



The **RADIOGRAM**

When All Else Fails ~ Amateur Radio Works

~ Official Newsletter of the Portage County Amateur Radio Service, Inc. ~

PCARS - the 2018 Hamvention® Club of The Year

July 2023 - Volume 18 Number 7

The Wouff-Hong



PCARS K8BF
The Club that puts the FUN in Ham Radio!





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Portage County Amateur Radio Service



K8BF

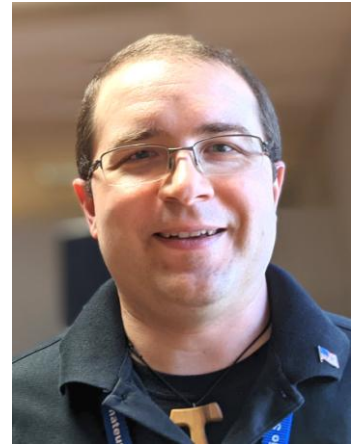
2018 Hamvention® Club of the Year



From the President



Nick, AC8QG
PCARS President



Field Day 2023

We just wrapped up another great Field Day, and it was a wonderful experience! The most important part was that everyone had **“Big Fun.”** We enjoyed the company of good people, the taste of good food, and the excitement of mostly good propagation.

In addition, I’m confident most people learned something new. I for one, learned a few more reasons to avoid complicated antenna designs. I also learned it’s possible to complete the teardown in less than an hour. Okay, we didn’t quite hit that mark, but we came close enough to know it’s possible.

Finally, we made an impressive number of contacts. We may not have broken any records, but our operators did a fantastic job. I’m confident that when we see the final results, we’ll be proud of our performance this year. I want to thank all of our station captains, our operators, our setup and teardown crews, and everyone who contributed to this year’s Field Day success!

Upcoming Events

July will be a quiet month for PCARS compared to the recent hustle and bustle, but that doesn’t mean we’ll be bored. We have quite a lot happening!

The month starts off relaxed with the Independence Day holiday, but don’t forget about the 13 Colonies Special Event that starts July 1 (<http://www.13colonies.us/>). That’s a great excuse to get on the air over the holiday weekend!

Also, I hope to see everyone at our Special Interest Groups on Tuesdays, and our regular meeting on Monday, July 10th. As usual, we’ll have in-person and Zoom options, so no excuses! Mow your grass early and come join us!

And, of course, we have our Flex Net on July 19th, as well as our weekly Thursday Night Net. Thursday, July 27th is our monthly Net Night at the Club Site, so come on down and get to know your fellow club members!

It’s going to be another “Big Fun” month, so watch for QST emails, check the website (www.portcars.org), and join our weekly net for updates.

PCARS needs your leadership!

As our club grows and evolves, we need new members to step up and take on leadership roles. Whether you're interested in serving as an officer, trustee, or committee member, your contributions are essential to our club's success.

I know that not everyone is comfortable in a leadership role, but I encourage you to consider it anyway. Your fresh perspectives and ideas can help us keep our club vibrant and relevant. If you're interested in learning more about leadership opportunities at PCARS, please contact me or Jim AC8NT. We'd be happy to answer any questions you have and help you get involved. Together, we can make PCARS even better!

Happy Fourth of July!

As we celebrate our Independence Day, I encourage you to take a moment to reflect on the gifts that we’ve been given. We’re a nation of freedom, and we should never take that for granted. We have the freedom to worship as we please, to speak our minds, and to assemble peacefully. We also have the freedom to pursue our dreams, to raise our families, and to live our lives in peace.

Let’s also remember the sacrifices that have been made to secure our freedom. The men and women who fought for

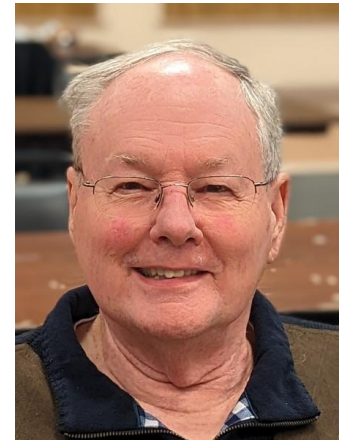
our country gave us a chance to live in this land of opportunity.

This Fourth of July, let's come together as a nation and celebrate our freedom. Let's be thankful for the gifts that we've been given, and let's strive toward the ideals of liberty and justice for all. May God bless America!

From the Vice President



Jim, AC8NT
PCARS Vice President



Field Day

Had a lot of fun at Field Day. The weather cooperated and we had plenty of help for setup and tear down. Lots of fun using the new Field Day mode in WSJTX and we did get more contacts at Flex than last year. It is always great to get together at the park for some fun and fellowship. I am sure you will read a lot more about Field Day in the rest of the newsletter.

ARRL Grant Work

We purchased a Chameleon Antenna with grant money. This was to allow us to set up quickly at remote locations for demonstrations. The model we purchased was the MPAS Lite vertical kit. JC, KC8JC has been using this antenna for some time for his POTA activations and loves it. It works well from 40 to 10 meters and is very portable. We also purchased the extension mast to improve lower band performance. The kit comes with the whip, ground mounting spike, UNUN, wire for a end fed type antenna and a length of coax. The coax has a string of toroid rings installed to act as a choke balun. This does limit the coax's use as a counterpoise. Chameleon recommends you by their kit for this purpose. After seeing the price for this bunch of wire, I build a kit with \$20 worth of wire.

I set up the antenna and attached it to my battery-operated tuner with my IC-705 and had contacts from Nevada to Europe in a single afternoon. With the duffel bag I purchased for the antenna it is an effective and very portable solution. Setup takes less than 10 minutes.

Build Events

I am planning a build/learning event for July that will show you how to hook up and load programs into Arduino boards. This will not be a 'learn too' program session. It is designed to provide hams with the training to load programs that are part of developed projects. More and more projects in QST and on the WEB are using Arduinos. A lot of these projects provide developed code. It is often assumed the builder can load the code. We will be using a fox hunt transmitter controller as our example. We will show how to make minor changes to the code (change a callsign etc.), load the code and test the project. We will also show how to setup your home computer to support this work. Please let me know if you are interested in attending. This will not be available via Zoom. This is a very hands-on learning event.

July Monthly Meeting

Bill Salyers, AJ8B will be our featured speaker at the July meeting. He will be talking about how we can get DXCC "One Byte at a Time". His hints might help most of us on our way to DXCC. His talk will be via Zoom.

Parting Words

Have fun with our incredible hobby. That means getting on the air and making some contacts. If you know of anyone that might be interested in learning more about ham radio, help them to learn more. We need ambassadors and Elmers to grow our hobby.



Schedule of Events



- July 3rd - PCARS Board Meeting at the club site & Zoom - 7 pm
- July 10th - PCARS Meeting - Kent American Legion & Zoom - 7 pm
- July 19th - PCARS Flex Net - 8 pm
- August 7th - PCARS Board Meeting at the club site & Zoom - 7 pm
- August 10th - 14th Annual Cruise-In at the Ravenna A&W - 6-8pm
- August 14th - PCARS Meeting at the Kent American Legion - 7 pm
- August 26th - Ohio QSO Party & BBQSO Picnic/Open House at the club site in Ravenna



Special Interest Groups at the Club Site

- First Tuesday - **Digital Special Interest Group** - Moderator: Rick, K8CAV
- Second Tuesday - **Portable Ops Special Interest Group** - Moderator: John, WG8X
- Third Tuesday - **Antenna Special Interest Group** - Moderator: Bob, N8QE
- Fourth Tuesday - **DX & Contest Special Interest Group** - Moderator: Chuck, W8PT
- Fifth Tuesday - **Could Be Anything Special Interest Group** - Moderator: Rick, KD8WCK

Fourth Thursday - Net Night at the Club Site - 6:30 pm - Moderator: Tom, WB8LCD



**The Wouff-Hong PCARS was presented
is now on display at the club site**





Baltimore Amateur Radio Club Inc.
P. O. Box 120 • Reisterstown, MD 21136

July 28, 2022

The Legend of the BARC Wouff-Hong

History of the Wouff-Hong

Origin - The Old Man" (T.O.M.), originator of the Wouff-Hong and the Rettysnitch, is known to be the one and only Hiram Percy Maxim, W1AW, founder of the American Radio Relay League (ARRL) in 1914. "T.O.M." (pen name of W1AW) wrote his first mention of a Wouff-Hong and a Rettysnitch in 1917. In 1919, the league received an actual Wouff-Hong specimen directly from "T.O.M." The first photo of the Wouff-Hong was published in July 1919 *QST*. The Loyal Order of the Wouff-Hong is real. There is a secret ceremony one has to attend to become a member.

Baltimore Amateur Radio Club (BARC) W3FT

Origin - We have some records that mention a radio club in Baltimore known as the Mike & Key Club for the late 1930's. When the bombing of Pearl harbor on June 7, 1941 all amateur radio communications ceased and we do not have any records of the club. The next piece of history comes after WWII. In the January 1946 issue of *QST* in the section manager's report from MDC it makes note that a group calling themselves the "Baltimore Amateur Radio Society holding a banquet at the Park-Plaza Hotel on November 9th 1945.

During the spring of 1946 a number of local hams indicated interest in reactivating the pre-war club. Informal meetings followed. Of interest was two names Sam Grossman, W3FT and Ernie Dobos, W3JCL. On July 1, 1946 a group of hams formed a group with the purpose writing a constitution. Hence, we consider July 1, 1946 as the official birthday of our club. In September of that year the club became an official corporation in the state of Maryland. Known as the Baltimore Amateur Radio Society. It was later that the club changed it's name to the Baltimore Amateur Radio Club. In the early 1970's the club files and became a 501(c)3 organization in the state of Maryland.

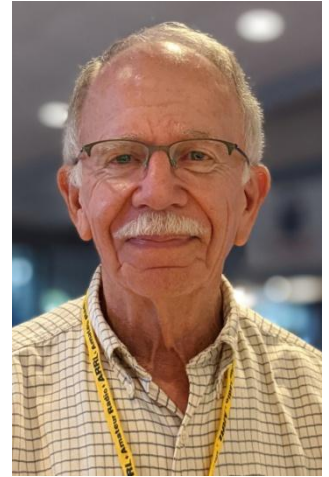
BARC's Wouff-Hong

The reason I mention all of the above is so you can understand a little of the history of the club and some of its players. I need to add some additional detail to one such member at this time. Ernie Dobos, W3JCL. Ernie was one of the club's founding fathers and signer of not only the club's original constitution but also the club's corporation papers. Ernie was a very unique individual to say the least. He owned his own business the "Amateur Radio Center" on 36th street in the neighborhood known as Hampden in Baltimore City, MD. Hampden is known for the famous Baltimore saying of Hun. It is to this day still has Hunfest. This is also the neighborhood in the city that the movie "Hairspray" was about. We know that the "Amateur Radio Center" was around in the 1950's from ads placed in the club's newsletter "The Modulator".

From the Great Lakes Division Director



Dale, WA8EFK
ARRL Great Lakes Division Director



**Greetings, welcome to "Dale's Tales" for
July 2023**

The ARRL Great Lakes Division VOTA Day.

As reported in the June edition of Dale's Tales, the ARRL officials of the Great Lakes Division are teaming up to hand out points for the ARRL Volunteers on the Air operating event. We started on July 1 at 0000 GMT and will finish 24 hours later. Operations include CW, phone and digital, focused on the 80, 40 and 20 meter bands. No skeds, it is all random, no one will have any idea of the bands or time any given person will be on.

Your Director, Vice Director and our three Section Managers are all locked in to hand out points. All of our ARRL volunteers serving in any capacity are most welcome to participate to give out points, and of course collect a few points as well.

Keep in mind it is scheduled in GMT so it has possibly started by the time this goes to press. 8:00 PM EDT or 7:00 CDT Friday evening.

I trust that everyone had a safe and enjoyable Field Day. This is traditionally the largest operating event in the US and Canada, and the premier opportunity to demonstrate amateur radio to the public and our public officials. It is the perfect opportunity to improve our operating skills, I for one, always find that after FD, I can more easily copy stations in the noise and through QRM despite these ancient ears of mine.

At my home FD station we welcomed our State Representative and his wife as visitors. Our local crew even managed to get his wife on the air at our GOTA station where she contacted a station in Puerto Rico. She was impressed, and we were likewise. She is a very good operator, now the next obvious step is to get her licensed!

I am sure there are stories like this all across the country, and it shows that amateur radio is a strong and valuable resource in times when regular communications are stretched to their limits. Our thanks to each and every one of you FD ops for your active participation.

Our ARRL Board of directors meets in July. We do face some challenges as you well know, not the least of which is the examination of our current dues level. Our survey of the membership is now complete and we have been reviewing that data. Dues have not changed over the past few years and the Board and HQ staff have done much to reduce operating expenses. Many in-person meetings have been eliminated and thanks to various means of video conferencing we have been able to continue these important tasks. Non-critical hiring has been frozen and other austerity programs are in effect where we do not affect member services. With a nominal inflation rate around 3% per year, it is still not possible to hold things at the present level.

We will look at many options offered by members through the survey as well as those used by similar organizations. Like any increase, not everyone will find it palatable. But the Board has the legal, fiduciary responsibility to insure the longevity of the organization and under its charter, continued service to our members.

Please keep your thought with us as we carefully consider these many options.



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From the Great Lakes Division Vice Director



Scott, N8SY
ARRL Great Lakes Division Vice Director



Greetings, July 2023

I'm assuming that all of you are reading this on July 1st. If that is the case you need to stop reading this and "Get On The Air With The Great Lakes Division Cabinet" Yes, all of the Great Lakes Division Cabinet is on the air today so that you can take advantage of being able to earn some extra points in the year-long Volunteers On The Air event. Look for all of us somewhere on the HF Bands for sure. Oh, and we are not leaving out the Technician Class folks either. You too will be able to collect those points as well since some of us will also be in the Technician Class band on 10 meters.

Shifting Gears... Field Day has now come and gone. I know some of you are curious as to just how many Field Day sites I got to. Well, like so many years before, I didn't get to as many as I wanted to. I always think that I can get to more sites than is physically possible to do. The distance between sites, traffic and just plain taking the time to visit with everyone wherever I go tends to make getting to more sites very difficult to do. However, I did get to 14 sites this year. I didn't keep track of just how many miles I drove, but it was quite a few and well worth it to get to see and talk with all the fantastic hams throughout the Great Lakes Division!

This year was a year of a couple of firsts for me. I was escorted around one Field Day site in a "Gator." This was my first ride in one of those really cool vehicles. Wow, this was a blast for sure and it also saved a lot of walking between radio operations. Another first for me was that I got to sit and wait for a parade that not only passed right in front of me, but they also turned right in front of my car making a left turn and going down past me, making me a part of the parade. At least that's the way it felt to me. I also got to fly a drone for a few short minutes around a Field Day site. This is something that I had been wanting to do for a very long time. Everywhere I went I was greeted with smiles, handshakes / hugs, and an open invitation to as much food as anyone could ever want. The Great Lakes Division folks are the "Greatest" for sure!!!

Yes, I took pictures, lots of them! But I want to get your pictures too. If you stopped by the Great Lakes booth at Hamvention this year you saw the gallery of pictures on the screen. Many of these pictures came from your Section Managers as well as what I had taken over the years. I want to keep growing this gallery with as many pictures as I can get and Field Day is a great starting point. I hope you had people taking pictures of your Field Day event this year. Oh, and it doesn't have to be just Field Day either, hams participate in a whole bunch of other activities throughout the year that would be great to have in the picture gallery as well. Now, send them to me at: n8sy@n8sy.com

Shifting Gears once again... In a couple of weeks Dale and I will be heading up to Newington for the summer board meeting. These are 3 days of very intense meetings, but a lot of great things come from them. I know that many of you have concerns so please don't hesitate to let Dale and I know what's on your mind.

Shifting gears to come into the pits... Whelp, that's going to do it from here this month. Stay safe and "Catch Me On The Air", at a hamfest or your next club meeting. Have a really great 4th of July and please stay safe!

Hey, don't forget to participate in your local club's activities!!!! It's important to be a part of your club and ham radio, and not just a reporter.



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From the ARRL Ohio Section Manager



Tom, WB8LCD
ARRL Ohio Section Manger



Notes from the ARRL Ohio Section Manager

Field Day is behind us now. We wait until October to see how we did. But that doesn't mean we just hang around doing nothing. Nope, we've got plenty of Ham Radio Fun to pull us through the second half of the year! Check out all the articles in this issue of the Ohio Section Journal and I'm sure you'll get some good ideas of activities, projects, meetings and hamfests to keep you going.

Let me know how your field day went – send me a short article with some photos – let's give everyone a chance to see what the “competition” here in the Ohio Section is doing. While I miss being involved with the whole operation of PCARS Field Day (my home club) it's really fascinating to visit other clubs to see how they “do” Field Day. One thing I can say for all the visits I've made over the past couple of years, everyone is very friendly and welcoming. Thank you – you're a great group of Hams!

Coming up on August 5th is the Columbus Hamfest, where traditionally the Ohio Section Newsletter contest winners are announced. Good luck to you and *your* clubs newsletter. Your newsletter editors put a lot of work into it – help them out when you get a chance, send them an article and / or some photos. I know they'll appreciate it.

Just up from the “Final...Final” is a little article about how to get a copy of your license. I want to suggest that sometime this week, you go there, download the instructions to get an “Official” copy of your license – and then do it! Many of you noticed that last week we had a little “Blip” at the FCC's Universal Licensing System and a lot of things had to wait. I hope none of you needed to get that so you could renew your Amateur Radio license plates! Depending on the timing, that actually could have caused you to *lose* that plate! I'm pretty sure you would not have been too happy about that. Get it done. Keep a copy in your car and keep a copy (or two) with your other important documents. Don't be the one to test the system.

Keep your eyes on PostScript – I'll soon be announcing a fall “Clubs” forum on zoom. This will be open to EVERYONE who is interested in being a part of making your club an *outstanding* club. Doesn't matter if your part is “Club Officer” or the newest “Club Member” – everyone has a role, and a responsibility in making your club a Great Club.

AS of right now, I've got a pretty busy schedule ahead of me for work, ham radio, and even a little bit of a vacation. My upcoming Hamfest plans are to attend the Mansfield Trunkfest on July 8, NOARSFEST on July 15, Columbus Hamfest on August 5, Cincinnati Hamfest on August 8. WARA Tailgate Swap on August 20, Findlay Hamfest on September 10, Cleveland Hamfest on September 24, and the Massillon Hamfest on October 29. While I'm unable to attend the Van Wert Hamfest on July 16 and the Ashtabula County Hamfest on July 22, I want to encourage you all to get out to as many of them as you can make – and stop by and say “Hello”!



PCARS IO Group

Members are reminded that PCARS has a IO Group site dedicated to PCARS. It's a great site to sign up for and get on the mailing list for important PCARS information.

Check out the PCARS IO Group at:
<https://groups.io/g/PCARS>

Two things every member should do.

1. Check the PCARS web site every day, maybe a couple of times a day, to see new info that's posted.
2. Join the PCARS IO Group. That's a great place to post message when you are looking for information or have a question about something. Try it - you just may like it!!



PCARS Custom Coffee Cups - Limited Edition - Almost Gone

PCARS has obtained a limited number of special, custom made coffee cups that are available only to members.



Supply is limited. If you are a current (PAID) member of PCARS you get one coffee cup for **FREE** !! The only catch is you have to claim it from the **Treasurer - Greg, KA8TOA**. Greg has a list of current members and will check off your name when you get your **FREE** PCARS coffee cup.



There are a *very* limited number of extra coffee cups for sale at \$5.00 each.

Contact Greg for all of the details: Treasurer@portcars.org

Happy Birthday PCARS Members

PCARS members having their birthday in **July**:

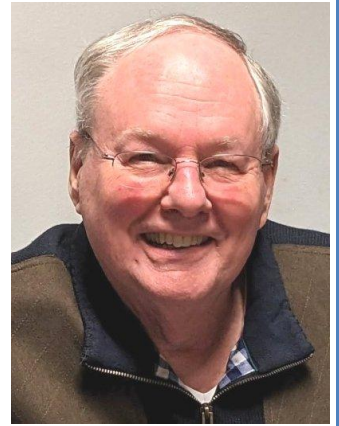
KE8MXR John
AC8QG Nick
KE8TFJ Eric
N8HUC Karen
KD8LDG Don
W2THU Robert

W8PT Chuck
WB9LBI Bill
G0BPS Dick
N8QZ Paul
W3JL Cory



Tech Tips - Fox Hunting Antenna Tips

Jim, AC8NT



This month's topic: Fox Hunting Antenna Tips

Fox hunting is a great way to introduce radio to young potential hams. To have a great fox hunt requires only a few components. We will focus on two-meter FM fox hunts.

The Radio

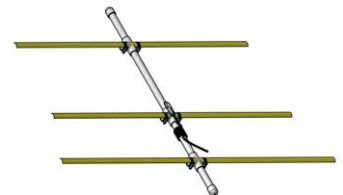
An inexpensive 2-meter handheld. One of the most used is the Baofeng UV-5R handheld radio. This radio can be purchased for about \$25 and that includes the charger. More expensive radios can be used, but from experience, fox hunting radios are often damaged and the loss of \$25 is more tolerable than the loss of my TH-D74 which costs hundreds. There are a few things that should be done to prepare the radio for operation:

- Attach a lanyard to the radio instead of the wrist strap. This makes the radio easier to carry and frees both hands for pointing the antenna and controlling the attenuator which we will talk about later.
- Using CHIRP software disable VHF and UHF transmit, especially if unlicensed users will be in the hunt. This can easily be done in the "Radio Settings" tab of CHIRP. Also use this software to program the frequency or frequencies of the hunt. If you are using an attenuator (strongly recommended), you will also need to program the fox frequency plus 4 MHz in a memory typically up one memory location of the fox frequency. Make sure you purchase the correct programming cable for the UV-5R. Most problems with programming software are the result of using the incorrect cable.
- DO NOT LOCK THE KEYBOARD. If you do, hunters will not be able to change frequencies using the memory knob.
- Make sure batteries are charged and the radio is tested prior to the hunt. You don't want the radio to die before the hunt is completed. (**BIG BUMMER!!**)
- Have a laptop with CHIRP installed at the site of the hunt. Make sure it is fully charged and the program for the hunt is ready to be used. It will save you a lot of grief if someone plays too much with the radio.
- Also, a very good idea is to have a spare radio.
- If you would like to see an entertaining video on disabling transmit on the Baofeng, try this one: <https://www.youtube.com/watch?v=YLWZO5YI7o>



Directional Antenna

The most used antenna for fox hunts is the "Tape Measure Yagi". There are many videos and articles online giving instructions on how to build these. The build costs about \$25 and it is an outstanding club build day project. It can also be used for those that can't reach a repeater with the rubber duck antenna to make contact. We have made these at club builds and have a couple of kits at the club with instructions for you to assemble. If enough are interested, we can always have another build day. It was one of our most popular events.



Attenuator

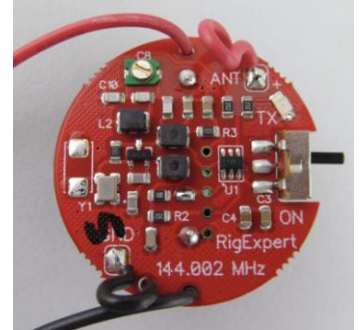
Adding an attenuator to your antenna system will greatly improve your ability to find a fox. As you get close to the fox the side lobe attenuation of the antenna gets less and less effective. Directionality of the antenna get so poor; the antenna is virtually omni-directional. One of the best options is an active attenuator that is made from an RF mixer circuit. KC9ON "3rd Planet Solar" makes an attenuator that mixes a 4 MHz signal with the antenna signal. This produces two outputs, 4MHz above and below the fox's frequency. It has a knob that



controls the level of the 4 MHz signal resulting in the ability to control the output of the mixer. When the directionality of the antenna gets poor you simply turn the attenuator control knob, and the mixer product is reduced. To use this, you must tune the radio to a frequency that is 4MHz either side of the fox's frequency. This type of attenuator can allow you to be almost on top of the fox with good directionality.

A Fox to Hunt

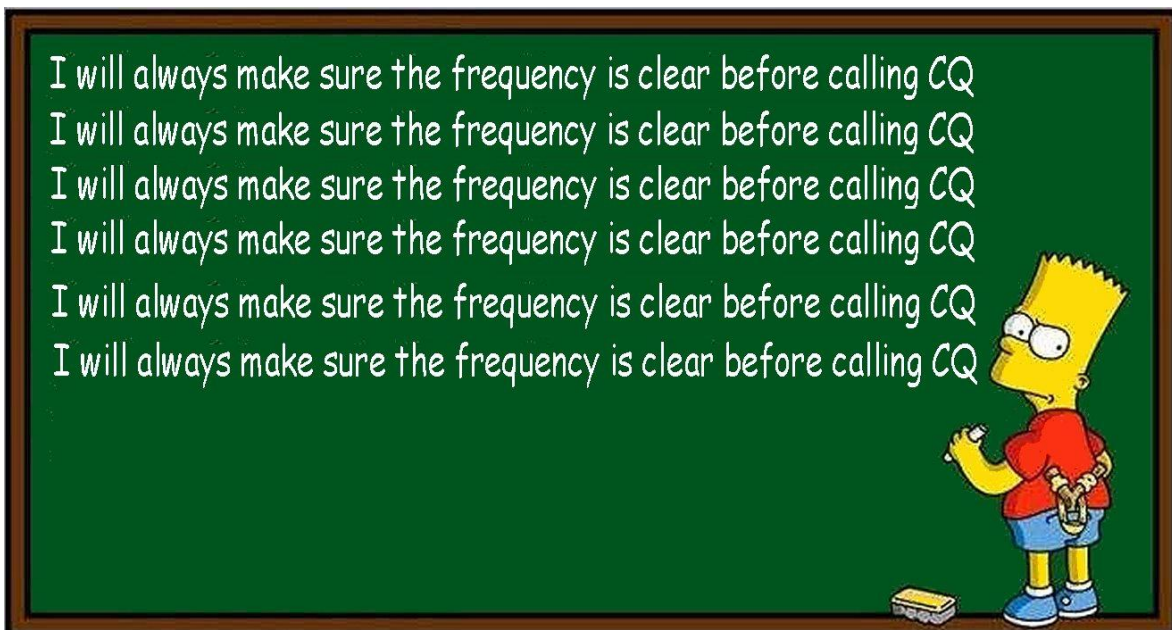
Without a fox there is no fox hunt. Foxes are simply 2-meter transmitters that transmit an identification signal (usually in CW). My early foxes consisted of a handheld with an attached controller sending out the fox signal. These were placed in a waterproof container and hid. In the May 2011 QST, Mark Spencer, WA8SME published an article "A Transmitter for Fox Hunting". This project was incorporated into the Teacher Institute. It used a PIC controller and an SRB-MX146 transmitter module to make a simple fox. Unfortunately, the SRB-MX146 is no longer being manufactured for sale in the US. So, this is no longer available. Pre-Pandemic, RigExpert manufactured the Red Fox 144. This module the size of a quarter and powered by a button cell transmitted one of 4 Morse code letters as identification. It was a great solution. Unfortunately, these appear to no longer to be available. I am returning to a controller-Baofeng solution using an Arduino that can allow almost anyone to change the identification call sign and the transmitted fox identifier. In an article I will publish in the newsletter next month, I will cover the design of this cost-effective solution.



A Plan

To have a fun and educational fox hunt, you will need a plan. The plan includes at least the following items:

- Training hunters in the use of the radio, antenna, and attenuator. This must be simple and quick. Not a lot of theory, but enough to allow the hunters to succeed.
- Careful location of the fox or foxes. Make sure no one is going to get hurt finding the fox. No wading across rivers, mountain climbing or playing in traffic.
- Making sure the equipment is ready to use. Batteries charged, radios programmed, foxes setup and hidden before the event starts.



On The Road with WG8X



John, WG8X



Somewhere in the Middle of Nowhere

EDITOR'S NOTE: As I am working on this newsletter a Text message came in from John. He is somewhere out in the middle of nowhere and has limited cell service. He said Next month's story will be a good one. I replied and told him to have fun and most of all - be safe.

So - stay tuned for his next adventure story!!



Annual 13 Colonies Special Event

The 13 Colonies Special Event is a not-for-profit event. All donations are used to fund the next year's event, and to defray any expenses occurred. All donations are used for operating costs, supplies, equipment, and 13 Colony Group initiatives. Donation is voluntary. If you have difficulty with a donation, tell us on your log sheet, and we will send you the certificate earned-No Questions Asked!

All HF bands will be in play, including the WARC bands, *except for 60 meters*. Simplex on 2 meters and 6 meters is encouraged.

The SE stations are on the east coast and, are very close to each other. It will be harder for these states to contact each other so, use of 40m-160m is encouraged.

All modes of operation may be represented - SSB, CW, RTTY, Digital, Etc. - The mode of operation is up to the individual colony state station. Please refer to the State information pages for details.

<http://www.13colonies.us/>



The Annual 13 Colonies Special Event

GB13COL TM13COL WM3PEN
 NY - K2A
 VA - K2B DE - K2E MA - K2H NH - K2K
 RI - K2C MD - K2F NJ - K2J SC - K2L
 CT - K2D GA - K2G NC - K2J PA - K2M

Dedicated to W1TEF - Tom Francis (SK) K2L/SC State Manager - RIP



15th Annual 13 Colonies Special Event



JULY 1ST - 7TH 2023



SIGNERS OF THE DECLARATION OF INDEPENDENCE

★ K2A/NY <i>Wm. Floyd</i>		★ John Adams K2H/MA
★ K2E/VA <i>Thos. Jefferson</i>		★ John Hart K2I/NJ
★ K2C/RI <i>Wm. Ellery</i>		★ John Penn K2J/NC
★ K2D/CT <i>Wm. Williams</i>		★ Wm. Whipple K2K/NH
★ K2E/DE <i>Cassius Madsen</i>		★ Thos. Lynch K2L/SC
★ K2F/MD <i>Wm. Paca</i>		★ Ben. Franklin K2M/PA
★ K2G/GA <i>Geo. Walton</i>		★ H. B. King George's Blvd
★ K2H/VA <i>Wm. Byrd</i>		★ Marquis De Lafayette

THIS CERTIFICATE CERTIFIES THAT AIBS: **KU2US** HAS PARTICIPATED IN THIS ON - AIR AMATEUR RADIO EVENT HONORING THE ORIGINAL THIRTEEN COLONY STATES, OUR INDEPENDENCE, & OUR ACTIVE MILITARY VETERANS.

13 CONTACTS



2023 Event Dates / July 1 (9AM Eastern) to July 7 (Midnight Eastern)
 (July 1, 2023-1900 UTC to July 8, 2023-0400 UTC)
 YOU DO NOT NEED ALL 13 COLONIES TO GET THE CERTIFICATE
 YOU DO NOT NEED TO GET THE 2 BONUS STATIONS FOR A CLEAN SWEEP



Youth DX Adventure 23 - at K3LR



Jim, AB8YK
Hamvention General Chairman



The Dave Kalter Memorial Youth DX Adventure is proud to announce a 2023 Special Event as W3Y on July 29, 2023. The K3LR Contest Group is hosting us at their station for this event.

This is the first time that this event will be hosted in the USA. As K3LR is one of the largest stations in the world we are confident that this adventure will be truly special for the David Kalter kids and their parents. The trip is being sponsored by the Dayton Amateur Radio Association.

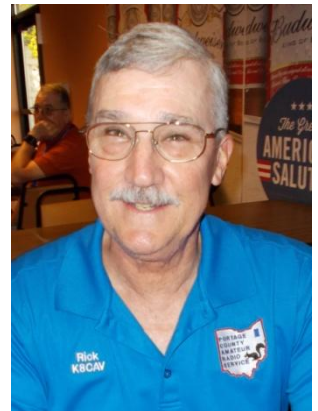
Look for us on July 29 as we look forward to a great number of QSO's from around the world. The team is currently being formed and more information will be available soon. We are anticipating a team of 4-5 youth operators.

Please contact Jim Storms, AB8YK at ab8yk@hotmail.com with any questions.

Headwaters Adventure Race - Help Needed



Rick, K8CAV
Comms Chairman



I REALLY need at least three more volunteers to assist with the Portage County Park District's annual Headwaters Adventure Race. This event takes place on Saturday morning **July 8th** in the Mantua and Hiram Township areas.



This is a three event race starting with a two-mile run which then transitions to a ten-mile bicycle ride and culminates with a five-mile canoe ride on the Cuyahoga River. The Coms Unit and amateur radio communicators provide communications for the bicycle and canoe portion of the race. Support starts at 7:00 AM and is finished around noon.



Volunteers will staff key points on the course and report information as requested, and request emergency services if needed. If you can volunteer please send me an email to K8CAV.coms@gmail.com as soon as possible. Thanks!

Volunteers will staff key points on the course and



Hamvention® 2023 - Draws Large Crowds



Michael, W8CI
Hamvention® Spokesperson

2023 - Largest attendance since 1994

Hamvention® attendance for 2023 is reported as **33,861** for the three-day event. It was encouraging to see all of the attendees at Hamvention® 2023. The Hamvention® committee people are already working on Hamvention® 2024. We all hope to see you then.

More Photos from N8AMY - Hamvention® 2023



Field Day 2023



Tony, WA8AR
Field Day Chairman



Field Day 2023 went very well in general. We did have some problems on Saturday with propagation due to geomagnetic storms and several solar flares. However, those conditions affected everyone, and our operators fought through and made a very good number of contacts.

While we know what we accomplished, we will not know our final standing until it is published in QST in December. Regardless Field Day was a success for PCARS.

I would like to thank everyone who attend Field day. A special thanks goes out to the Station Captains; Volunteer Operators; all of the FD Staff who worked throughout the year planning and executing a long list of tasks, and the Volunteers who helped with antenna Setup/Teardown. The success of Field Day 2023 would not have been possible without each and every one of you.

Field Day 2023 - Flex Station



Rick, K8CAV
Flex Station Captain



2023 PCARS Flex Station

I will have a detailed report of Flex Station operations at PCARS Field Day in next month's issue of "The Radiogram", but I want to take a moment to thank everyone who contributed at the Flex Station. This year turned out to be a challenge for me because of a serious family issue, and I sincerely appreciate the way everyone stepped up to make sure we had a successful Flex Station operation.

Field Day 2023 - How Did We Do?



Tom, KB8UUZ
Media & Entry Chairman



So far everything is looking pretty good. I am still gathering information for the complete report to be submitted to the ARRL. I will have all of that information and more, in the August issue of **The RADIOGRAM**. So - please stand by !





New General Class Exams

New General Class Element 3 Exams Will Take Effect for Exam Sessions Beginning Saturday, July 1, 2023

The ARRL VE teams who are officially Field Stocked by the ARRL VEC: new General-class exam design booklets were shipped out via first-class mail on Thursday, June 22. The packages should already have been delivered to field-stocked team leaders.

FCC EBF System Restored

On Friday afternoon, June 23, the FCC's Electronic Batch Filing (EBF) system was restored. All VEC organizations use that system for filing exam sessions, individual applications, and club license applications.

ARRL VEC staff worked late into Friday night to ensure all backlogged sessions and application files were transmitted to the FCC before the weekend. Approximately 350 backlogged files were successfully submitted to and processed by the FCC before the system's normal shutdown at 8 PM. See the ARRL News story at <http://www.arrl.org/news/update-fcc-uls-system-restored>.

There have been a few lingering issues with the FCC Universal Licensing System (ULS) and EBF System.

A few exam sessions and applications did not process in the EBF system, and they had to be refiled. Hopefully, all files have now been accepted and processed by the FCC.

Some applicants are reporting that they are not receiving the FCC payment email. As a reminder, applicants do not have to wait for the FCC email to pay the fee. As soon as the application is in the FCC system, the applicant can log into the FCC's CORES system (<https://apps.fcc.gov/cores/userLogin.do>) and pay the fee. CORES payment system information can be found at <https://www.fcc.gov/licensing-databases/fees/cores-payment-system>. Additional information and instructions are located on the ARRL VEC's FCC Application Fee web page at <http://www.arrl.org/fcc-application-fee>.

Other applicants are reporting that they are not receiving the automated email with the link to their new, upgraded, renewed, or modified license. The FCC instructions for obtaining the official authorization (official license) is located at <https://www.fcc.gov/wireless/support/knowledge-base/universal-licensing-system-uls-resources/how-obtain-official>.

PCARS

**ARRL Volunteer Examiners:
serving the Amateur Radio
community**

**First Saturdays 10:00 am
at the club site in Ravenna
February, April, June, August,
October, December**

**AMATEUR RADIO
ARRL
VEC
VOLUNTEER EXAMINER**

FOR SALE: Yaesu FT-2000 Transceiver with FH-2 Remote Control Keypad. Will come with original box, manual, & power cord, \$1000.00. MFJ-976 1.5 KW Antenna Tuner, \$150. Ten Tec Century 21 Transceiver with Crystal Calibrator, \$250. Yaesu SP-767P Phone Patch/Speaker, \$50. MFJ-931 Artificial Ground, \$100. MFJ-4906S Duplexer 1.6 - 30 MHz & 50 - 54 MHz, \$50 Trying to clean up my shack.

Contact: Bob, N8QE at rhajdak@aol.com [09/23]

FOR SALE: WEST MOUNTAIN RADIO PWRCrimp Crimp tool for 15, 30 and 45 amp Powerpole connectors. Like new, in factory box, with instructions. \$20.00 YAESU FT1000MP transceiver Good Condition, has optional roofing filter and optional SSB and CW filters, operating manual \$550.00 Items can be picked up in Alliance -OR- I can deliver at a PCARS meeting

Contact: George K3GP at 330-495-9123 or email: rtyfan@gmail.com [06/23]

FOR SALE: Ham Radio items from the Estate of N8IL – Neil Gerren 1. BK Precision 880 LCR Meter Looks close to brand new, includes TL8KC1 probe and TL8SM Probe (probes are new in sealed packages) Asking \$300. 2. Jennings UCSX-1000-15S Asking \$250 3. Powered 7-port USB hub Asking \$10 4. Weinschel 8200 Controller Asking \$100 5. Elenco 10hz-2.8Ghz freq counter and an Autek Research RF-1 Analyzer Not sure if working - \$2 for both! 6. HEIL Clamp mount w/extra cheapie mount \$5 for both 7. SDR Kits FA-VA5 600 Mhz Vector Antenna analyzer Asking \$65 8. “Not quite so Mini” Hot Spot Asking \$25 9. PS 30SW ii 30 amp Power supply Asking \$45 10. Small box that says “USB Radio” \$10 11. NEW-Coaxial Adapter kit (deluxe) in padded case Asking \$85 12. Diamond 2 position Coax switch – Asking \$25 13. Daiwa CS-201 2 position coax switch with “N” connectors – Asking \$25 14. Heil CC-1-XLR-YB Cable. XLR3 to Yeasu 8-pin round with PTT Asking \$20 15. Ten Tec Keyer Asking \$10 16. 2000Mhz, 90 db (1 db steps) attenuator – N connectors - Asking \$175 17. StepIR SDA 100 antenna controller ??? 18. Nano VNA \$20 19. Icom V82 handi-talkie Asking \$40 20. Icom ICT81A untested \$20 21. Yaesu FT-41R \$20 22. Yaesu VX5R Asking \$45 23. Yaesu FT-811 and FT-911 Both for \$25 24. HEIL Footswitch \$10 Much other Miscellaneous Stuff – HT’s, cables, connectors - You’ll need to stop by and take a look!All sales final, pick-up in Kent, OH at Casa de WB8LCD.

Contact: Tom Sly WB8LCD AT 330-554-4650 or EMAIL: tomsly29@gmail.com [09/23]

For Sale or Want Ad policy reminder: This is a PCARS members only benefit. Please don’t ask to list items for a friend, relative or SK estate unless they are/were a member of PCARS. Requests come in from all over the USA (and beyond) to list items for sale or wanted items and we just cannot dedicate that much space to non-members. Listings are good for 3 months unless canceled or changed earlier.

The date listed after the contact information tells you when the ad expires - example: [09/23] indicates the ad will run until the end of August 2023.

Flex Net

Rick, K8CAV Flex Net Coordinator



Next FLEX Net will be Wednesday July 19th at 8:00 PM

The monthly PCARS Flex Net is CHANGED this month, it will be held on the third Wednesday, July 19th at 8:00 PM.

The band will be 70 cm on 446.150 MHz, FM Phone. This is a good net to test your station and antenna’s capabilities on 70 cm. You can also contact other PCARS members and exchange reports for the PCARS A-Z Award. See https://www.portcars.org/wp/club-info/club-activities/pcars-a-z-award/ for more information.



Hamfest Calendar



Here are the current listings of local hamfests. Please note that all are **subject to change**. Stay current by checking the sponsoring club's web page before making your travel arrangements.

=====
07/08/2023 - Mansfield Trunkfest 2023 - Location: Richland Co. Fairgrounds - 740 N. Home Road - Mansfield, OH 44901 - Website: <http://iarc.club> - Sponsor: Intercity Amateur Radio Club - Public Contact: Danny Bailey , W8DLB - 104 East Thrush Ave. Apt. H Crestline, OH 44827 - Phone: 567-899-3881 - Email: w8dlb60@gmail.com

07/15/2023 - NOARSFEST - Location: Lorain County Community College - 1005 N. Abbe Road - Elyria, OH 44035 Public Contact: Carl , W8KRF - 3821 West 152nd Street Cleveland , OH 44111 - Phone: 216-256-9624 - Email: noarsfest@noars.net

07/20/2023 - Ashtabula County Hamfest - Location: Pioneer Picnic - 1809 Middle Rd. - Pierpont, OH 44082 Website: <https://sites.google.com/view/arca-home/> Public Contact: Andrew Walbridge , W8IJC - 4962 Graham Rd. Jefferson, OH 44047 - Phone: 440-858-6370 - Email: kc8oh.arca@gmail.com

08/05/2023 - Columbus Hamfest - Location: Aladdin Shriners - 1801 Gateway Circle - Grove City, OH 43123 - Website: <http://www.columbushamfest.com> - Public Contact: Art Wilson , N8ART - 182 Alexander Lawrence Drive Pickerington, OH 43147 Phone: 614-256-5829 - Email: W8FEZAUDIO@AOL.COM

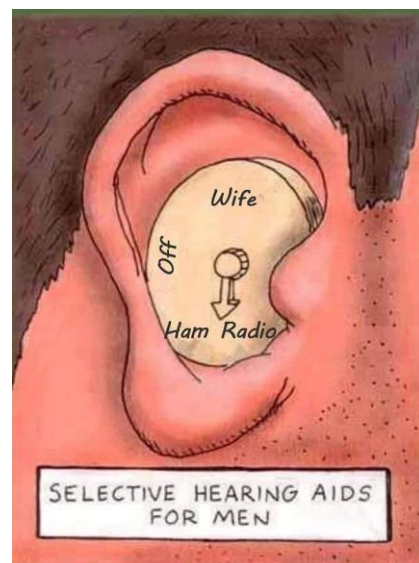
08/20/2023 - Warren Amateur Radio Association Tailgate Swap Meet - Location: Mosquito Lake State Park - 1439 Wilson Sharpsville Rd (state route 305) - Cortland, OH 44410 - Website: <http://w8vtd.org> - Contact: Larry Oliver, KD8LYX - PO Box 809 Warren, OH 44482 - Phone: 330-553-9579 - Email: WARAW8VTD@gmail.com

09/10/2023 - Findlay Hamfest - Location: Findlay, OH - Hancock County Fairgrounds - 1017 E. Sandusky St., Findlay, OH 45840 Phone 419-423-3402 - Sponsor: Findlay Radio Club - Website: <http://findlayradioclub.org>

09/24/2023 - Cleveland Hamfest Location: Cuyahoga County Fairgrounds - 19201 E. Bagley Rd. - Berea, OH 44017 Sponsor: Hamfest Association of Cleveland - Public Contact: Doug Dever, AB8M - 8035 West Ridge Dr. Broadview Heights, OH 44147 - Phone: 216-401-5888 - Email: dougdever@gmail.com - Website: <http://www.hac.org>



Photo Bomb - Hamvention 23



Antenna Special Interest Group

Bob, N8QE
Antenna SIG Coordinator



Next SIG will be Tuesday July 18th at 7:00 PM

The next meeting of the PCARS Antenna Special Interest Group will be held July 18, 2023 at 7:00 PM. We will be in-person at the PCARS club site and on Zoom.

At the June meeting, we discussed Joe's W8HTB 6 meter SWR measuring issue, Brandon's KE8ARB bicycle mobile mount design, and Karl's W8KFU 65 foot vertical that seems to be deaf on HF.

The Antenna SIG meetings are open to all PCARS members and guests. All ham radio operators or anyone interested in Amateur Radio are also welcome to attend.

We will be discussing all aspects of antenna design, construction, test equipment, and experimentation. Everyone is welcome to join the discussion, and talk about their antenna related projects with the group.

Can't be at the Antenna SIG meeting in person? Then join us in the Zoom Meeting:

<https://us02web.zoom.us/j/87220356586?pwd=czgvLzRPejVBT2hPSkVIZU1VaU84Zz09>

Meeting ID: 872 2035 6586

Passcode: PCARS2022

Digital Special Interest Group

Rick, K8CAV
Digital SIG Coordinator



Next SIG will be Tuesday August 1st at 7:00 PM

Due to the Independence Day holiday falling on the first Tuesday of July, the **July Digital Special Interest Group meeting is cancelled**. Stay tuned for announcements for the August Digital Special Interest Group meeting!

Can't be there in person? Then join us in the Zoom Meeting:

<https://us02web.zoom.us/j/88355094567?pwd=ZzRvd1hmQWNaYlZEcGF0dVhuNlNiQT09>

Meeting ID: 883 5509 4567

Passcode: PCARS2022

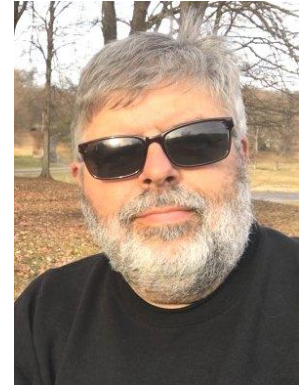


PCARS K8BF

The Club that puts the FUN in Ham Radio!



Portable Ops Special Interest Group



John, WG8X
Portable Ops SIG Coordinator

Next SIG will be Tuesday August 8th at 7:00 PM

We had a great time a few weeks back at the Portable Ops SIG meeting. We met at Chestnut Hill Park in Ravenna. The weather wasn't awesome at first but cleared up nicely. Hopefully, we can do this again next June.

Sorry, there's no Portable Ops SIG coming up in July. I have quite a bit on my plate this month, so I felt it best to just cancel for the month. BUT, that doesn't mean that portable ops won't be workable on the bands. The POTA SYP (Support Your Parks) weekend is coming up on July 15th/16th. The bands should be filled with record numbers of POTA activators.

Have fun this month, and **we'll get together again on August 8th.**

We'll again be streaming on **August 8th** via Zoom. Here's the link:

<https://us02web.zoom.us/j/89732195744?pwd=cldtZmxMcmFqQndhQWtJN0s2NUNnUT09>

Hope you can make it.

PCARS Thursday 2 Meter Nets



Greg, KA8TOA
Net Control Coordinator

Thank you all for helping with this! Anytime you are unable to take the net, please give me as much advance warning as possible! **Check-in using the receiver located in Sugar Bush Knolls ~ 146.895 with a PL tone of 118.8. We also use EchoLink node K8BF-L**

The net control dates will be posted on the Club website. An email will be sent out after the posting. As usual if there are issues please contact me via the roadrunner email address.

Thanks to all of you for helping out.

I am in desperate need for some net operators to run the Thursday night nets. It really is not that hard and it is fun, along with good training if you are ever needed for emergencies. I know we have been low on check-ins for the past couple of months. The commitment is only for once a month and this club is worth that. If anyone has ideas for the club, please do not hesitate to speak out at meetings or on nets or call or write. We appreciate the input. For now - 73.

July	
6	KE8LWO
13	N8WCP
20	N8QE
27	KE8BWA

August	
3	
10	
17	
24	
31	



The PCARS net is **BIG Fun** - tell your friends to check in via RF or EchoLink!



Charlie the Tuner's HF High-Lites

Chuck, W8PT
a.k.a. "Charlie the Tuner"



Greetings DXers Charlie the Tuner's DX High-Lites

July is one of our hottest months of the year. And along with August, we should be able to get a lot done outside as long as we take proper care to keep a hat on, to use sun screen and to keep properly hydrated. This even goes for those of you who like to work POTA and SOTA. Just because you're not doing anything exerting, you still need to take care.

I'm still working on towers and antennas and making good progress, but I'm pacing myself. My 76th birthday comes up on July 4th. Just finished assembling a 5 band Log-Yagi from Optibeam that I bought from DX Engineering a few years ago and also reassembled my 7element wide-spaced 6m Yagi that was salvaged from one of my towers that was damaged back in 2019. It's been a long process and story. Don't ask! So be safe on the 4th. And now let's turn and take a look at what we might expect in the next couple of months.

Thanks to W1AW, W3UR & The Daily DX, DL5ON & The DX News Letter, DXNews.com, DX-World.Net, I1JQJ/IK1ADH & 425 DX News for the following DX information.

And as always, this report "could" contain "Pirate/SLIM" operation or more likely a "BUSTED CALLSIGN". As always, you never know, so... - "Work First, Worry Later".

PLEASE NOTE: The fact that donation requests, from various DXpeditions, are at times included in this column does not mean that PCARS or this HAM approves or disapproves of donating to the DXpeditions listed. I am only providing information for you to make up your own minds as to whether or not to donate.

July...

3C, EQUATORIAL GUINEA. Ersoy, TA2OM is QRV as 3C3CA from Bioco Island, IOTA AF-010, for another two months. QSL via LoTW.

6Y, JAMAICA. Pavel, CO7WT is operating as call/6Y until begin August. Pavel is on a business trip but is QRV during his spare time from 40 to 6 meter using SSB, FT4/8. QSL via IK2DUW, direct or bureau, LoTW.

7P, LESOTHO. Schalk, A22LL is now QRV as 7P8LL. Activity is on 80 to 6 meters. QSL via EA7FTR.

8Q, MALDIVES. Uruguay DX group member CX3AN (K3AAN), Bert, will be active as 8Q7HU from Dhaalu Atoll, Maldive Islands, IOTA AS - 013, 11 - 18 July 2023. He will operate on 40 - 6m. QSL via home call.

A2, BOTSWANA; V5, NAMIBIA; ZS, SOUTH AFRICA. Steffen, DL1SX is travelling with a 4x4 through South Africa, Namibia and Botswana from mid- June until mid-July. Operation during his spare time as ZS/call, V5/call and A25SX.

DL, GERMANY. Special callsign DL0SOP will be active on 1-31 July for the 65th edition of the Sea of Peace Award QSL via Club Log's OQRS, LoTW, eQSL, or direct to DL4SVA.

ET, ETHIOPIA. Ulli, DL9WVM is QRV from club station ET3AA in Addis Ababa until July 14. He is active between 0630 and 1400z. QSL via N2OO.

F, FRNACE. French special callsigns to be activated for this year's 110th edition of the Tour de France include TM110TDF on 1-3, 8, 9 and 14- 23 July (QSL via F8GGZ) and TM33TDF on 8-9 July (QSL via F6KUQ).

FH, MAYOTTE. Marek, FH4VVK is here until June 2024 and QRV on the HF bands and 6 meters using SSB and FT8. He may soon be active using RTTY. QSL to home call.

FO, POLYNESIA. Didier, F6BCW is QRV as FO/F6BCW from Huahine Island, IOTA OC-067, until October 25. Activity is on 80 to 6 meters using CW and SSB. QSL via F6EXV.

FP, ST PIERRE AND MIQUELON. Eric, KV1J will be QRV as FP/KV1J until July 11. Activity will be on 80 to 6 meters using CW, SSB, and various digital modes, with a focus on 60 and 6 meters. QSL to home call.

FW, WALLIS AND FUTUNA ISLANDS. (Reminder) Jean-Gabriel, F4CIX, is QRV as FW1JG and expects to be here until January 2024. He is active on 40 to 6 meters using SSB and FT8. QSL via LoTW.

GM, ROCKALL IS. MM0UKI is going to be QRV again from Rockall (EU-189) on 20 July, when Nobby, G0VJG and the SV "Taeping" will go and collect Cam Cameron after his 60-day fundraising expedition comes to an end. Mainly the return visit is to get Cam off the islet safely along with all the equipment, however Nobby plans to be QRV for 4-6 hours on 40 and 20 metres SSB. QSL via M0OXO's OQRS.

I, ITALY. Ninetyfive years ago (25 May 1928) the airship 'Italia' crashed on the ice on its way back from the North Pole and a small tent dyed red for maximum visibility was the only shelter. Commemorating the role of radio (and amateur radio) in rescuing the Red Tent survivors, special callsign III1TR will be active on 80,40, 20, 15 and 10 metres SSB and CW until 12 July. QSL via IZ1ETD.

JD1, MINAMI TORISHIMA. Take, JG8NQJ will be active again as JG8NQJ/JD1 from Marcus Island, IOTA OC - 073, Minami Torishima, starting 20 July 2023. The Minami-Tori-Shima Island is a triangular shaped island in the northwest Pacific Ocean. Its name is Japanese and means 'Southern Bird Island'. It is also known by its other name of Marcus Island. He will operate on HF Bands CW. QSL via JA8CJY.

KH8, AMERICAN SAMOA. Members of the KH8RRC Team will be active as W1AW/KH8 from American Samoa, July 12-18, 2023. They will operate on HF Bands, CW, SSB, FT4, FT8.

OY, FAROE IS. Following on from their Svalbard activity, until July 5: look for **OY/DC8TM** & **OY/DF3TS** to be QRV from the Faroe Islands. QRV again on SSB & FT8. QSL via LoTW. This will be a SOTA & WWFF activity.

OY, FAROE IS. SP7VC and SQ7OYL will be active as OY/SP7VC from Faroe Islands, IOTA EU-018, July 23-26, 2023. They will operate on HF and VHF Bands, with focus on VHF and 6m. QSL via SP7VC.

PJ5, ST EUSTATIUS. Look for PJ5/PA4O and PJ5/PE6Q between July 6 and July 18. Operation from 80 to 6 meter using CW, SSB and FT8. An entry in the IARU HF Championship is included as PJ5C. QSL via Club Log OQRS

PJ7, ST MAARTEN. Ben, PE5B will be operating as PJ7/call from July 7 until July 14. Operation on HF using SSB and RTTY. QSL via LoTW.

T31, KANTON IS. After their **T30UN** DXpedition to Tarawa, W. Kiribati, the Rebel DX Group will be **T31** making a return visit to Kanton island and QRV as **T31TT** starting June 1st for approximately 10-12 days.

TF, ICELAND. TF/SP7VC and TF/SQ7OYL will be active from Iceland, IOTA EU-021, July 27 - August 17, 2023. They will visit various locations and will operate HF, VHF, EME. QSL via SP7VC.

TR8, GABON. Roland, F8EN ex CN8EM, FO8BV, 3C3CR, TR50R will be active again as TR8CR from Gabon, 4 June - end of July 2023. He will operate on 30 - 10m, CW. QSL via F6AJA.

VP9, BERMUDA. Dave, G4OSY, will be QRV as G4OSY/VP9 on 40-6m (SSB and maybe CW) from Hamilton Parish, Bermuda until July 8, 2023. QSL via G4OSY. No eQSL or LoTW.

XV, VIETNAM. Andrei "Gran" UA3AA, previously operating as XV2G in 2014, is now back on the air as XV9G on 40-6m (CW, SSB).

XZ, MYANMAR. Akio, JE2QIZ is QRV as XZ2B from Yangon until the end of September. Activity is on 15, 12, 10, and 6 meters using CW. QSL via JE3SIF.

ZL, NEW ZEALAND. Special event station ZL100 will be QRV until July 25 to celebrate the first amateur radio contact made between New Zealand and Australia. QSL via bureau.

August...

9Q3, CONGO. Vladimir, OK2WX will be active as 9Q3WX from Democratic Republic of the Congo, August 15 - September 3, 2023. He will operate on HF Bands, CW, SSB, Digital Modes. QSL via IZ8CCW.

A6, UAE. Special event callsign A60AP (QSL via EA7FTR) will be active until 31 August. The suffix stands for the Emirates 'Astronaut Program'; launched in April 2017, prepares crews of UAE astronauts or for missions to the International Space Station and other destinations in space. Also expect activity by A60AP/0, A60AP/1, etc. (see <https://www.qrz.com/db/A60AP> for the QSL routes for the various suffix extensions).

BY, CHINA. David, K6FA is QRV as BY2/K6FA until the middle of August. Activity is holiday style on the HF bands using mainly CW. QSL via LoTW.

C2, NAURU, Look again for C21TS in late July to August 2023. Plans are on track for a longer and better equipped operation. More news expected soon.

RI0, KURIL IS. RI0FS. Radio Amateurs members of Russian Robinson Club will be active from Shikotan Island, IOTA AS-062, Kuril Islands, August 9-17, 2023 as RI0FS. Team - R6MG, R7MR, RN3BL, RU3FS, RX3F, UA0FAM. Recent DX Spots RI0FS They will operate on 80-10m Bands. QSL via RN3RQ.

TX, FRENCH POLYNISIA. TX6D Team will be active from Mahina, Tahiti Island, IOTA OC - 046, French Polynesia, 2 - 15 October 2023. Team - DL7DF, DK1BT, DL4WK, DL6SAK, DL7BO, DL7UFR. They will operate on 160 - 10m, CW, SSB, Digital Modes. QSL via DL7DF, LOTW.

It still looks promising for a lot of good DX coming in the next several months. As always, things can change. But I simply wanted to let you know that if things remain as they are, there will be several DX entities on the air that many of us want in order to fill our DXCC coffers.

Get on the air and work some DX!!

PCARS Patches & Stickers



PCARS logo patches (*iron on*) & stickers (stick on) are now available!! Put the patch on your hat, your shirt, your jacket and show off that PCARS logo!! The patch is about 3". The embroidery on the white patch is in Red, Black and Blue. Cost for a patch is only \$2.00 each and can be obtained at any PCARS meeting. There are 2 types of stickers available - a 4" x 6" oval and a 3" x 10" bumper sticker. Stickers are \$1 each. Show your pride in PCARS - Wear a patch, use the stickers!



See the club Treasurer: **Greg, KA8TOA** or e-mail him at: Treasurer@portcars.org



Pan Ohio Hope Ride - Request for Assistance



Mat, KC8NZJ
Ohio ARES District 10 Emergency Coordinator
Cuyahoga County/Cleveland Weather Skywarn Coordinator



We are currently looking for additional volunteers for the 2023 Pan Ohio Hope Ride (POHR). POHR is a charitable bicycle ride that supports the American Cancer Society. It is a 4-day ride that spans the state from Cleveland to Cincinnati, with overnight stays along the way in Wooster, Westerville, and Dayton. Thursday, July 20th - Sunday, July 23rd 2023

We are currently looking for assistance in the following roles:

- **SAG (Support and Gear) drivers**

- SAG drivers follow along the route in their personal vehicles and provide assistance to cyclists in need. They are provided a tote of equipment (spare tubes, air pump, snacks, water, Gatorade, other misc. supplies) at the beginning of the event and are expected to return unused items at the end. SAG drivers are coordinated and dispatched using MARCS interop channels. Anyone with their own radio is welcome to use it. For all other volunteers, CACHE radios will be signed out each day. SAG drivers are offered prepaid overnight lodging in hotels along the route. They are also provided food every day. Fuel receipts can be submitted at the conclusion of the event for reimbursement if desired. We would love to have SAG drivers accompany us for all 4 days but will accept volunteers for any individual days as well. We would prefer that SAG volunteers are able to commit to at least one full day.



- **Rest Stop Transportation Officers**

- Transportation officers will be assigned to rest stops along the route. Transportation officers will be responsible for coordinating SAG pickups at each rest stop, assigning waiting riders to available SAG vehicles as they arrive on site, and then reporting all pickups to net control via radio (MARCS, simplex, or ham repeater depending on cache radio availability) or telephone.



An amateur radio comms plan will be in place for all days of the event, but will serve as a backup with MARCS being the primary means of communication whenever possible.

Anyone interested in volunteering for this event, or with any questions about the event should contact Mat Nickoson, KC8NZJ kc8nzj@outlook.com

As a side note, I've heard many comments from people regarding the past communications leadership of this event. I want to assure everyone that the event is being run by a new group (Event Support Group www.n8esg.org) as of around 2019 and ALL amateurs are welcome and encouraged to participate in this event!

Thanks again and I look forward to your

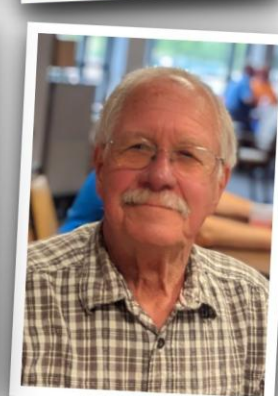
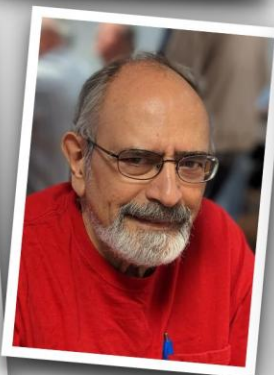
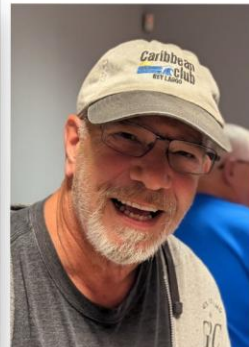
assistance!



Event Support Group

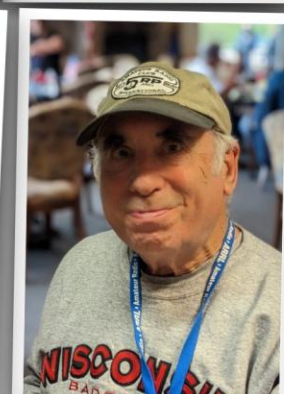
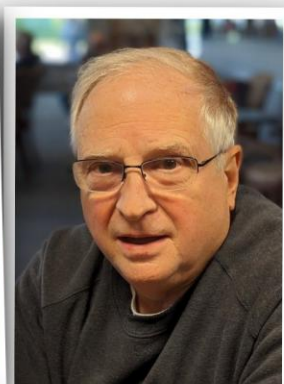
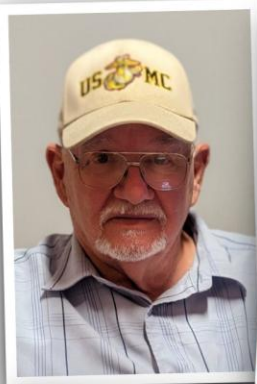


Photos from the PCARS Meeting



PCARS

June 12, 2023



PCARS

June 12, 2023



PCARS Ham Radio License Plates Wanted !!! PLEASE !!

Dig out that amateur radio call sign license plate (with your present call sign), clean it up and bring it to be permanently affixed to the wall in the PCARS club station.

We have 78 PCARS member's ham plates now, **but we can use more**. Don't have ham radio call plates on your vehicle? Well for those of you in Ohio, you can get the plates sent to you by going to any License Bureau office and filling out the special plate registration form. Have a copy of your current FCC license when you apply. The official form to obtain your Ohio Amateur Radio license plates is on the PCARS IO Group site. Then you'll have an old plate to bring in to get hung up as a *permanent part of PCARS history*.



From the Ohio BMV:

General Information: Owners or lessees of motor vehicles who are residents of Ohio and hold an unrevoked and unexpired official amateur radio station license issued by the Federal Communications Commission may apply for these plates. The official call letters will be the license plate numbers.

Registrant Eligibility: Owner must submit a copy of the un-revoked and unexpired official amateur radio license issued by the Federal Communications Commission. (FCC).

Title Requirements: Ohio Certificate of Title issued in the same name as the FCC license, either singly or jointly, or the name on the FCC license is the same name on the lease agreement.

Vehicle Information: These plates may be issued to passenger vehicles, non-commercial trucks, recreational vehicles, house vehicles and non-commercial trailers.

Type of Plates: Plates will be manufactured with the FCC license.

Issuance Information: Amateur Radio plates cannot be issued with system assigned, reserved, or personalized plate formats.

Renewal of plates can be done at your local Deputy Registrar or by mail using their renewal notice. **Amateur Radio License Holders must provide a copy of their current unexpired and unrevoked official amateur radio license issued by the Federal Communications Commission (FCC) at the time of any type renewal transaction.**

All plates will be mailed directly to the address on your registration card unless customer requests otherwise. The deputy will issue your registration card, stickers and provide you with a permit which will allow you to operate your vehicle while your plates are being manufactured. Special license plate applications are available at all Deputy Registrar license agency locations. These plates cost an additional \$10.00 annually plus the normal registration fees. The fee is determined by Ohio Revised Code section 4503.14.

PCARS is on YouTube

That's right - PCARS is on YouTube. So, what does that mean? Hey, we have a place to put all kinds of videos that are about PCARS for the world to see.



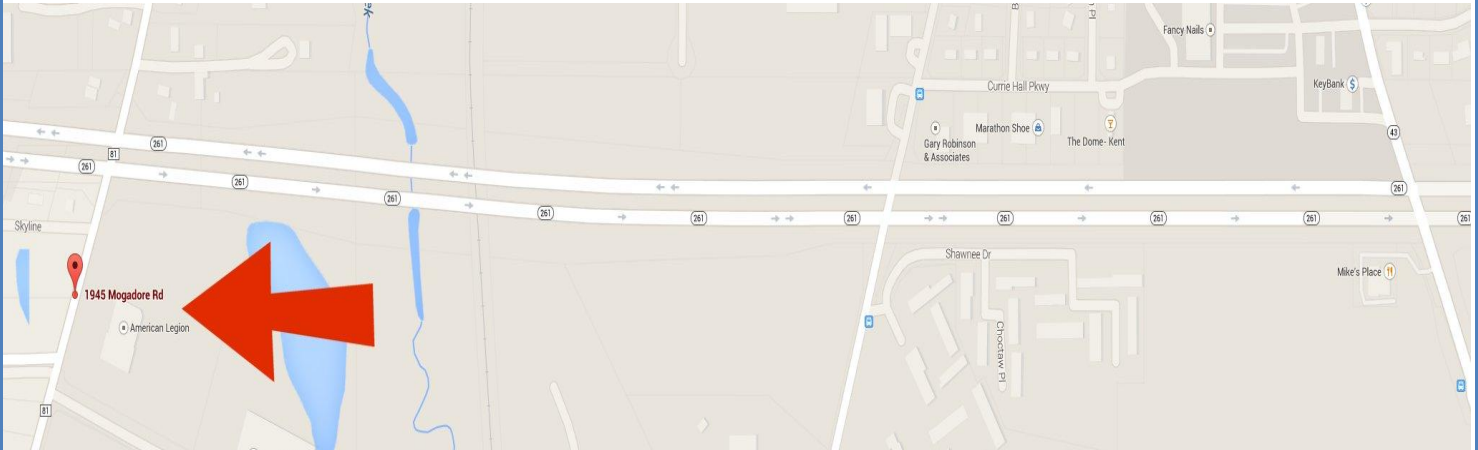
PCARS Meetings

The Portage County Amateur Radio Service (PCARS) in-person meetings are held the **2nd Monday** of each month and start at 7:00 pm.



CHECK WEBSITE FOR UPDATES ABOUT IN-PERSON MEETINGS

*The meetings are held at The American Legion, Post 496
1945 Mogadore Road - in Kent. (Just South of Route 261)*



The American Legion Post 496 is located on the southeast corner of State Route 261 and Mogadore Rd. The driveway is on the south side of the building and as you enter you will pass through a parking lot on the south side of the building. Please do not park in this lot but instead continue on to the parking lot on the east side of the building which is the near the rear entrance into the Post 'Canteen'. As you enter the post from this entrance you'll see a bar to the left and a dining area to the right. The meeting area we'll be in is on the right, to the rear of the dining area.



*The picture on the left shows
The American Legion Post 496
as viewed from Mogadore Road.
(looking East)*

The menu consists of your basic burger / dog / chicken sandwiches, wings, fries, onion rings, and salads. There is also an appetizer selection as well. Adult beverages are available and costs are in line with what you would expect at most bar-restaurant facilities.

If you are a member of the The American Legion, The American Legion Auxiliary, or the Sons of The American Legion, bring your ID card as you get a substantial discount on adult beverage pricing.

PCARS VE Testing Information & News

Tom, KB8UUZ
PCARS VE Team Liaison



We will have a VE Test Session August 5th at the club site starting at 10 am.

**Future Dates:
October 7th, December 2nd**

***** Check the website for the latest information *****

If you have any questions, don't hesitate to contact me at KB8UUZ@gmail.com On behalf of the VE team at PCARS, we all look forward to seeing you at the PCARS club site in Ravenna so you can take your license test. Face masks are not State/County mandated at this time, but you are always welcome to wear one.

PCARS VE sessions are scheduled for **10:00 am** on the first Saturday of every even numbered month at the PCARS club site in Ravenna.

QUICK FACTS

- **Yes**, PCARS VE test Sessions are held at the club site in Ravenna starting at 10 am - see schedule.
- **Walk-Ins are accepted.** Would appreciate an email to KB8UUZ@GMAIL.COM if you plan on attending.
- You **MUST** have an **FRN Number** (SSNs no longer accepted)
- You **MUST** have a **valid e-mail address** for the FCC to be able to contact you.
- **Picture ID required**
- **Original and Copy of your valid FCC license** and originals of any applicable CSCE
- **Taking Technician Test?** - You **MUST** apply for your FRN and get it prior to testing.
- **VE fee is \$15** - Cash or Check payable to "ARRL-VEC"
- **17 years old or younger? VE Fee is \$5** per the ARRL reduced CE fee Youth Program
- **FCC License Fee \$35** - payable after FCC send you a link. **DOES NOT APPLY to upgrades.**
- **17 years old or younger? ARRL will reimburse you the \$35 FCC Fee.**

Okay - now all the Details:

- **You must have your FRN prior to taking an exam** - No SSNs will be used on the Form 605 anymore.
- **If you are sick, have a cough, a high temperature or have been exposed to COVID-19 or someone that has been infected - please, do not come to the club site. Use of masks is optional.**
- **No food or snacks allowed.**
- **\$15.00 Fee Payment will only be by check or exact change. We cannot make change**
- **If paying by check, make check out to: "ARRL-VEC" The VE Fee is \$15.00 (see below)**
- **Ensure you have the following:**
 - A picture ID such as a valid Driver's License, State ID, School ID, or US Passport.
 - If you are under 16 years of age, a parent or guardian must be able to vouch for you and you need a copy of your birth certificate (you do not have to give us a copy, we just have to see and verify).
 - **FCC is requiring you have your e-mail address on the Form 605.**
 - **If you are taking a Technician test you must have your FRN number** (you can apply for an FRN on the FCC website). For hams having a license, your FRN is printed on your license.
 - **If you are upgrading to General or Extra - You MUST bring your original valid amateur radio license and a copy of your valid amateur radio license to turn in with your Form 605.**
 - **Bring your own pencils and pens.**
 - **Calculators are okay to use (if you need one) as long as the memories are cleared.**
 - **NO cell Phones allowed**



Any questions? Contact KB8UUZ@gmail.com

Additional Information - What to Bring to the Testing Session

- If you've already passed a test: The original (and one copy) of any document that you will use to prove you've already passed a test element.

These documents may include:

- An unexpired Certificate of Successful Completion of Exam (CSCE) indicating the credit(s) earned.
- Original and copy of a pre-March 21, 1987 Technician license (this provides credit for the Element 3 [General] exam) - you **must** be currently licensed to get this credit.

Expired License? **Original** and a copy of your expired Amateur Radio License - you must take and pass Element number 2 to re-instate your license.

ARE YOU GOING FOR YOUR TECHNICIAN LICENSE? READ THIS IMPORTANT INFORMATION

First-Time Exam Applicants MUST Obtain FCC Registration Number BEFORE Taking Exam

As of **May 20, 2021**, all amateur examination applicants are **required** to provide an FCC Registration Number (FRN) to the Volunteer Examiners (VEs) **BEFORE** taking an amateur exam. This is necessary due to changes the FCC has made to its licensing system. Applicants will create an FCC username and account, respond to the verification email from FCC, and then register for the FRN. Register on the FCC's Commission Registration System (CORES): <https://apps.fcc.gov/cores/>

Email Addresses REQUIRED

As of **June 29, 2021** all applications will be required to contain an email address for FCC correspondence. Applicants will receive an email direct from the FCC with a link to the official electronic copy of their license whenever a license is issued or changed. ARRL VEC suggests that those without access to email to use the email address of a family member or friend. Licensees will be able to log in to the ULS using their FRN and password to download the latest version of their license at any time. The FCC no longer provides paper license documents.



New FCC \$35 Amateur Application Fee

March 23, 2022 - The FCC released a [Public Notice](#) stating that the amateur radio application fees, including those associated with Form 605 application filings, would become **effective on April 19, 2022**. The Federal Communications Commission's authority to impose and collect fees is mandated by Congress. **April 4, 2022** - The Federal Communications Commission (FCC) staff has clarified in response to an ARRL request that the new \$35 application fee will **not apply** to most license modifications, including those to **upgrade an amateur radio licensee's operator class and changes to club station trustees**. The FCC staff explained that the new fees will apply only to applications for a new license, renewal, rule waiver, or a new vanity call sign. As previously announced, the new fees took effect on April 19, 2022.

VECs and Volunteer Examiner (VE) teams will not have to collect the \$35 fee at exam sessions. New applicants will pay the \$15 exam session fee to the ARRL VE team as usual and pay the \$35 application fee directly to the FCC by using the CORES FRN Registration system.

When the FCC receives the examination information from the VEC, it will email a link with payment instructions to each successful candidate. The candidate will have **10 calendar days**, from the date of the application file number being issued, to pay. After the fee is paid, and the FCC has processed an application, examinees will receive a second email from the FCC with a link to their official license. The link will be good for 30 days.

Additionally, the FCC stated that applications processed and dismissed will not be entitled to a refund. This includes vanity requests where the applicant does not receive the requested call sign. However, returned applications that are missing information will not require an additional fee, if the missing information is given to the FCC within the proper amount of time.

Youth Licensing Grant Program

The ARRL Youth Licensing Grant Program, in effect since April 19, 2022, will cover the one-time \$35 application fee for new amateur radio license candidates **younger than 18 years old** for tests administered under the ARRL Volunteer Examiner Coordinator (VEC) program. "We are thrilled that we are able to provide this opportunity to our youth candidates," said ARRL VEC Manager Maria Somma, AB1FM.

The \$35 Federal Communications Commission (FCC) application fee will be reimbursed after the ARRL VEC receives the completed reimbursement form and after the new license has been issued. The reimbursement check will be mailed to the fee payer. Also, candidates younger than 18 years old would pay a reduced exam session fee of \$5 to the ARRL VEC team at the time of the exam. The \$5 fee is for all candidates under the age of 18, regardless of the exam level taken. Proof of under 18 status is required at the session.

The ARRL Board approved the Youth Licensing Grant Program at its July 2021 meeting in Hartford, Connecticut, expanding on the scope of the original motion proposed by ARRL Southeastern Division Director Mickey Baker, N4MB.

The Board believes the recruitment and training of young amateur radio operators is a necessary and proper mission of the ARRL and subsidization of the \$35 fee will reduce the number of new amateurs that would otherwise be lost from these groups. Initially the new program would serve up to 1,000 new license applicants under 18 years old. The program length is indefinite; it may be renewed or terminated by the Administration and Finance Committee or by the Board of Directors.

Visit the ARRL website for the program instructions and reimbursement form at www.arrl.org/youth-licensing-grant-program.

=====

ARRL VEC Application Fees webpage: <http://www.arrl.org/fcc-application-fee>

ARRL News Story: <http://www.arrl.org/news/new-amateur-radio-license-applications-fee-to-become-effective-april-19-2022>

FCC Registration: <https://apps.fcc.gov/cores/userLogin.do>

The Federal Communications Commission (FCC) retired the [Legacy version](#) of its **CO**mmission **RE**gistration System (**CO**RES) on July 15, 2022. CORES is the FCC's public-facing database that enables and tracks certain types of FCC and FCC applicant actions, including amateur radio applications and licenses. Its implementation has enabled routine amateur applications and licenses to be issued overnight instead of over weeks, as was the case with earlier methods. The [updated version of CORES](#) is now available. (<https://apps.fcc.gov/cores/userLogin.do>)

=====

July 2022 - From: Maria Somma, AB1FM - VEC Manager - ARRL

INFORMATION ABOUT THE FCC APPLICATION FEE AND VEC FILED APPLICATIONS

The FCC application fee was implemented on April 19, 2022. Here's what we know so far...

1. MAKE SURE EXAMINEES UNDERSTAND THEY MUST PAY WITHIN 10 DAYS.

Examinees do NOT have to wait for the email from the FCC to pay the fee. As soon as an the application file number is issued by the FCC, they can pay by logging into the CORES Payer FRN System (easier to use but only temporarily available) or the CORES FRN Registration system (CORES - Login).

Application File Number search using an FRN: [FCC Application File Number Search](#)

CORES payment system background information and instructions: [Information](#).

CORES step-by-step payment instructions: [FCC Application Fee Instructions](#)

2. The FCC help center stated there is a known issue with individuals paying the \$35 application fee via a smart phone or tablet. This is not a new issue and they haven't been able to help troubleshoot the issue at the support center. Encourage candidates to login and pay the FCC application fee from a computer.

3. Examinees should NOT amend any applications that a VEC submits on their behalf, especially NEW license applications. Amending VEC filed applications will cause the application to be dismissed without action in the FCC system and potentially require the applicant to pay another \$35 fee. If there is a minor mistake on the application, either call us and we can correct and resubmit the application, or the individual can pay the fee, be issued the call sign, and then log back in and make corrections.

4. Individuals should review their application BEFORE paying the fee. If there is a major error on the application, such as the licensee's name or license class earned is incorrect, or the answer to the felony question is wrong, DO NOT PAY the fee. Call the VEC (ARRL) immediately.

5. When in doubt, call the VEC! (ARRL) Even if you think you shouldn't bother us with your question, call us anyway.



PCARS

**ARRL Volunteer Examiners:
serving the Amateur Radio
community**

**First Saturdays 10:00 am
at the club site in Ravenna**

**February, April, June, August,
October, December**





14th Annual Mobile Cruise-In 2023

So you think that you have one of the best amateur radio mobile installations to be found? Well here is your chance to show off that mobile rig and have the opportunity to compare it to dozens of others: HF, VHF, UHF, you name it.

Thursday, August 10, 2023, 6:00 - 8:00 pm

The Portage County Amateur Radio Service (PCARS) will be sponsoring the **14th annual**

Amateur Radio Mobile Cruise-In Night at the

A&W Restaurant - 769 East Main Street in Ravenna.

Hams from all over Northeast Ohio will be cruising in to check out the wide variety of mobile radio setups and get some ideas for their own vehicles.

Prizes awarded for:
1st Neatest Installation
2nd Most Bands Covered

Enjoy an evening of ham radio fellowship and fun and get to know other hams from throughout the area.

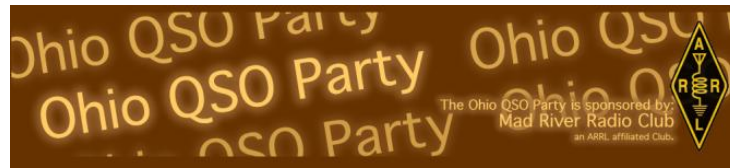


More information contact
Nick, AC8QG, at
President@portcars.org





You've heard of the **Ohio QSO Party**



Well, join us at the **PCARS** club site for the

Ohio BBQSO Party Club Picnic & Open House

Mark your calendars for **Saturday, August 26th 2023**, the date for this year's **Ohio QSO Party**. PCARS is going to put **K8BF** on the air and we are inviting all PCARS members to come on out for some special **Big Fun**.

It's a **BBQSO Party, Open House, PCARS Picnic** all rolled into one

Bob, N8QE will be the chef for the **Ohio-BBQSO Party!**

That's right, we'll be chasing two kinds of "Q's": on the air contacts and great food fresh off the grill.

Contest set up starts at 10 AM - Contest starts at Noon and ops will continue until midnight (12 hour contest)

Burgers & Brats will be served at around 2:00 pm and **everyone is invited to bring snacks or side dishes.**





2023 FINDLAY HAMFEST

Vendor set-up 6AM.
Doors open at 8AM.

SUNDAY, SEPTEMBER 10

Hancock County Fairgrounds
1017 E. Sandusky St., Findlay, OH 45840

41.036717 -
83.631166

General Admission STILL JUST \$10
\$20 Vendor Table (\$15 each additional table)
Each Flea Market Space \$10
\$15 Overnight Fee

CONTACT US:

Talk In: 147.15+ (PL 88.5)
444.15+ (PL 88.5)

Phone: 419-423-3402

www.findlayradioclub.org/hamfest
hamfest@findlayradioclub.org



Box 587 Findlay, OH 45839
Organized in 1925

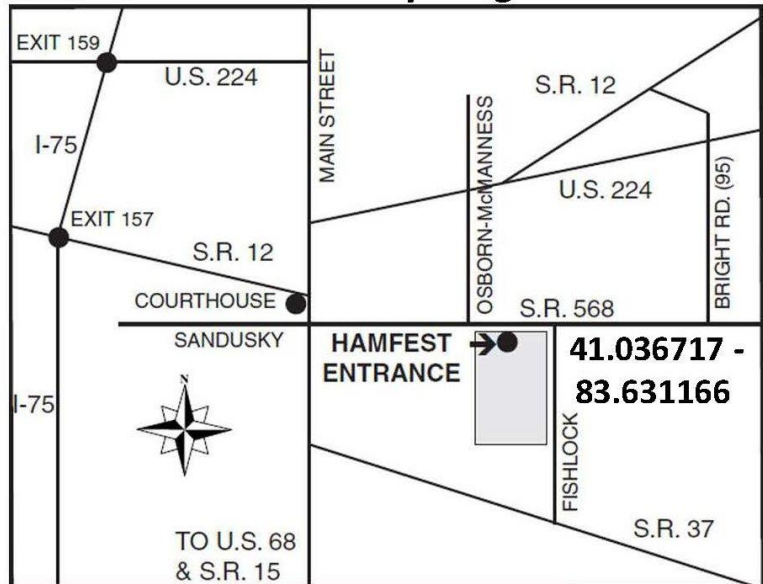
RAIN OR SHINE
FREE PARKING



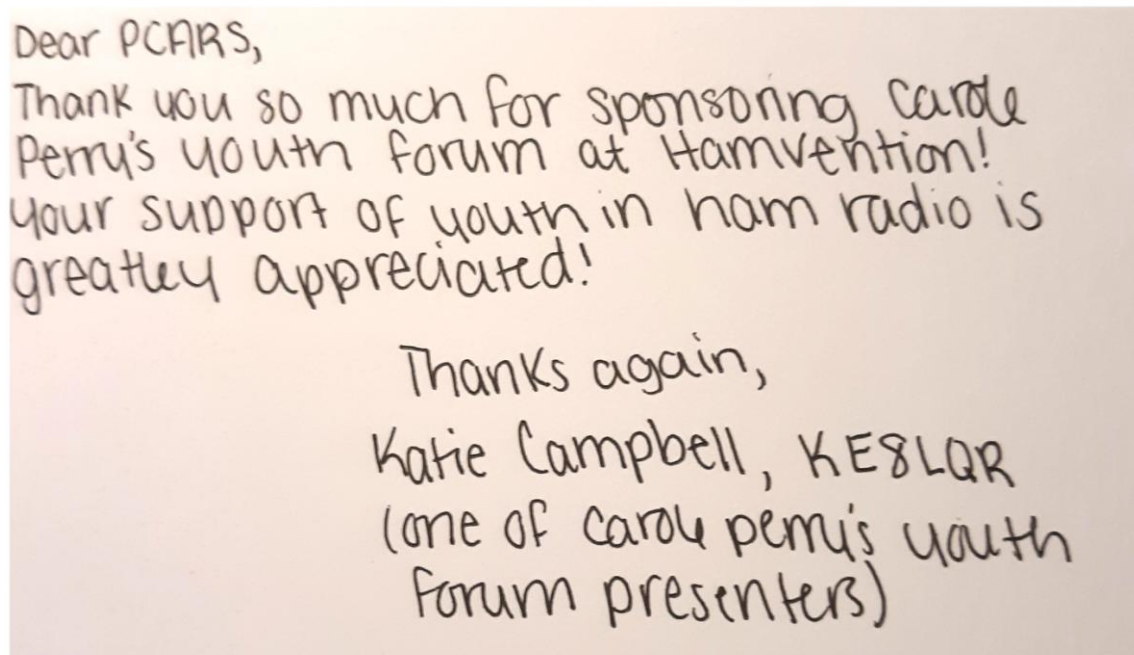
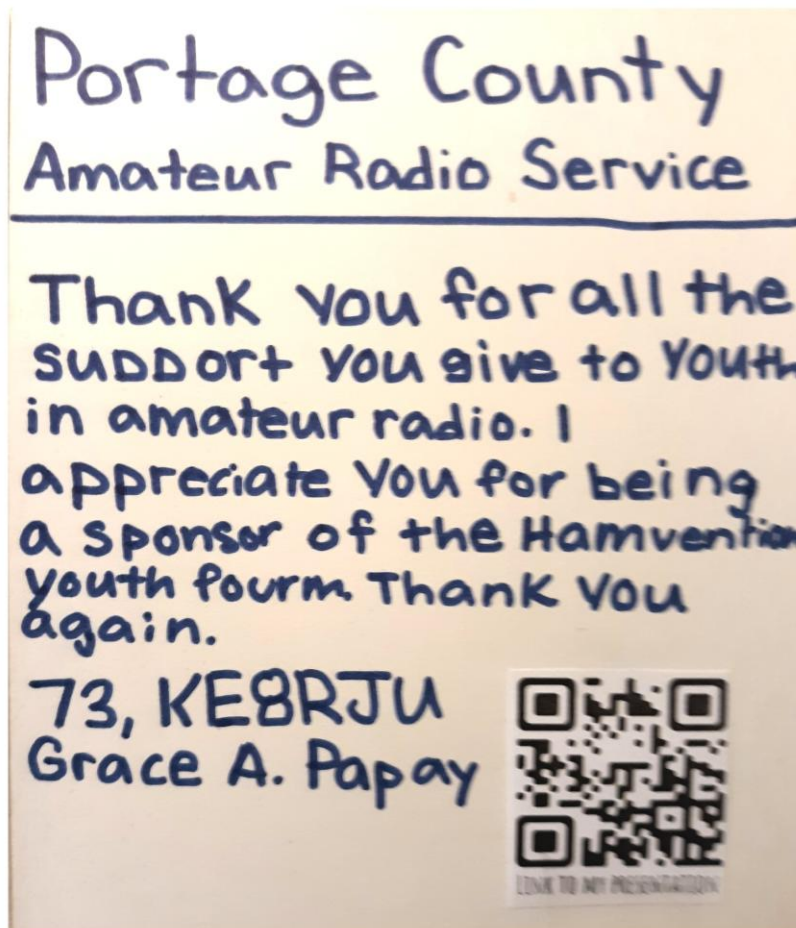
For more information and online ticket sales, just point your cell phone's camera on this QR code.



Hancock County Fairgrounds



41.036717 -
83.631166



Thanks & 73



Parky, KB8UUZ
PCARS Newsletter Editor



I really appreciate the help in gathering material to keep this newsletter number one. Without your help we would not have received the newsletter awards in past years. All of our members (and others) look forward to getting this newsletter every month, so keep sending those inputs! I'm sure you know PCARS is known as the **BIG FUN** amateur radio club. So chip-in and send your article in to keep this newsletter great during 2023 and beyond.

Thanks go out to the contributors for this month's newsletter:

AC8QG, AC8NT, KB8UUZ, WA8EFK, N8SY, WB8LCD, WG8X, AB8YK, K8CAV W8CI, N8AMY, WA8AR, N8WCP, N8QE, KA8TOA, W8PT, KC8NZJ, KE8RJU, KE8LQR, The ARRL, and the World-Wide Web

With *your* continued help – we can keep making this a *great* newsletter.

I Received Some Help - Yaaa!



Good news - J.C., KC8JC stepped up and volunteered to take on the reins as the PCARS Newsletter Editor. Over the next couple of months, I will be working with JC to get him all the files (and I have a TON of files) that are used for the newsletter. I will also be going over how I do the newsletter in detail with him. He will of course be able to make his own changes as he sees fit so the look of the newsletter may change with a fresh set of eyes. If you see JC - tell him THANKS. It's been a fun ride doing the newsletter since the club started, but it's time to pass the torch. I'm positive JC will do a great job with your continued support in sending in photos and articles to help fill the pages. So, in the near future I can get busy at getting my radio room fixed up and get back on the air more often. Again - thanks goes out to JC - it is REALLY appreciated.



New Store coming to the Mall later this year to specialize in Parts and Accessories for the Electronics Hobbyist & Radio Amateur from Beginner to Pro



The Portage County Amateur Radio Service, Inc. (PCARS) - Ohio

~ The Hamvention® 2018 "Club of the Year" ~

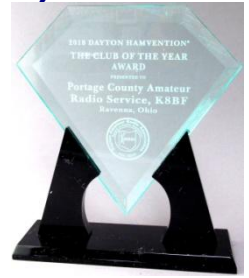


PCARS meets the second Monday of each month at the **Kent American Legion Post 496**,
1945 Mogadore Rd. - just South of Rt. 261 - Enter the rear of the building for the meeting room.

Meeting starts at 7:00 pm - All are welcome to attend ~ Stop in and say hello!

PCARS uses the **K8IV** repeater: **146.895 MHz PL 118.8** in Sugar Bush Knolls ~ EchoLink Node: **K8BF-L**

Check PCARS out on the web: www.PORTCARS.ORG -or- www.K8BF.ORG



~ 2023 Officers ~	2023 PCARS Appointments & Committees	
President - Nick Wagner - AC8QG Vice President - Jim Wilson - AC8NT Treasurer - Greg Ash - KA8TOA 1 Year Trustee - Tom Parkinson - KB8UUZ 2 Year Trustee - Chuck Patellis - W8PT 3 Year Trustee - Mike Ryan - KB8TUY Past President - Tom Sly - WB8LCD	ARRL Awards - DXCC	W8KNO Joe Wehner
	Club Site Manager/Liaison	K8CAV Rick Kruis
	Contest Coordinator	W8PT Chuck Patellis
	EchoLink	AC8NT Jim Wilson
	Field Day Chairman, 2022	WA8AR Tony Romito
	FYAO Chairman	W8PT Chuck Patellis
	Historian	KB8SZI Peggy Parkinson
	K8BF Callsign Trustee	N8AMY Amy Leggiero
	K8BF QSL Manager	N8AMY Amy Leggiero
	Membership Chairman	
	Net Control Coordinator	KA8TOA Greg Ash
	Newsletter Editor	KB8UUZ Tom Parkinson
	OSPOTA Chairman	KB8UUZ Tom Parkinson
	PCARS Photographer	KE8LWO Bernadette Wagner
~ Meetings & Net ~	Public Information Officer	
2nd Monday of each month. 7pm Thursday night Club Net at 8 pm on 146.895	Secretary	KE8EGF Paul Hyland
	Social Media	N8WCP Mike Szabo
	Tech, Gen & Extra Class Mgr.	AC8NT Jim Wilson
	Volunteer Examiner Liaison	KB8UUZ Tom Parkinson
	Webmaster	WG8X John Myers

PCARS Volunteer Examiner Team Members	Call Sign	Name
KB8UUZ		Tom Parkinson
AC8NT		Jim Wilson
AC8QG		Nick Wagner
N8QE		Bob Hajdak
KA8TOA		Greg Ash
WA8CCU		Al Nagy
N8FUM		Dan Torchia
KC8JC		James "JC" Wilson
W8EC		Mark Haas
K8IG		Fred Freer
W8HFZ		Tim McLeod
K8PJW		Phil Weiss
N8XTH		Deron Boring
K8IV		Ed Polack
N8AMY		Amy Leggiero
W8PT		Chuck Patellis



PCARS Volunteer Examiner Team Members



THE RADIOGRAM

PCARS Incorporated
Nov. 1, 2005

First Meeting
Nov. 14, 2005



ARRL Affiliation
April 20, 2006



Special Service Club
March 22, 2010

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