC</b> Net 9:00PM 145.270 KD8NXS</p>	<p>19</p>
<p>20</p>	<p>21</p>	<p>22</p> <p><b>Eat'n Park Boardman</b> 8:30 A.M. Ham Community Breakfast</p>	<p>23</p>	<p>24</p> <p><b>Happy</b>  <b>Thanksgiving</b></p>	<p>25</p> <p><b>WRARC</b> Net 9:00PM 145.270 K8JAA</p> <p>Happy Birthday  KD8IJE</p>	<p>26</p>
<p>27</p>	<p>28</p>	<p>29</p>	<p>30</p>	<p>Dec. 1</p>	<p>2</p> <p><b>WRARC</b> Net 9:00PM 145.270 KD8NXR</p>	<p>3</p>