



The Wave Bender

November 2012



PRESIDENT'S QST

November is turkey month and the start of the holiday season. The Tech class is over with four new hams. Elections for a 3-year Trustee with only one person running. Think about helping the club out. Anyone can run for this position. General upgrade class starts on November seventh.

The Communications Unit is up and running. Meetings will be held on Saturdays.

If you have any questions for our Elmer's and do not want anyone to know who you are, all you have to do is send an e-mail to "ask@wrarc.net" your e-mail address will not be forwarded.

The workshops will start on Saturday in January 2013 at ITT Tech. There will be several workshops. We will have one on how to solder and assemble PL259's. You will need to have a soldering station, different size tips, solder, coax, and PL259's. Another good tool is a small crochet hook (number 13). After the soldering class we will have a workshop to build the digital *Continued page 4*



HAM RADIO FOR SALE . . .

29 October 2012 – Robert Webster (KD8OXJ) - By the time this copy of the Wave Bender reaches you there may be some changes in the wind for the nation. The election will be over, or soon over, and we will know who will be "leasing" the residence at 1600 Pennsylvania Avenue for the next four years. For some this will be good news, for others, not so much.

It is for a set of very good reasons that I generally refrain from writing anything that comes close to a political editorial. Politics, an older gentleman from the south once told me, is like wrestling the pig. The outcome, he said, doesn't really matter. But in the end you will most certainly be dirtier and smell significantly worse.

Regardless of which candidate wins the presidential race in the general election, we in the Amateur Radio community need to "keep our antennas up." Both campaigns' promises of a quick turnaround to the economy in the next presidential term are rampant. However real folks, and some very down-to-earth economists, all exercising good common sense will tell you that turning an economy is like turning an aircraft carrier, not a speed boat or a Smart Car.

What does all this mean to Amateur Radio? A lot! Both houses of the Federal Legislature and the Executive Branch (the President) are in fact playing high-stakes dialing for dollars. The expanding wireless technologies of hand-held and pad-like devices need more and more bandwidth. For Internet Service Providers (ISPs) the broad, yes broad, spectrum of the airwaves that we Amateurs are the custodian over is akin to the Coyote salivating over the prospects of a Road Runner dinner . . . and they are willing to pay big money for that meal. Most elected officials and bureaucrats (in certain agencies) hear this as the annual sound of big coins in the proverbial collection basket.

All is not lost . . . at least not at *Continued page 5*



Officer's Meeting: November 18, 7:00 P.M.
At the Avnet's (330-549-3051)
Regular Meeting: Nov. 20, 7:00 P.M. Davidson's,
3636 Canfield Rd. in Cornersburgh

Speaker: Dave Brett KD8NZF

Topic: Show & Tell Dave will be talking about the radio he built

2012 Officers:

President: Al Avnet, AB8AA ab8aa@arrl.net
VP: Robert Webster, KD8OXJ

Secretary: Jane Avnet, K8JAA k8jaa@arrl.net

Treasurer: Maureen Stein, KD8NXS
mfstein@zoominternet.net

Trustees: Steve Fabry, KC8SOY kc8soy@yahoo.com
Ted Filmer, KD8IJE efilmer@aol.com
Roy Haren, KD8IJF harens@juno.com

Social: Maureen Stein, KD8NXS
mfstein@zoominternet.net

Publicity: Robert Webster, KD8OXJ
rswbster@mail.com

Badges: John Fabry, KC8SPF
jonnnyjukebox@sbcglobal.net

<http://www.qsl.net/w8wrc/>

UNR'S OSPOTA ADVENTURE

From the area's PREMIER QRP GROUP (Team Klondike Mike) We met at 10:30ish at Lake Milton to set up for the OSPOTA contest Leon N8GLK, and I (Mike KC8UNR) decided to set up with ease of take down in mind since the weather was wet and cloudy. We got both the 80meter and 40meter dipoles set up, and QRP rig on the tailgate as you can see in the pics. After an hour or so the weather started to slowly clear. We then set up additional items to help make things easier for the contest. It was a table so we could eat lunch comfortably to be honest. Now that lunch was covered, back to the contest. The time had come that both Leon and I had other obligations to attend to, so we took down the "Lake Milton station," and headed out. We had a great time, we also assisted with Dave, and a few other hams who came out and set up down hill from us, for the rest of the contest. I apologize. I do not remember Dave's or anyone else's call sign. I only know them by face, and they are members of Western Reserve Amateur Radio Club!



Hope to hear you on the air, somewhere
Klondike Mike, KC8UNR

2012 DIABETES WALK.



We had a great turnout for the 2012 Diabetes Walk. Those Hams who came out to help were: Coordinator, Roy KD8IJF; Net Control, Maureen KD8NXS; Scribe, Jane K8JAA; Runner, Joe KD8RCC. Stations: Steve KC8SOY; Stan KB3WPD; Robert KD8OXJ; Cory KD8STS; Allan AB8AA; David N8YMZ; Wes W8IZC; Russ NR8W.

The 2 & 5 mile courses, proved to be a bit confusing to the folks walking the event, which turned out OK in the long run. We've been promised the maps will be clearer next year and the course will have better markings. Yes, we've been asked back. Those of us who got up early to participate had a very good time, thanks for coming out.

WRARC Communications Team Net
Friday Nites 8:00P.M.
145.270, PL -110.9
Net Control will be rotated

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

Upcoming Net Control Operators

- Nov. 02 Russ N8RW
- Nov. 09 Dave KD8NZF
- Nov. 16 Roy KD8IJF
- Nov. 23 Dennis KD8SNA
- Nov. 30 Dave KC8WY
- Dec. 7 Darrin N8DMC



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

W8SGT is facilitating an HF net
every Tuesday - 1800 (6:00 PM)
The net is run from the
State of Ohio EOC on the
Ohio ARES Admin
frequency 3875 KHz LSB.
All are welcome to check in.

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

NBEMS/FLDIGI is being used with training on
the message handling capabilities of
FLDIGI/FLMSG. Start with BPSK-125 and other
modes may be used for testing

First Wednesday of the Month
Mahoning County
ARES/RACES/Skywarn Training Net
is held on the W8QLY repeater
146.745 (-) at 8:30P.M.

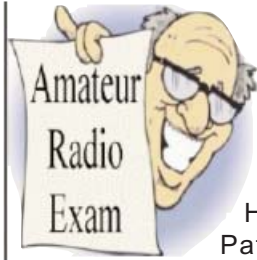
Articles from members for the Wave Bender are encouraged. They must be received by the editor three days before the end of the month. Please send your articles to: k8jaa@arrl.net, and put WRARC on the subject line of your email. You may also send your articles to the editor at:

Jane Avnet
2050 E. South Range Rd.
New Springfield, OH 44443



OCTOBER TEST SESSION

UNION PACIFIC SPECIAL EVENT STATION.



Another Technician class is over. We had five students in the class. The test session for the class and for any other Ham who needed to test was on October 18. Of the five, four are now Hams. WRARC Members John Patros KD8TIJ and Rosemary Marco KD8TII. Other members of the class who passed were Brian Lewis KD8TIH and Bonnie Scott KD8TIK. Congratulations to the class!



You are invited to join the Union Pacific Amateur Radio Club celebrating the 150th anniversary of President Lincoln signing the Pacific Railway Act of 1862. December 1st & 2nd, 2012, 1200Z – 0400Z, past and present employees of the Union Pacific Railroad will be operating a special event station under the call WØUPR. They will be offering special event QSL cards and Certificates based on the number of UP contacts logged. Rules and a station list can be found on the internet at: <http://www.pocatelloarc.org/uprr/>

Other Hams who were at the test session that evening were: Jeffry Williamson KD8TIL, Technician; Bruce Robson, KB8VDP, General; Daniel Shanafelt, KD8STK, General; Gerard Black, KB3WBE, Extra. Congratulations to the new Tech, two new Generals, and the new Extra!

The VEs, who graded the W5YI test session, were Al Avnet, AB8AA, contact VE; Dave Beatty, KC8WY; Jane Avnet, K8JAA; Jim Jickess, KB8QDZ; Robert Webster KD8OXJ; Roy Haren, KD8IJF; Sam DiRocco, W8SDD; Wes Boyd, W8IZC.

N8DMC was there to lend moral support to his friend KD8TIL. Thanks to everyone for all your help.

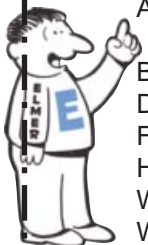
Dave KD8NZF
via email

Daylight Savings Time ends Sunday, November 4, 2012 at 2:00:00 AM and clocks are turned backward 1 hour. The way I remember it is "Spring forward, Fall back". Don't forget to change the battery in your smoke detectors.
W8DEC



EXERCISE BLOCK
1 -Place block on floor
2 -Walk around it twice
3 -Sit down! Relax
You have just walked around the block twice!
from KC8UNR

CONTACT WRARC ELMERS WITH YOUR QUESTIONS - QUESTIONS@WRARC.NET



Avnet, Allan AB8AA	Antennas, radio setup, mobile, grounding, classes, anything	ab8aa@arrl.net
Beatty, Dave KC8WY		kc8wy@zoominternet.net
Dominick, Rocco KD8XX		roccodominick@msn.com
Fabry, Steve KC8SOY	Yaesu FT8900, FT8800, Mobile	kc8soy@yahoo.com
Haren, Roy KD8IJF	???	harens@juno.com
Webster, Robert KD8OXJ	erecting antennas	rswbster@mail.com
Williams, Russ KD8LDY	Electrician, tele-data, Amateur Extra	russellwhoknew69@aol.com

TYPES OF EMERGENCY NETS

Tactical Net—The Tactical Net is the front line net employed during an incident, usually used by a single government agency to coordinate with Amateur Radio operations within their jurisdiction. There may be several tactical nets in operation for a single incident depending on the volume of traffic and number of agencies involved. Communications include traffic handling and resource recruiting.

Resource Net—For larger-scale incidents, a Resource Net is used to recruit operators and equipment in support of operations on the Tactical Nets. As an incident requires more operators or equipment, the Resource Net evolves as a check-in place for volunteers to register and receive assignments.

Command Net—As the size of an incident increases and more jurisdictions become involved in the incident, a Command Net may become necessary. This net allows the incident managers to communicate with each other to resolve inter- or intra-agency problems, particularly between cities or within larger jurisdictional areas. It is conceivable that this net could become cluttered with a high volume of traffic. It may also be necessary to create multiple command nets to promote efficiency.

Open and Closed Nets—A net may operate as an open or “free form” net, or as a closed net where a net control station (NCS) is used to control the flow of transmissions on the channel. Typically, when the amount of traffic is low or sporadic, a net control isn’t required and an open net is used. Stations merely listen before they transmit. When a net is declared a “closed” net, then all transmissions must be directed by the NCS.



Matthew Welch W8DEC
Ohio Section Emergency Coordinator
ARRL - The National Association for Amateur Radio™
w8dec@arrl.net

QST - CONTINUED FROM PAGE 1

interface. I would like to know if anyone has any ideas for workshops.

“The important thing is to never stop learning something new”

73 Allan, AB8AA

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

Democracy will cease to exist when you take away from those who are willing to work and give to those who would not.
Thomas Jefferson



FCC SEEKS COMMENTS ON PROPOSED RULES CHANGES

"Earlier this month, the FCC released a Notice of Proposed Rulemaking (NPRM) -- WT Docket No. 12-283 -- proposing to amend the Part 97 rules governing the Amateur Radio Service. On October 24, a summary of the NPRM was published in the Federal Register and the FCC is seeking comments on it.

"Specifically, the Commission is proposing to modify the Amateur Radio Service rules to grant examination credit for expired and beyond-the-grace-period-for-renewal Amateur Radio operator licenses; to shorten the grace period during which an expired amateur license may be renewed; to revise the time a call sign is not available to the vanity call sign system correspondingly, and to reduce the number of volunteer examiners needed to administer an amateur license examination. The NPRM also asks for comment on amending the rules to permit remote test administration, and proposes to amend the Amateur Radio Service rules to allow amateur stations to transmit certain additional emission types.

"Comments must be filed on or before December 24, 2012 (60 days after publication in the Federal Register); reply comments must be filed on or before January 22, 2013 (90 days after publication in the Federal Register). Instructions on how to file comments are listed beginning on page 12 of the NPRM.

"The NPRM can be found on the web in PDF format at, http://transition.fcc.gov/Daily_Releases/Daily_Business/2012/db1002/FCC-12-121A1.pdf."

ARRL Great Lakes Division
Director: James E Weaver, K8JE
k8je@arrl.org

NONSENSE FROM THE INTERNET



HAM RADIO FOR SALE - CONTINUED FROM PAGE 1

the moment. Complacency will, however, squelch us if we are not vigilant. On this topic a quote from Sean Connery in *The Untouchables* comes to mind: "...what are you prepared to do? If you open the can on these worms, you must be prepared to go all the way."

Here are my recommendations:

- Get on the air . . . dead air will kill our hobby
- Be willing, trained, and available so when the "balloon goes up" we step up ... just like when we got to drive our parents' car we had to demonstrate responsibility to keep the privilege
- Write whomever represents you in a clear and concise manner more than once . . . make the case for Amateur Radio (somebody somewhere still gets paid to read mail / e-mail)
- Support the ARRL Spectrum Defense Fund . . . I'm not generally a great supporter of lobbying of any type but this one is worth a few dollars if you can spare it

Ham Radio is for sale. Regardless of your political persuasion, do not be misled. Those who want to put our spectrum allocation on the block maintain a level of "full quieting" so the alarm is not raised. They realize that 700,000 voices, give or take a few, when speaking in unison can create a lot of noise and public awareness.

To again quote Sean Connery: "...what is you prepared to do?"

-73- Robert (KD8OXJ)

NOVEMBER SPEAKER

David Brett, KD8NZF, will be the speaker at the November meeting. The following are the bullet points for his presentation.

- Softrock Ensemble TXRXSDR radio kit
- Features of the Softrock radio
- Softrock receiver circuit
- Software used with the Softrock
- ▶ Construction
 - SMT
 - Coil Winding



Remember to come out and vote for one 3-year trustee.

**"A wise man debates with a fool, and the fool rants and laughs and there is no peace."
 Proverbs 29:9**

MICHAEL AUSTIN FUND



With the holidays approaching, it seems to be a good time to remind everyone that we are still running the Michael Austin Fund which was started a year ago this month. It currently has \$1,556.71, which is a little past the halfway mark to our goal of \$3,000.00.

I would like to make an appeal to the club members, if they are able to do it this year, to consider "gifting" one more time to Mike's fund for the holidays. A deposit can be made at any Farmer's Bank branch. I know times are difficult and if anyone is not able to contribute at this time, it is understandable, given the economy. I know how appreciative Mike is. It would be so nice to make this happen for him.

There are some other things that can be done in this season. Sometimes church youth groups sponsor charitable causes between now and Christmas. If anyone thinks that groups from their places of worship may be interested, please feel free to bring it up to them and let me know if it can be done. Another thing is a bake sale done by us. This would take some volunteers to man a table to sell and to donate some baked goods. If anyone is interested in helping out, let me know and I can begin to make calls to set it up. Any thoughts on any of these ideas or for anything else, please contact me at 330-757-4963 or 330-398-1303.

Maureen KD8NXS

HURRICANE SANDY

Ohio activated State Emergency Operations Center as Super Storm Sandy moved across Ohio - Storm Caused Wind Damage, Flooding, Power Outages, Road and School Closures.

Columbus, OH – (Oct.30) the State of Ohio activated its Emergency Operations Center in Columbus to continue assessing and monitoring the impact of Hurricane Sandy as it moved across Ohio and Midwest after making landfall on the East Coast.

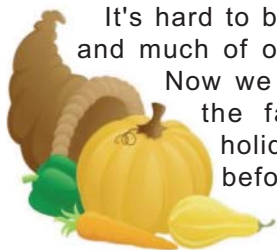
As of 12:02 p.m.Oct. 30, there were more than 250,000 Ohio customers without power, with the majority in Cuyahoga County. Schools across northeast Ohio were closed. No deaths have been reported. The Ohio Department of Transportation has 383 crews clearing snow and debris throughout the state. ODOT reports storm-related road closures in Cuyahoga County (I-90), Portage County (SR-303) and Ashtabula County (US-20). All were projected to reopen later that day.

County emergency management agencies in northeast Ohio continue to respond to the ongoing power outages and flooding throughout the region.

The Butler County Incident *Continued page 6*

2013 AFTER THE HOLIDAYS PARTY

SANDY - CONTINUED FROM PAGE 5



It's hard to believe that October is now over, and much of our fall season has gone with it.

Now we are beginning to look ahead to the fast-approaching, always busy, holiday season, which will be here before we know it.

That is why it's not too early to put things together for our Club's After the Holidays Party on January 13, 2013. We circulated the sign-up sheet for the first time at the October meeting and so far we've had a very nice response. The party, which is held in place of our January meeting, is always fun. We have such a good time just relaxing a little and socializing.

The time for the party is 3:00 P.M. It will be held again at A La Cart Catering in Canfield. They always do a good job. This year we have the large room reserved, as our group has been growing in membership so nicely. The cost is \$16.00 per person. Please feel free to include as many family members or friends as you would like in your group. This party is for the whole family and not just the WRARC members in their households.

I will be circulating the sign-up sheet again at the November and December meetings. Anyone who would like to sign up but can't attend these meetings, can always call me at 330-757-4963 (home) or 330-398-1303 (cell), you will be added to the list. Payments can be given to me at these meetings, either in cash or by check made out to the club. All payments will be deposited and one check will be written from the Treasury to the caterer the day of the party.

I will need to give A La Cart a final head count one week before the party. That is the number they will prepare for and the number of dinners we are obligated to pay for. To be included in the final count, payment must be given to me before January 6, 2013. Payments also can be mailed to me at:

Maureen Stein
3088 Southwind Tr.
Poland, Ohio, 44514

Hope to see everyone there.

Maureen KD8NXS



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

Management Team (IMT) and Ohio IMT are being dispatched to New York to assist the state emergency operations center (EOC) with logistics and planning.

The Ohio Emergency Management Agency dispatched three staff members to assist in the NY EOC.

Keep up on road closures due to construction and severe weather at the Ohio Department of Transportation's site: www.buckeyetraffic.org. Up-to-date information on Ohio and Superstorm Sandy are available on the Ohio EMA website:

www.ema.ohio.gov. Additional information on severe weather safety and preparedness is available at www.ready.ohio.gov and ww.weathersafety.ohio.gov.
#

State urges safety when using generators -

Columbus, OH – As more than 250,000 electricity customers await power restoration following Superstorm Sandy, many Ohioans will turn to generator power to heat homes and run appliances. While a generator can provide an alternative source of power when the electricity goes out, it can also become a dangerous source of carbon monoxide and pose threats near high-water areas. The state of Ohio urges residents to practice caution when using power generators.

The Ohio Department of Health provides the following information on power generators and generator safety:

Carbon monoxide, or CO, is an odorless, colorless gas that can cause sudden illness and death. A single gas-powered generator can produce as much as 100 times more poisonous Carbon Monoxide gas than a car's exhaust.

Never use a generator inside your home, basement or garage. Opening the garage door does not make it safe. Never use a generator in a flooded area. Operate generators outdoors as far away from your house as possible.

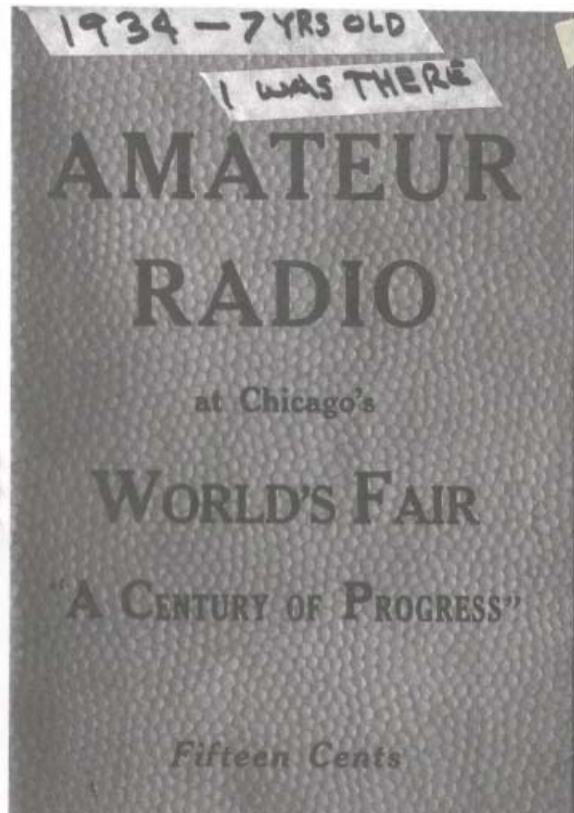
The National Institute of Standards and Technology reports that even 15 feet away may still be dangerous because the CO fumes can enter the home through windows, doors or vents. Tests are still being conducted to find a safe operating distance. Never refuel a generator while it is running or hot. Install CO detectors inside the home near all the sleeping areas.

For additional information on generator safety and to view a video that demonstrates the dangers of carbon monoxide, visit:

<http://bit.ly/GeneratorSafetyOH>. For residents without power, please contact your local 211 for information and lists of resources. Call 911 in an emergency. Information is also available online at www.ema.ohio.gov. Follow along on Twitter with #OHwx. # # #

MEMORIES

Submitted by John Curea KG8BC from his archives.



The Radio Amateur—
Who He Is—What He Does

Going at high speed, far out and high up above the Pacific Ocean, two courageous flyers were pitting their wits against tremendous odds, but they felt that the glory and a \$25,000 cash prize, if they were first in reaching Honolulu, were well worth the extreme dangers involved.

Several hours passed. Folks in the United States knew all was well—thanks to the purring, musical sounding dots and dashes of short wave radio. Ever since the plane had left constant short wave radio communication had been maintained. It began to look as though the \$25,000 was as good as won. Everybody was happy.

Suddenly, like a bolt out of the sky, the steady musical dots and dashes coming from the trans-Pacific plane started to waiver. Alert, ever-watchful, radio-amateurs up and down the Pacific Coast knew immediately something was wrong. With lightning precision they more closely adjusted their short wave receivers so that nothing would be missed. Looks of grave fear came over the faces of these amateur operators for the tell-tale dots and dashes were notifying the world that it was just a matter of seconds—the plane was in a tailspin and completely out of control—it was diving towards the ocean at a terrific speed.

Boats in the approximate vicinity were notified, but searching for several days did not reveal a single trace of the plane. It evidently had sunk quickly. The reasons for failure were many, but one thing stood out prominently—**AMATEUR RADIO DID NOT FAIL.** The radio operator on the plane stuck to his task of transmitting right up to the very last. He did not leave his post until the plane actually struck the water. He performed his duties faithfully. He was a real radio amateur.


A true story? Every bit of it. It happened to the ill-fated Dallas Spirit during the races from Oakland, California, to Honolulu in 1927. Captain Bill Erwin was pilot of the ill-fated Dallas Spirit and Alvin Eichwaldt was the radio operator drafted from the amateur ranks. Both courageous men.

Amateur radio, since 1919, has been the principle and in many cases the only means of outside communication in more than twenty-five storm and flood emergencies in the country. The most outstanding were: The Florida hurricane of 1926, the Mississippi and New England floods of 1927, the California dam break, and the second Florida hurricane in 1928, and most recent the gigantic earthquake in lower California in March of this year. During 1931 there were the New Zealand and Nicaraguan earthquakes and Viking explosion disaster in Labrador.

In all of these disasters, amateur radio played a major role in the relief and rescue work. Amateurs deservedly earned world-wide commendation for their resourcefulness in effecting communication when all other methods failed.

Amateur radio also has been of great assistance in scientific expeditions. When Commander Byrd went to the Antarctic three of his four radio operators were men taken from the amateur ranks. And amateur radio stations all over the world provided a great part of the means for the thousands of messages, both personal and business, to friends and relatives in the U. S. A. As a result of amateur accomplishments in the past, practically all expeditions now seek amateur assistance and cooperation, simply because it is known how successful they are in furnishing home contacts.

Emergency relief, expeditionary contact, and countless instances of other forms of public service rendered, as they always have been and always will be, without hope or expectation of material reward, have made amateur radio one of the outstanding examples of human enterprise.



ELECTIONS TO BE AT OUR NOVEMBER MEETING

One 3-Year Trustee to elect, why don't you consider throwing your hat into the pool. Only one person has stepped up to run for this position, Steve Fabry KC8SOY. While we know he will do an excellent job, we hate the lack of interest we saw during the nominations last month.

Holding an office is not rocket science. Yes, you will have responsibilities, but how difficult can that be? Just remember November 2013 you will be electing a full slate. Some of us are not able to run again. This is your club. We hope you'd like to see it continue. A successful organization needs new blood. If the same people remain in office, an organization grows stale.

Be careful reading the fine print. There's no way you're going to like it.

**GENERAL CLASS STARTING
NOVEMBER 7
AT ITT TECH
FOR INFO CALL AL
330-549-3051**



November 2012



Preparedness Leads to Readiness

			1	2 WRARC Net 9:00PM 145.270 Happy Birthday KD8CGW	3 EC001 Class	
4 Standard Time Happy Birthday W8IZC	5	6 National Elections	7 ARES Net 8:30 P.M. 146.745 General Class Starts	8	9 WRARC Net 9:00PM 145.270	10 EC001 Class & Test Happy Birthday KD8GGZ
11	12	13 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast	14 General Class	15	16 WRARC Net 9:00PM 145.270	17
18 WRARC Board Meeting 7:00P.M	19	20 WRARC Meeting 7:00P.M 	21 General Class	22 HAPPY THANKSGIVING! Happy Birthday KD8NZF	23 WRARC Net 9:00PM 145.270	24
25	26 WaveBender Articles Due	27 Eat'n Park Boardman 8:30 A.M. Happy Birthday KD8TII	28 General Class	29	30 WRARC Net 9:00PM 145.270	12/1 Happy Birthday KC8PD