



The Wave Bender

October 2011



PRESIDENT'S OCTOBER QST

Fall is starting to show. The colors are getting better. This time of year has pretty sights. Now is the time to check all your outside connections and make sure they are watertight. We will have nominations from the floor for our upcoming elections.



During the winter is a good time to have workshops and classes. If you want to learn about something or want to build something, please contact me or one of the other board members.

There are 10 students in the Technician class. The Extra class will start on Oct. 26 and the General class will start on Jan. 4, 2012. If you are interested in the General, contact me for a book.

Till next month. 73, Allan, AB8AA

Amateur Radio is a Hobby, Emergency Communications is a Commitment!

TOV VOLUNTEER APPRECIATION RALLY RECAP



This wonderful rally was held Friday, Sept. 9 at 7:00 P.M. at Clear Channel, on South Ave, in their Auditorium. The room was decorated with balloons, and hundreds of snapshots of the volunteers and participants, which were free for the taking.

We were treated to a beautiful buffet which included Antipasto (Antipasto (plural antipasti), means "before the meal" and is the traditional first course of a formal Italian meal. Traditional antipasto includes cured meats, olives, roasted garlic, pepperoncini, mushrooms, anchovies, artichoke hearts, various cheeses (such as provolone or mozzarella) and peperone (marinated small green bell peppers, not to be confused with pepperoni). The antipasto is usually topped off with olive oil. Many compare antipasto to hors d'oeuvres, but antipasto is served at the table and signifies the official beginning of the Italian meal. It may be referred to as a starter, or an entrée outside the United States and English Canada), all that followed by an sumptuous Italian meal which included two chicken choices, roasted potatoes, spicy green beans, cheesy greens, bread, coffee, sodas, and ice tea both sweetened and plain. A beautiful cake rounded out the delicious meal, all catered by Catullo's.

Everyone present was given a chance to win a Hybrid Trek Bike courtesy of Thumm's Bike Shop in Warren. And two \$15 gift certificates from Road Id for our survey raffle winners. The Trek bicycle was worth more than two thousand dollars (last year's model) which was won by a member of another volunteer group who attended. Other valuable items were donated by various Bicycling organizations all over the valley. Everyone who attended was given an 'I survived TOV' T-shirt and a jar of udder cream.

The program was a recap of all that went on during TOV complete with a very professional video presentation narrated by Erin & Dan Quinlan and Rich Obertots which gave very positive feedback on TOV from those who rode it this year, and some the two years before. The consciences of the feedback was, they will be back and bring a friend.

We'd like to thank TOV & Carbon Racing, the local racing club whose individual mem- *Continued page 2*



Officer's Meeting: Oct. 16, 7:00P.M.
At the Avnet's, 2050 E. South Range Rd. New Springfield (330-549-3051)

Regular Meeting: Oct. 18, 7:00 P.M. Davidson's, in Cornersburgh

Program: Dr. Carol Shreiner Talking about crazy carbohydrate chemistry

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:** Ted Filmer KD8IJE efilmer@aol.com
- Russ Williams KD8LDY russellwhoknew69@aol.com
- Steve Fabry KC8SOY, kc8soy@yahoo.com
- Social:** Maureen Stein KD8NXS mfstein@zoominternet.net
- Publicity:** Robert Webster KD8OXJ rswebster@mail.com

TOV RECAP - CONTINUED FROM PAGE 1

bers also volunteered & were instrumental in putting TOV on, for the wonderful dinner and Appreciation Rally.

Those WRARC volunteers who were able to make the rally were; Russ & Nancy Williams, Roy & Donna Haren, Robert Webster, John Fabry, Al & Jane Avnet and Roy Dyckman.



38TH NORTH EAST OHIO CENTURY



It was a very long day, and yes, Russ, very boring. We were all on station by 8:30 A.M. and finished about 4:30 P.M. We were there to protect those who rode one of the three loops on Sunday, Sept. 18. There was a small group of WRARC members who showed up that morning to spend the day with a local bicycle club, the OutSpoken Wheelmen (OSW). There were 105 who rode one of the three different loops that morning, 38 rode the 100 mile loop. The other two distances were a metric century (62) and a metric half-century (35). September is National Century Month for those who ride bicycles.

Thanks to those Hams who worked the rides were: KD8OXJ in sag1, WN8OAB, KD8IJF, KD8IJE, KC8SOY, KD8LDY, K8JAA NCS, AB8AA coordinator, KD8NXR in sag 2, KD8NXS scribe, and N8DMC. These folks had to move around a bit to cover the bad spots on the courses, but we got it all covered. The sag-2 driver gave Kevin kudos for the good job he did!

The only problems during the event were 3 or 4 broken chains and one broken bike frame, but there were no injuries! Broken bikes are disappointing, but there is always next year. It's good when nothing serious happens, but without excitement, that does make the day a little long.

Russ had an adventure at his station. He watched someone pull into a car lot and steal a tail gate from one of the trucks parked there. He called 911, told them what he witnessed, and gave them the perpetrator's license number! Way to go Russ!

What you Permit You Promote

THANK YOU

Hello, Al,

I just wanted the members of Western Reserve Amateur Radio Club, to know I am really grateful for the fine job the members of your club did in providing excellent communications during this year's NEOC. Please thank each and every one of them for their services. Having your members in our SAG(Service and Gear)vehicles, at busy intersections, near the detour and at NEOC headquarters in the Newton Falls Community Center really allowed for being in touch with everyone. The services you folks provided were so professional. Thank you so very much.

I don't usually offer to speak for anyone but myself but I believe I can speak for Out-Spokin' Wheelmen Bicycle Club that you and the communication services you provided during NEOC 2011, was really appreciated by everyone.



Sincerely,
NEOC Co-Chair, Ode Aduma

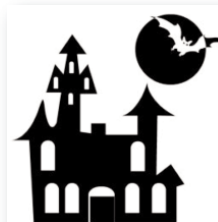
WELCOME NEW MEMBERS



These two Hams joined at our September meeting. Greg Higgins KD8QQR, left and Mike Boyer W8MDB right.



HAUNTED HAYRIDE



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

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

The Haunted Hay Ride will take place on the weekends of October 14-15th (also a pumpkin Carving contest for the kids), 21-22nd, 28-29th, from around 6-10 or 10:30 p.m., on some nights, it can go to 11:00 p.m. I hope that more people will volunteer and join the fun. Yes we do have fun even if it's cold.

73 to all,

Bill Egan KD8HCQ - 330 565-4342 or 330 549-5754

ALL IN A MENTOR'S DAY

Al and I attended the test session at the EMA in Lisbon early Saturday afternoon, September 24. There were two persons testing, one for Tech and one for General. The person testing for Tech did so well on the Tech test. He was offered a chance to 'try' the General. Long story short, we now have two new Generals. Sorry, but I don't have the names of those who took the tests but James N8RAK was the contact VE for the session; Darell Wright KF8KT, from WVA who was the mentor for one of the people testing; Don NN8B Columbiana EC; Dave N8GOB; Bob W8HZ; AB8AA and I were all there to help.

Later that afternoon we made a surprise, to me, visit to the Webster's in Canfield. Al and Robert, KD8OXJ, had decided to get together to put up Robert's beam. Deb, KD8QCE, was very gracious as I sat and watched her work on canning some tomatoes from their garden. Deb and I chatted about a number of girl things as she worked, and I sipped iced tea.

The antenna raising was right on schedule until we heard a shout from the backyard! The concrete pylon Robert had put in the ground, to use to support a winch, which was to help pull up the tower, started coming out of the ground, and the tower wasn't raising very well, if at all! Too much rain, soil too wet, clay, etc. Well, the 'boys' enlisted Deb's help. Me? Only help I can give at this point is moral support. Robert asked the next door neighbor for his help, but the neighbor was under the weather, and not feeling well. They called a Club member who was willing, but he'd had an accident the previous Saturday, and was still suffering from road rash. OUCH! The next door neighbor has two teenage sons who were more than willing to be of assistance. The tower is up and it looks beautiful! Sorry no pictures, a surprise visit remember?

Deb turned off her tomatoes, changed, and the four of us enjoyed leisurely dinner at a local restaurant. Now, I call that a day well spent with Amateur Radio.

Do you have a project you need help with? Help is only a phone call away. Call one of our Club Elmers, they are all ready and able to give you a hand.

Happy Halloween, 33 & 73.



ROTORS 101

At the end of August, Al AB8AA, Robert, KD8OXJ and Sam W8SDD, got together and worked on repairing the rotor that would ultimately sit atop the new tower that was erected the weekend of 9/24. Al explained how he would go about repairing one, Robert and Sam got their hands dirty doing some of the work.



AN INVINTATION



I spoke with my Astronomy group, the MVAS, this past weekend at are monthly meeting about getting together with the WRARC and doing a joint public event day. We have about 3 to 4 events a year at Scenic Vista Park in Lisbon, Ohio. During these all-day events the club gets together in the early afternoon to fly model rockets and then as the evening progresses the public joins us for some telescope viewing. We thought it would be an interesting idea to have a group of HAMS join us and set-up in the pavilion. On a good day we get 30-50 of the public showing up. I thought this would be a good way to expose the public to both hobbies. We will probably set up a special day for this event and we were thinking the 1st or 2nd weekend in June.

Sam DW8SDD

<http://www.mvobservatory.com/Revision2/Index.htm>

CONTACT WRARC ELMERS WITH YOUR QUESTIONS

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	Just ask	harens@juno.com
Webster, Robert KD8OXJ	erecting antennas	rswebster@mail.com
Williams, Russ KD8LDY	Electrician, tele-data, Amateur Extra	russellwhoknew69@aol.com

HEATHKIT IS BACK IN THE KIT BUSINESS!

HEATHKIT NEWS

In late August, Heathkit debuted 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.

Next on the market will be a Wireless Swimming Pool Monitor kit followed by many more. Heathkit wants to continue to bring to its customers interesting, unique Heathkit products. Heathkit is interested in learning what types of products kit builders would like to build. Kit builders can submit their suggestions through their website (<http://www.heathkit.com>) using the Contact Us email.

(Source: Heathkit website)



FUN 2-MTR SPRINT

PCARS will be holding its Sixth Annual Two Meter Sprint contest on Saturday, October 15th, from noon to six p.m. in Portage County. The format is the same as in past years and the flier for the event is on the web site.



This contest is a lot of fun for both the mobile and fixed stations and the fun quotient goes up dramatically when we have more stations on the air. So please get out and do some driving and operating on the fifteenth. Take a logger with you and share the fun. And if you are operating from home, please get on the air and give some contacts. Simplex ops are a great test of that home radio and antenna.

Rules and forms are also on the club web site. Catch you on the air!

<http://www.portcars.org/wp/index.php>

**73, Jim, KC8PD
President of PCARS**

*"Be true -to-your-work, -your-word, -and-your-friend"-
--Henry-David Thoreau--*

FOR SALE

SWAP N' SHOP

Jim Sekinger, KC8HSD, has for sale a YAESU FT-726R Transceiver, with the 2 meter and 440 modules. He is asking \$250, contact him at 330-770-3722.

The club has the following for sale, all work, no power cords and no leads:

Two (2) LG OS-5060A 60MHz scopes. \$75ea OBO.

Two (2) BK PRECISION 2831A Digital Multimeters. \$25ea OBO

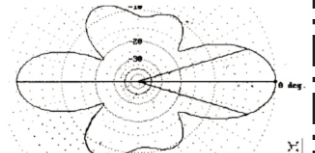
One (1) GW instek GFG-8219A Function Generator. \$75 OBO

One (1) GW instek GPC-3020 DC power supply, 30V/2A. \$50 OBO

Contact Al AB8AA for information 330-549-3051 or ab8aa@arrl.net



**ANTENNA
WORKSHOP
OCTOBER 8, 2011**



10 A.M. - 2 P.M.

OFFERED BY ITT TECH

(I-680 AT N.MERIDIAN RD.)

BUILD AN ANTENNA, TEST IT WITH AN ANALYZER, USE IT ON THE AIR.

WE SUPPLY PARTS, EQUIPMENT, AND SNACKS.

**REGISTRATION IS BY EMAIL TO:
dbrett@itt-tech.edu**



**CLASSES TECHNICIAN CLASS
IN PROGRESS - TESTING OCTOBER 19
7 - 9:00+ P.M.**

**EXTRA CLASS FORMING
OCTOBER 26 - TESTING DECEMBER 21
7 - 9:30+ P.M.**

**MAHONING COUNTY EMA
700 INDUSTRIAL RD.
YOUNGSTOWN
330-549-3051**



ELECTIONS

October is the last month you can get your name on the ballot and run for an office. November is the election, no nominations will be taken at that time.

Those choosing to run for office so far are: Pres., Al AB8AA; VP, Robert KD8OJX; Secretary, Jane K8JAA; Treasurer, Maureen, KD8NXS; Trustee, Roy KD8IJF. This is open to anyone that is willing to step up and help the club grow and make it be a great club. These jobs are not difficult, but they will take a little bit of your time. Just so you know what everyone's duties will be, here is what the bylaws say in part:

The President shall preside at all meetings, and conduct them according to the rules adopted. The President shall preside over the board, which will consist of the elected officers, the three (3) trustees and the immediate Past President, which shall meet to discuss and conduct any relevant business of the organization, and to report its actions to the membership at the next regular meeting.

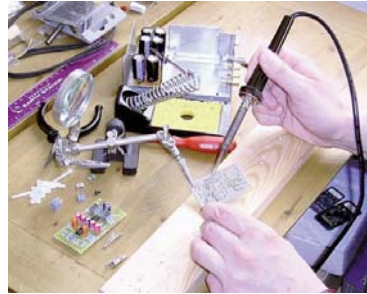
The Vice-President shall assume all the duties of the President in his/her absence. He/she shall maintain close liaison with ARRL officials. In addition, he/she shall organize, plan and recommend activities to better advance interest and activity as approved/suggested by the Board or the organization. (*From the SOP*) The Vice President is the chairman of the program committee should have a speaker or program at each general meeting. They do not have to be Ham related, but it should be something of interest to Amateur Radio.

The Secretary shall keep a record of the proceedings of all board and membership meetings, keep a roll of members, submit membership applications, carry on all correspondence, read communications at each meeting, and announce, via e-mail or mail written meeting notices to each member. At the expiration of his/her term, he/she shall turn over all items belonging to the organization to his/her successor. It shall be the duty of the Secretary to keep the Constitution and By-Laws of the organization and have the same with him/her at every meeting. He/she shall note all amendments, changes and additions on the constitution and shall permit it to be reviewed by members upon request.

The Treasurer shall receive and give a receipt for all monies paid to the organization; keep an accurate account of all monies received and expended; pay no bills without proper authorization (by the organization or its Board). At the end of his/her term he/she shall turn over everything in his/her possession belonging to the organization to his/her successor.

The Trustees shall audit the financial reports, records, and statements of the Treasurer in December of each year and shall report to the membership the results of such audits. The Trustees shall also take inventory of any organization owned equipment or supplies in December of each year and shall report to the membership the results of such inventory.

HOMEBREW CHALLENGE



The Deadline for the Third ARRL Homebrew Challenge Is Approaching -The ARRL has sponsored two Homebrew Challenges in the past, designed to test our members' design and construction skills by making useful

amateur gear at low cost -- and sharing their results with our members. Our first ARRL Homebrew Challenge, announced in QST for August 2006, required the construction of a 40 meter, 5 W voice and CW transceiver built for less than \$50 of new parts. The Second Homebrew Challenge, announced in February 2009, resulted in a number of creative designs of low cost 50 W linear amplifiers to follow the transceiver -- two for about \$30, as well as a multi-band amplifier with many features for somewhat more. The deadline for the Third Homebrew Challenge is Tuesday, November 1, 2011.

For 2011, the ARRL has issued a challenge to build a transceiver in celebration of the (slow) return of sunspots. This challenge will be in two parts and hams can enter either or both options:

- Option 1: A single band 25 W SSB and CW transceiver for 10 or 6 meters, with a prize of \$200.
- Option 2: A 25 W SSB and CW transceiver that can be switched between 10 and 6 meters, using one or two switches, with a prize of \$300.

Instead of challenging entrants to make the transceiver at the lowest cost, the ARRL will instead challenge builders to provide the highest quality, best performance and most features within the cost target of \$150 for Option 1 and \$200 for Option 2. In addition to the cash prize, the winners of these challenges will have articles describing their designs in QST and will receive the usual page rate for the published articles. Additional entrants who meet the minimum requirements -- and have interesting design features -- may also be considered for QST or ARRL Web articles.

Entries for either option must be received at ARRL Headquarters no later than November 1, 2011. To be considered, each entrant must submit a working transceiver that is suitable for testing in the ARRL Lab and for on-the-air judging by the ARRL staff judges. Documentation required includes a priced parts list indicating the source and purchase price of each part, an article draft including a design description, construction hints, alignment instruction, block diagrams and schematic diagrams. Photographs may be provided, but final magazine photos will be taken by ARRL staff.

For more information, including specific requirements and evaluation criteria, please visit the ARRL Homebrew Challenge web page - <http://www.arrl.org/homebrew-challenge>

October 2011



Awareness Month

Sept. 25	26	27	28	29	30 WRARC Net 9:00PM 145.270 KC8WY	1
2 Happy Birthday K8JAA 	3	4	5 ARES Net 8:30 P.M. 146.745 Tech. Class 7 - 9:00P.M.	6	7 WRARC Net 9:00PM 145.270 KD8OXJ Happy Birthday KD8ELY 	8 Antenna Workshop @ ITT Tech 10A - 2P
9	10	11 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast	12 Tech. Class 7 - 9:00P.M.	13	14 WRARC Net 9:00PM 145.270 AB8AA	15 PCARS 2-mtr Sprint 12 - 6 P.M.
16 Diabetes Wlk Cnfiled Fr Grnd 8 A.M. WRARC Board Meeting 7:00P.M	17	18 WRARC Meeting 7:00P.M.	19  Test Session EMA 6:30 P.M.	20	21 WRARC Net 9:00PM 145.270	22
23 Happy Birthday KD8HCQ 	24 Happy Birthday KD8NXS 	25 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast	26 Extra Class 7 - 9:30 PM	27	28 WRARC Net 9:00PM 145.270 KD8LDY	29
30	31					