

The Wave Bender

March 2014

PRESIDENT'S MESSAGE



for now.

Looking out the window as I write this, the sun is shining and it's 45 deg. Only six more days in February. It's been a pretty tough month for a lot of folks, but March is almost here to bring us much better weather. I'm looking forward to March for two reasons, spring and daylight-saving time. Phil the groundhog was right for a change!

As new President of the club, my first official meeting went very well. We met new people as guests, and Matt Welch and David A. came to the meeting with Ham Jeopardy. We all had fun with that. Thanks to everybody for their support. The sign-up sheet for the Home and Garden Show went around, and we had quite a few volunteers. We could use a few more. Call or e-mail me if you want to sign up.

Coming up in May is our Adopt-A-Highway clean up and also Field Day in June. Sign-up sheets will be passed around at upcoming meetings. That's all

73, Roy KD8IJF

P.S. The Friday night nets have been doing very well. Keep checking in everybody!



Officer's Meeting: March 11, 7:00 P.M. At Eat 'n Park, 8051 Market St., Boardman.
Regular Meeting: March 18, 7:00 P.M. Davidson's, 3636 Canfield Rd. in Cornersburgh

Speaker: Jesse Thorn
Topic: Therapeutic massage for pain relief and restoration of the body

2014 Officers:

President:	Roy Haren, KD8IJF	kd8ijf@wrarc.net
VP:	Joe Wojtowicz KD8RCC	kd8rcc@wrarc.net
Secretary:	Kevin Stein, KD8NXS	kd8nxs@wrarc.net
Treasurer:	Maureen Stein, KD8NXS	kd8nxs@wrarc.net
Trustees:	Steve Fabry, KC8SOY	kc8soy@wrarc.net
	Chris Monske, KD8ELY	ld8ely@wrarc.net
	Harry Harker, KD8PQK	kd8pqq@wrarc.net

Appointed Positions:

Social:	Maureen Stein, KD8NXS	kd8nxs@wrarc.net
Publicity:	Joe Wojtowicz, KD8RCC	kd8rcc@wrarc.net
Newsletter/Web:	Jane Avnet K8JAA	k8jaa@wrarc.net
Facebook/Badges/logo Design:	John Fabry, KC8SPF	kc8spf@wrarc.net

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

TECHNICIAN CLASS

TECHNICIAN CLASS STARTING
APRIL, 4
FOR INFO & BOOK CALL AL
330-549-3051



We had six visitors at our February meeting that were interested in becoming Hams. Because of this interest, we decided to hold a special Technician Class starting April 2. There is no charge for the class, just \$22 for the book used for the class, and \$15 for the FCC test given when the class finishes. If you know anyone, who might be interested, have them contact Al at 330-549-3051 or by email ab8aa@arrl.net

BOB HEIL RESCHUED

WE'RE INVITED..

 To a VERY SPECIAL PCARS Meeting on March 10, 2014. PCARS will be hosting a LIVE Skype presentation with Bob Heil, K9EID. Yes, THE Bob Heil, Monday - March 10, 2014 - 7 PM at the Portage County Amateur Radio Service club meeting. PCARS meets at the Overlook Restaurant (formerly the Twin Lakes Country Club) - Located at 1519 Overlook Rd, in Twin Lakes, Ohio.



Since this is something extra-ordinary, everyone, and anyone, that would like to attend is invited to see Bob's presentation. We have the room & PCARS looks forward to you being there!

In Bob's own words: "I have no set scripts for my presentations. We get into audio, antennas as well as some theory - keeping it simple."



Need more information? Contact PCARS President - Tom Sly, WB8LCD
WB8LCD@portcars.org

WHAT'S COMMING UP?

- March 6 Special Test session at ITT - 6:30 P.M.
- March 18 Meeting at Davidson's - 7:00 P.M. Jesse Thorn
- March 19 Skywarn Training 6:00P.M. Fitch HS
- March 28 - 30 Greater Youngstown Home and Garden Show -
 contact Roy KD8IJF to Volunteer to help.
- April 15 Meeting at Davidson's - 7:00 P.M. SM, Scott Yonally, N8SY
- May 20 Meeting at Davidson's - 7:00 P.M.
- June 17 Meeting at Davidson's - 7:00 P.M.
- June 18 Test Session at ITT at 6:30 P.M. at ITT - 6:30 P.M.
- June 28 Test Session at our Field Day Site - 10:00 A.M.
- June 28 - 29 Field Day at Elser Airport again this year
 Contact Steve KC8SOY or Chris KD8ELY to volunteer for a station
- July 11 & 12 Tour of the Valley - contact Roy KD8IJF to Volunteer.
- July 15 Our Annual picnic



**WRARC Communications Unit 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**

Upcoming Net Control Operators

Mar. 7 Jane K8JAA
Mar. 14 Chris KD8ELY
Mar. 21 Dave KC8WY
Mar. 28 This could be you
Apr. 04 Steve KC8SOY
Apr. 11 Al AB8AA
Apr. 18 Cory KD8STJ
Apr. 25 Joe KD8RCC
May 2 This could be you
May 9 Dennis KD8SNA
May 16 Chris KD8ELY

**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, KD8NZF, KC8SOY, KC8PQK, KC8UNR, KC8ELY, W8IZC, KC8PD, KB8UUZ, W8DEC, N8SY, W5YI, the ARRL and the World-Wide Web.

TIPS & TRICKS

At the 2/11 Tuesday morning community breakfast, Cory KD8STJ suggested we try this idea for a while. Do you have any helpful hints that other Hams can use to make their experience more enjoyable? Here are a couple, I hope this gets you thinking.

 If you have a mag-mount on your car, be sure you clean the snow and ice from around and under the mag-mount, and you will transmit better - KC8WY.

 We found an interesting tip that might just improve the performance of those small affordable handheld ham radios called a "Handy Talky" or HT for short in ham vernacular. [RadioHamGuy] posted an interesting video on adding a counterpoise antenna wire to an HT. He claims it will noticeably improve both transmit and receive by making a quarter-wave monopole into a makeshift dipole antenna system.

Per his instructions you basically add a short wire to the antenna's outer ground connection or to an equivalent case screw that's electrically connected to the antenna's ground side. Apparently this can be referred to as a Tiger Tail and does make it look like your HT has a tail. You would construct a counterpoise antenna wire 11.5 inch for VHF, 6.5 for UHF and about 19.5 inches for an OK performing dual band VHF/UHF radio.



Normally with a handheld radio the counterpoise (ground) is your own body as you are holding the HT. This is because the capacitance of your body makes a good counterpoise under normal conditions. It would be interesting to hear what others find for performance when adding a counterpoise antenna wire.

<http://hackaday.com/?s=counterpoise>

WEB SITES AND DATES FOR ADVANCE SKYWARN TRAINING

Online - 4/17/2014 - 700 pm Advanced Online -
<https://www2.gotomeeting.com/register/944240306>

Online - 4/21/2014 - 700 pm Advanced Online -
<https://www2.gotomeeting.com/register/944310090>
http://www.crh.noaa.gov/iwx/?n=online_spotter_training

2014 Severe Weather Awareness Week - OH & PA - March 2-8, 2014
<http://spotterguides.us/advanced/advanced01.htm>



Challenge WRARC Elmers with your Questions - questions@wrarc.net



Used with permission

Avnet, Allan AB8AA	Antennas, radio setup, mobile, grounding, classes, anything	ab8aa@wrarc.net
Beatty, Dave KC8WY	anything	kc8wy@wrarc.net
Fabry, Steve KC8SOY	Yaesu FT8900, FT8800, Mobile	kc8soy@wrarc.net
Haren, Roy KD8IJF	???	kd8ijf@wrarc.net
Monske, Chris KD8ELY	Mobile installations	kd8ely@wrarc.net
Webster, Robert WR8RW	erecting antennas	wr8rw@arrl.net
Williams, Russ NR8W	Electrician,tele-data, Amateur Extra	nr8w@wrarc.net

If you don't ask, you don't learn

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



SKYWARN

**BASIC SPOTTER
TRAINING.
MARCH 2014**

**Tuesday March 4, Trumbull 6:30 P.M.
Kent State Branch - Technology Building Room 117 -
4314 Mahoning Ave.
Warren, OH 44483**

**Tuesday March 11, Stark 6:00 P.M.
Stark State College, Student Center
6200 Frank Ave Nw
North Canton, OH 44720**

**Thursday March 13, Summit 6:00 P.M.
American Red Cross
501 W. Market Street,
Akron, Ohio 44303**

**Monday March 17, Crawford, PA 6:30 P.M.
St. Brigids - 383 Arch St
Meadville, PA 16335**

*** Wednesday March 19, Mahoning 6:00 P.M.
Austintown Fitch High School -Auditorium
4560 Falcon Drive,
Austintown, OH 44515**

**Tuesday, March 25, 2014 6:30 P.M.
The Columbiana Co. Career And Training Center
9364 State Route 45
Lisbon, OH 44432**



Being a storm spotter not only means dedication, but also training. Each spring the Cleveland office of the National Weather Service trains members of police & fire departments, emergency management officials and amateur radio operators on spotting techniques. Typically the training is coordinated by a local group (such as an emergency management agency), and a NWS meteorologist serves as the guest instructor. The goal of the training is not just to recognize tornadoes, but to have some understanding of storm structure, which in turn better prepares the spotter for the extreme and unusual circumstances.

SKYWARN™ Training is FREE and open to the public. Please attend any of the training sessions listed above. You will be trained and enrolled in the program. You do not need to pre-register.





The Federal Communications Commission (FCC) has recently learned that an old long distance phone scam that leads consumers to incur high charges on their phone bills may now affect wireless consumers. In the past, consumers have been fooled into making expensive international calls by scam artists who leave messages on consumers' answering machines or their email accounts. The messages urge consumers to call a number with an "809," "284," "876," or some other area code to collect a prize, find out about a sick relative, or engage in sex talk.

Wireless consumers are now receiving similar calls from phone numbers with three-digit area codes that appear to be domestic, but are actually associated with international pay-per-call phone numbers. While wireless companies are working to block suspicious numbers on their networks, some consumers may become victims of this scam.

The Scam Works Something Like This:

Your wireless phone rings once or twice and then disconnects the call. When the number appears in your wireless phone log as a missed call, it appears to be a typical domestic telephone number starting with a "649" area code; or you get an email or voicemail (on your residential wired telephone) telling you to call a phone number with an "809," "284," "876" or some other three-digit international area code.

When you return the call, you assume you are making a domestic long distance call – as "649," "809," "284," "876" and other area codes involved in this scam, appear to be typical three-digit U.S. area codes.

When you dial the three-digit area code plus the number, however, you are connected to a phone number outside the United States, often in Canada or the Caribbean, and are charged expensive international call rates, and may be charged for pay-per-call services as well. (In this case, "649" goes to the Turks and Caicos, "809" goes to the Dominican Republic, "284" goes to the British Virgin Islands, and "876" goes to Jamaica.) You don't find out about the higher international call rates until you receive your phone bill.

What You Can Do to Minimize the Risk of This Happening to You:

Check any unfamiliar area codes before returning calls.

- Be aware that there are many 3-digit area codes (mostly in the Caribbean) that connect callers to international telephone numbers.
- If you do not otherwise make international calls, ask your local or wireless phone company to block outgoing international calls on your line.

Filing a Complaint with the FCC

If you are billed for a call you made as a result of this scam, first try to resolve the matter with your telephone company. If you are unable to resolve it directly, you can file a complaint with the FCC. There is no charge for filing a complaint. You can file your complaint using an FCC online complaint form found at www.fcc.gov/complaints. You can also file your complaint with the FCC's Consumer Center by calling 1-888-CALL-FCC (1-888-225-5322) voice or 1-888-TELL-FCC (1-888-835-5322) TTY; faxing 1-866-418-0232; or writing to:

Federal Communications Commission Consumer & Governmental Affairs Bureau Consumer Inquiries and Complaints Division 445 12th Street, SW
Washington, DC 20554.

The best way to provide all the information the FCC needs to process your complaint is to complete fully the online complaint form. When you open the online complaint form, you will be asked a series of questions that will take you to the particular section of the form you need to complete. If you do not use the online complaint form, your complaint, at a minimum, should indicate:

- – your name, address, email address and phone number where you can be reached;
- – the telephone and account numbers that are the subject of your complaint;
- – the name and phone numbers of any companies involved with your complaint;

Continued page 7

FCC - CONTINUED FROM PAGE 6

- the amount of any disputed charges, whether you paid them,
- whether you received a refund or adjustment to your bill,
- the amount of any adjustment or refund you have received,
- an explanation if the disputed charges are related to services in addition to residential or business telephone services; and the details of your complaint and any additional relevant information.

Filing a Complaint with the Federal Trade Commission (FTC)

If you feel that you are a victim of an international phone scam, you can file a complaint with the FTC online at <https://www.ftccomplaintassistant.gov>. You can also submit a complaint by calling the FTC toll-free at 1-877-382-4357 (voice) or 1-866-653-4261 (TTY), or writing to:

Federal Communications Commission .Consumer & Governmental Affairs Bureau
 445 12th St., SW
 Washington, DC 20554
 1-888-CALL-FCC (1-888-225-5322) .
 TTY: 1-888-TELL-FCC (1-888-835-5322)
 Fax: 1-866-418-0232
www.fcc.gov/cgb

Federal Trade Commission CRC - 240
600 Pennsylvania Ave., NW Washington, DC 20580.

For More Information:

For information about other telecommunications issues, visit the FCC's Consumer & Governmental Affairs Bureau website at www.fcc.gov/consumer-governmental-affairs-bureau, or contact the FCC's Consumer Center using the information provided for filing a complaint.

WRARC MEMBERS GET AROUND

A couple WRARC members and friends participated in PCARS, FYAO in February. Said they had fun ?



N8GLK, KD8ELY & KC8UNR

KC8UNR & Becca Davis

N8GLK, KD8ELY & KC8UNR

Dave KD8NZF and Nancy KD8QNY decided to take a ride to WashFest, the Hamfest near Pittsburgh. Nancy won the drawing for a Yaesu 2M mobile – Sometimes the emails I forward pay off! Congrats Nancy!

TIME CHANGE..

Yes folks, it's that time of year once again. As that we will be going to Daylight Saving (notice no "S") Time we will be springing ahead one hour. This will happen at 02:00 Sunday, March 9, 2014. Don't forget, or you will be late for everything until you "spring forward."



HAM RADIO WAS THE MOTIVATION BEHIND THE START OF DIGI-KEY ELECTRONICS.



If you dabble in electronics circuitry, sooner or later you will run into the mega-distributor Digi-Key. Did you know Digi-Key got their start from Ham Radio?

According to the company history Digi-Key was started by Dr. Ronald A. Stordahl's interest in ham radio. While in college he assembled and began selling a digital electronic keyer kit for sending radiotelegraph code for ham radio operators. It was called the Digi-Key. Anticipating high demand for his "digi-keyer," Stordahl optimistically bought tens of thousands of transistors and other components for his design. But orders were slim, so he began selling the components themselves by mail order.

After obtaining his PhD in Electrical Engineering from the University of Minnesota, Stordahl returned to his hometown of Thief River Falls, Minnesota. The Digi-Key "Keyer" is long gone, but Digi-Key Corporation has become one of the fastest growing electronic component distributors in the world.

From the outset, Digi-Key utilized direct marketing as its exclusive means of reaching potential customers. In its first ten years, marketing efforts were focused on the electronic hobbyist. Then, in 1982, the company began targeting catalog mailings to the commercial market. As a result, the commercial user has grown from 20 percent of total business to more than 98 percent.

Over the years, Digi-Key has done business with some interesting customers. There are components purchased from Digi-Key in satellites orbiting the earth, we've sold components to Paramount Pictures for use in science fiction movies, Barry Goldwater once purchased a digital clock kit, Disneyland and the Space Agency are also included on our customer list. In fact, 99 of the top 100 electronic companies in the United States have done business with Digi-Key.

In just the past four years, Digi-Key has grown from the 16th largest to the 5th largest among the more than 300 electronic distributors in North America. It is Digi-Key's customer-centered business philosophy that will continue to drive the company's rapid growth.

"The good idea still remains," according to Stordahl, "Along with a great group of people dedicated to providing the best possible service to our customers. Service is the key."

73, Dave, KD8NZF

THINGS THAT ARE GOING ON WITH THE WORLD WIDE DX



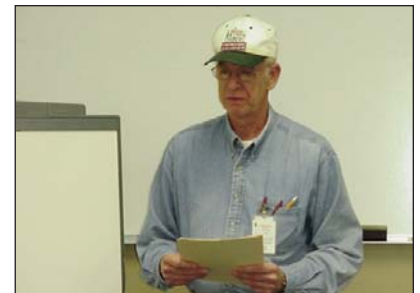
Look into getting your WAS Award. It will be easy with the 100-year anniversary of the ARRL. There are several new states on the air every week. That will allow you to get the 100 anniversary's worked all states from ARRL.

There are also working members and staff from ARRL will get you points toward an award from ARRL.

Band conditions are better than they have been. So there is no excuse for not working lots of HF FUN.

There are all kinds of events and contests for you to work on the bands. All you have to do is get on the radio and make contacts.

There are a lot of digital things going on. Tune to 14.070 and listen to the PSK31 signals there. Tune up to 14.090 and you will find RTTY. Just remember to watch that you are in the band area for your license class.



It is also the time to start thinking about what antennas you want to get and put up. Buy them early and read the instructions carefully. That way when you get ready to build it you will have a better idea of what goes where. That's all for now, more next month

73 AB8AA

FEBRUARY TEST SESSION RESULTS



The February 19 test session was a great success! We have one new Technician, Joe McElroy, KD8WOF; two new Generals, Darrin Cannon, N8DMC and Russell Bishop, KD8WOF. Russell passed both his Tech and General at this session; three new Extras, Chris Monske, KD8ELY; David Crincic, KB8JHD; Doug Dickey, KJ4INB. Doug lives in Fla., is in this area for work. KD8ELY and KD8JHD are currently taking the Extra class. I guess they don't have to finish it. Congratulations to our newest Ham, and to all of you who upgraded - Good work.

Interesting bit of trivia - KD8JHD took his Tech test from KC8WY, when Dave was a VEC, more than 20-years ago. They met again at this Test Session.

The VEs who came out to administer the tests were: Al, AB8AA, VEC & potographer; Jane, K8JAA; Dave, KC8WY; Jim, KB8QDZ; Roy, KD8IJF; Kevin, KD8NXR; Wes, W8IZC. Dave, KD8NZF (not pictured); Thanks for your help!



Due to recent budget cuts and the rising cost of electricity, gas, and oil, as well as, current market conditions, the Light at the End of the Tunnel has been turned off.

FIELD DAY 2014

Hi Everyone,

Field Day 2014 will be at the Elser Metro Air Port 10800 Sharrott road North Lima Ohio. Just as in the past, our Field Day event is open to everyone. So please invite your friends and neighbors to the site so they can see and hear what HAM radio is all about, and the fun we all have at our events.

We will be setting up the Friday before Field Day starting around 9:00 A.M., so mark the day and weekend to join your Club for a fun weekend.

This year the operating stations will be graded on their station set up. I am looking for ideas, suggestions, and comments on the Field Day site or anything else under the sun, however small or big please see me, KC8SOY, I will try my best to make it happen.



Please keep in mind that we must practice safety at our site. Every wire and power wire must have a flag or ribbon on it. We do not want anyone to trip on our set ups.

At the last club meeting, I asked for help at the site for this year, N8DMC, KD8ELY, and KD8SNA raised their hands to help with the site. Everyone that comes to our site must sign in. I hope to see you all this year, and hope everyone has a good time

73, Steve KC8SOY
Your Field Day chairman
Back by popular demand

I GET EMAILS

Great HD video of Baumgartner's 2012 recordbreaking skydive. See <http://apod.nasa.gov/apod/ap140210.html> Dan, MVAS reflector

Note that this boy is blind This 10 year old boy from Romania makes the judges cry. Now you have to remember he doesn't speak English. What a talent.

<http://www.flixy.com/10-year-old-alex-pirvu-makes-jury-cry-at-romanian-talent-show.htm>

Interesting site. http://www.ssec.wisc.edu/data/us_comp/us_comp.html Real-Time U.S. Composite Satellite Animation

FROM OUR SECTION MANAGER

Regulatory: FCC, Manufacturer Conclude Consent Decree on Marketing of Noncompliant Device

The FCC and the manufacturer of a device that wirelessly reports propane tank levels have entered into a Consent Decree that concludes an investigation into whether the company had been marketing a noncompliant RF device. It also provides a window into how the Commission occasionally resolves certain enforcement proceedings. The EnerTrac "Big Drops System" operated as an unlicensed Part 15 intentional radiator on 433 MHz; the manufacturer has since shifted to a licensed Part 90 frequency. According to the terms of the arrangement, EnerTrac will admit no wrongdoing, agree not to break the rules in the future, and make a "voluntary contribution" of \$13,000 to the US Treasury. In return the FCC will drop the entire matter.



"After reviewing the terms of the Consent Decree and evaluating the facts before us," the FCC said, "we find that the public interest would be served by adopting the Consent Decree and terminating the investigation.

As the FCC pointed out in the Consent Decree, intentional radiators must first receive FCC certification before being marketed in the US. Part 15 rules prescribe the maximum field strength emission limits for "periodic operation of intentional radiators that transmit at certain frequencies, including frequencies in the 433 MHz band," the FCC explained. While the Amateur Service enjoys privileges on 70 centimeters on a secondary basis, many unlicensed Part 15 devices operate in the vicinity of 433 MHz on a non-interference basis.

Prior to marketing the Big Drops System, EnerTrac submitted relevant information and a sample device to the FCC's Office of Engineering and Technology (OET). The OET certified the device as being in compliance with Part 15 rules.

In July 2012, the FCC received a complaint that the Big Drops System was not operating within the terms of its authorization. The Commission issued a Letter of Inquiry to EnerTrac, which reminded the FCC that the 433 MHz Big Drops System had been tested for compliance with Part 15 rules and had been certified by the FCC. The OET tested the system, however, and determined that it exceeded Part 15 emission limits, suggesting that there may have been differences between the unit tested for certification purposes and the version that EnerTrac marketed.

Subsequently EnerTrac told the FCC that the devices it was marketing "had the same radio frequency characteristics as the device certified" and the device the OET tested. EnerTrac further reported that it had ceased marketing the 433 MHz Big Drops System in November 2012 and had begun marketing a new Part 90 (Private Land Mobile Radio Services) device to replace it.

In terminating its investigation, the FCC Enforcement Bureau agreed that "in the absence of new material evidence," it would not use facts developed in the investigation to institute a new proceeding or take action against EnerTrac concerning matters that were at the heart of the investigation. The bureau also said it would not use any of the findings of its investigation in determining EnerTrac's basic qualifications to hold FCC licenses or authorizations.

Among other stipulations, EnerTrac, in turn, agreed to pull its 433 MHz Big Drops System devices out of service by the end of 2017. The company would have to remove immediately any device that is the subject of a complaint of unlawful interference, however. Read more.<http://www.arrl.org/news/fcc-and-manufacturer-conclude-consent-decree-on-marketing-of-noncompliant-device>

Clubs: Arecibo Observatory Club to Establish New Amateur Radio Station

The Arecibo Observatory Amateur Radio Club (KP4AO) is setting up a new Amateur Radio station in the facility's Angel Ramos Visitor Center exhibition hall. Club President Angel Vazquez, WP3R, said the new station will offer an opportunity to showcase ham radio to the thousands who visit the observatory each year. The announcement came during a behind-the-scenes tour of the deep-space radiotelescope campus, held in conjunction with the recent ARRL Puerto Rico Section Convention in Hatillo.

On behalf of Yaesu, Dennis Motschenbacher, K7BV, donated a new FTdx1200 transceiver to the new KP4AO

THANK YOU

station, while the Caribbean Amateur Radio Group presented the club with a banner for the new station.

Among those on hand to spin the dial on the new transceiver were ARRL President Kay Craigie, N3KN; Southeastern Division Director Doug Rehman, K4AC; Southeastern Division Assistant Director Jose Vicens, NP4G; Pacific Division Assistant Director John Bigley, N7UR; Puerto Rico Section Manager Rene Fonseca, NP3O, and others on the tour. The ARRL contingent presented the observatory station with a Centennial edition of The ARRL Handbook for Radio Communications.

The Arecibo Observatory recently celebrated its 50th anniversary, and KP4AO hosted a special event for the occasion. The new KP4AO station is expected to be completed in about 3 months.

Radio History: A Century of Amateur Radio and the ARRL

Following the resumption of Amateur Radio activities after World War I ensued a thundering herd of advances in the state of the Amateur Radio art. Here are some highlights from that period.

April 1922 -- The first contact was made between California and Hawaii. September 1922 -- 1CCZ worked every US call district in one night, the first time that had ever been accomplished. November 1922 -- Another record-breaking relay was accomplished, from 1AW to 9AWM to Hawaiian 6ZAC and back to 1AW in 4 minutes 18 seconds.

June 1923 -- The first expedition using Amateur Radio sailed. The schooner Bowdoin (WNP) had Don Mix, 1TS, aboard as its operator. This and later Bowdoin expeditions were searching for the land mass that was thought to exist at the North Pole. September 1923 -- VK2CM contacted ZL4AA (a 1500 mile path), with VK2CM running 4 milliwatts on CW! November 1923 -- 1MO and 1XAM worked F8AB, the first transatlantic contact. December 1923 -- 1EH made contacts with England, Italy, and Holland.

May 1924 -- The first contact was made between New Zealand and Argentina, a new DX record of 6400 miles. The same month saw the first contact between North and South America. July 1924 -- All previous shortwave work had required "experimental" licenses. After considerable groundwork by the ARRL, the government allowed shortwave work by all amateurs, with band assignments of 1.5 to 2.0, 3.5 to 4.0, 7.0 to 8.0, 14.0 to 16.0, and 56.0 to 64.0 MHz. September 1924 -- The first confirmed contact was made between California and New Zealand. December 1924 -- The first daylight transcontinental signals were heard, from Connecticut to California, as John Reinartz, 1QP, made experimental transmissions on the new 20 meter band.

April 1925 -- The first published article on the theory of shortwave propagation appeared in QST, authored by John Reinartz, 1QP. Also in April, the International Amateur Radio Union was formed at a conference in Paris, and Hiram Percy Maxim was elected as its first president. May 1925 -- The first contact was made between Australia and England, during daylight hours on 20 meters.

April 1926 -- The Worked All Continents award was first offered; it garnered eight initial members.

May 1927 -- The first annual ARRL DX Contest was held.

March 1928 -- The 10 meter band was opened to Amateur Radio use.

These were just a few highlights from that wonderful era of advancement of the radio art by amateurs. Next week: On to the 1930s. -- Al Brogdon, W1AB

LET'S TALK..

Hi Gang,

I borrowed that title from a good friend of mine. Hope you don't mind Phil.. I've been looking for a catchy title for my column and I think this one fits the best.. I like it. I know that Buckeye Chuck says that spring will come early this year, but you could sure fool me with all of this nasty weather that we've had these past several months.

73, Scott, N8SY
Section Manager
n8sy@arrl.org



DAIWA Model PS-120MIIa PS	\$40
Heathkit Model IM-11 VTVM	\$40
4. - ASTATIC Model D-104 Microphone w/ TUG8 Stands (Lollypop)	1 Excellent-\$70, 3 good- \$40 ea
ICOM Model IC-V80 2Mtr FM HH w/ Extra Battery and Charger-	\$90
Nye Viking Model B V A, Antenna Tuner-	\$425
TRIPLET Model 630 VOM-	\$45
MFJ Model MF-J-250 50 ohm oil dummy load-	\$40
MFJ Model MFJ407B Electronic Keyer-	\$40
Heil Model HM10 4-5 Microphone with Stand-	\$100
Standard C1208DA 2 mtr FM Mobile	\$200
MFJ-1702C, 2 Pos Coax Switch-	\$20
Radio Shack Model 22-223 VOM	\$10
Astron Model RS-12 12 Amp Power Supply	\$45
Bencher BY-2 Paddle, Chrome NEW	\$75
Straight Key Brass	\$25
ASTATIC Model 10-D w/G Stand-	\$50
Electro Voice Model 664-	\$50
2ea- Electro Voice Model 638	\$50
Shure Microphone and stand	\$20
W1FFL Ladder-LOC	\$10
Radio Works Carolina Windom 10-80 meters	\$50
Radio Works 1/2 Square	\$45
Alpha-Delta Sloper 40-80-160	\$50
Kenwood TL-922 Linear	\$1200
MFJ-989C Antenna Tuner	\$150
MFJ-281 ClearTone Speaker	\$10
Soldering Iron 25 Watt Variable	\$20
2 Large soldering irons 1-150Watt and 1 UNK	\$20 ea

All equipment is in top shape. **Call or e-mail Al Avnet AB8AA, 330-207-3296 or Email ab8aa@arrl.net** If anyone owns one of these items below, please contact me, I have spare parts for them.

Yaesu FT-2200, FT-1000D, FT-1000-MP
Icom IC-756 PRO II
Alpha 89 and 9500 Amps



12 foot tri-folding ladder. Can be set up for many different positions. Rated at 300 lbs. Just a couple of years old. Too short for my usage now. This ladder sells for \$200.00 new at Lowe's and Home Depot. I'm asking \$85.00, or make and honest offer. It is in great shape. . For more information on the above items, contact:

Dennis Marko
Phone: 330-792-8468
or email: kd8sna@wrarc.net

You may already be familiar with this site, but if not, here is a great site www.solarham.com that tells you just about everything a ham needs to know about current solar activity other than the SPF you need for outdoor operations!

73, Jim, KC8PD

BLACKOUTS

With severe winter weather impacting many Americans, this week we're sharing 6 tips to prepare for blackouts. Read his story to learn tips that you can apply to planning your next preparedness event.

6 Tips to Prepare for Blackouts

Before you read the tips, we'd like to ask: How do you prepare for blackouts?

1. Follow energy conservation measures to keep the use of electricity as low as possible, which can help power companies avoid imposing rolling blackouts.
2. Fill plastic containers with water and place them in the refrigerator and freezer if there's room. Leave about an inch of space inside each one, because water expands as it freezes. Chilled or frozen water will help keep food cold during a temporary power outage, by displacing air that can warm up quickly with water or ice that keeps cold for several hours without additional refrigeration.
3. Be aware that most medication that requires refrigeration can be kept in a closed refrigerator for several hours without a problem. If unsure, check with your physician or pharmacist.
4. Keep your car tank at least half full because gas stations rely on electricity to power their pumps.
5. Know where the manual release lever of your electric garage door opener is located and how to operate it. Garage doors can be heavy, so know that you may need help to lift it.
6. Keep a key to your house with you if you regularly use the garage as the primary means of entering your home, in case the garage door will not open. How Do You Prepare for Blackouts?

How do you prepare for blackouts? Here are a few tips from Ready.gov:

1. Follow energy conservation measures to keep the use of electricity as low as possible, which can help power companies avoid imposing rolling blackouts.
2. Fill plastic containers with water and place them in the refrigerator and freezer if there's room. Leave about an inch of space inside each one, because water expands as it freezes. This chilled or frozen water will help keep food cold during a temporary power outage, by displacing air that can warm up quickly with water or ice that keeps cold for several hours without additional refrigeration.
3. Be aware that most medication that requires refrigeration can be kept in a closed refrigerator for several hours without a problem. If unsure, check with your physician or pharmacist.
4. Keep your car tank at least half full because gas stations rely on electricity to power their pumps.
5. Know where the manual release lever of your electric garage door opener is located and how to operate it. Garage doors can be heavy, so know that you may need help to lift it.
6. Keep a key to your house with you if you regularly use the garage as the primary means of entering your home, in case the garage door will not open.

Modified by Lauren Modeen - Community Manager (Contractor)

The Just In Time Disaster Training Library has a good Preparing for a Power Outage video. Access the Preparing for a Power Outage video. <<http://www.drc-group.com/project/jitt-preparedness-poweroutage.html>>

The library can be found at: www.JustInTimeDisasterTraining.org



OHIO SEC NOTES & STUFF - WEEK 8 - 2014

For public distribution. Please forward as appropriate.
 These notes will also be available on the ARES page at www.arrrl-ohio.org

Ohio HF Emergency Preparedness Net. Tues at 7PM on 3850 kHz (+/-)
 Ohio Digital Emergency Net (OHDEN) Tues at 8PM. 3585 kHz and 7072 kHz USB.

Ross T. Stillisano KB8JTZ Memorial Award Winner: David Rickon NF8O, of Medina, OH

Greetings and salutations from the Northeast corner of the Buckeye State where the temperature is 39 degrees and raining.

Many thanks to the Western Reserve Amateur Radio Club for having me at their recent club meeting. It was fun, had a great time, and I look forward to my next visit.

Many thanks to everyone who attended the ARES Forum at the Mansfield Hamfest. We had great attendance and there wouldn't be any forum without you.

There will be another ARES Forum at the Toledo Hamfest in Perrysburg on Sunday, March 16th. Check out www.tmrahamradio.org for hamfest details. This forum will be especially important as I'll be announcing details from the Ohio ARES Leadership meeting.

Just a reminder, the Ohio ARES leadership meeting will be held on Saturday, March 15th at the State of Ohio Emergency Operations Center. Meeting starts at 10AM and will conclude at 3PM. This meeting is for all those who hold ARES appointments including Assistant Emergency Coordinators and Official Emergency Stations. There's quite a bit on the agenda so please ensure your county and district is represented at this annual meeting.

DEC Eric Jessen N8AUC writes...

Ohio ARES Tenth District will be holding a Special Training Event on Saturday, March 1, 2014. This training is offered free of charge to all interested radio amateurs. The location will be the Lubrizol Conference Room at Tri-Point Medical Center. This link will get you to a map of the location, along with available driving directions. Click on the link, and scroll down to the bottom of the page. <http://www.lakehealth.org/lake-locations/tripoint-medical-center>. Doors will open at about 8:30AM for coffee and donuts, with the actual training beginning at 9:00AM. Lunch will be provided to all attendees, and you should be on your way home before 4:00PM. Since lunch will be provided, and the room only holds 68 people, advance registration is required. After all, we need to know how much food to have on hand. You can register for this event at <http://d10.mediaex.com/2014-d10-mar>. Just click on the link, and a form will pop up. Fill it in, and you're good to go. Contact me directly if you have any questions. Hope to see YOU there!!!

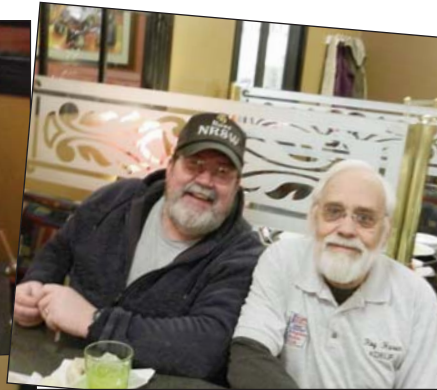
In final...

There are many public service events scheduled throughout the year. These events rely or depend on amateur radio for situational awareness among other things. These events need your help. Please get in touch with your Emergency Coordinator or District Emergency Coordinator to find out when they are. Mark the dates down on your calendar so you can plan accordingly.

That's all I have for this week. Thank you for everything you do for amateur radio.










73 de Matt W8DEC
 Ohio Section Emergency Coordinator
 ARRL - The national association for AMATEUR RADIO™
w8dec@arrrl.net
 440-585-7388



March 2014



					2/28 Comm Unit net 8:00 PM 145.270 WRARC Net 9:00PM 145.270	1
2	3	4 Happy Birthday KD8QQR 	5 Skywarn Net 8:30 P.M. 146.745	6 Special Test Session 	7 Comm Unit net 8:00 PM 145.270 WRARC Net 9:00PM 145.270	8
9 Daylight Saving Starts 2:00A.M. 	10 ARES Net 8:30 PM 146.745 PL 110.9	11 Ham Breakfast Eat'n Park Boardman 8:30 A.M. Board Meeting Eat'n Park Boardman 7:00 P.M.	12	13	14 Comm Unit net 8:00 PM 145.270 WRARC Net 9:00PM 145.270	15
16	17 	18 WRARC Meeting 7:00P.M.	19 Skywarn Training Fitch HS 6:00 P.M.	20 Spring Begins 	21 Comm Unit net 8:00 PM 145.270 WRARC Net 9:00PM 145.270	22 Comm Unit Meeting 9:00 AM
23 Happy Birthday KB8VRF  Happy Birthday KD8NFD 	24 ARES Net 8:30 PM 146.745 PL 110.9	25 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast	26	27  WaveBender Articles Due	28 Comm Unit net 8:00 PM 145.270 WRARC Net 9:00PM 145.270	29 Happy Birthday WB8LCD 