



The **RADIOGRAM**

When All Else Fails ~ Amateur Radio Works

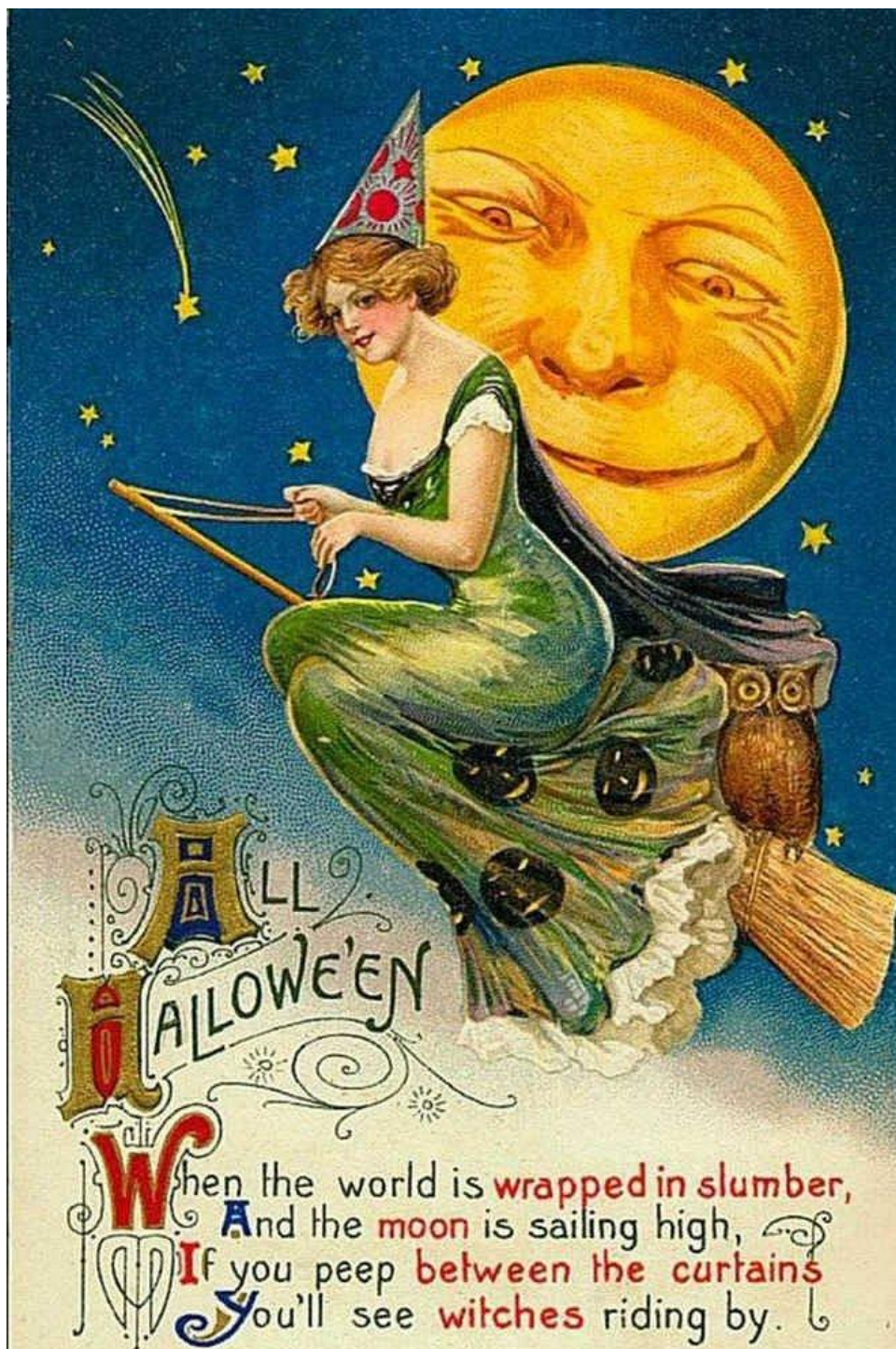
~ Official Newsletter of the Portage County Amateur Radio Service, Inc. ~

PCARS - the 2018 Hamvention® Club of The Year

October 2022 - Volume 17 Number 10

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PCARS K8BF

The Club that puts the FUN in Ham Radio!





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Portage County Amateur Radio Service



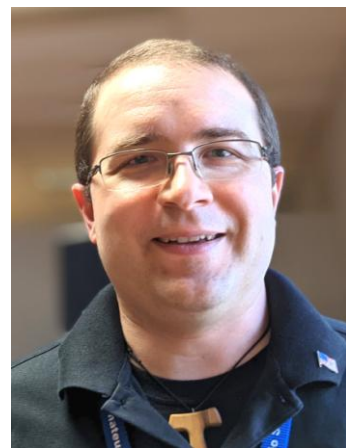
2018 Hamvention® Club of the Year



From the President



Nick, AC8QG
PCARS President



Ohio BB-QSO Party

Last month I was confident we would have “Big Fun” at our annual BB-QSO Party. I think I can safely say that my prediction came true. Thank you to everybody who helped out this year! The food was great, the contest was great, and of course, the people were great!

Wagner Family OSPOTA 2022 Report

This year Team AD8FQ (Ben’s call) had to adjust our OSPOTA plans slightly due to a family event, which meant we needed to stay closer to home. After a bit of investigation, we decided to try our luck at Buckeye Shelter in Wingfoot Lake State Park. It turned out to be a great park, with friendly staff, beautiful views, and tall trees for hanging our antenna.

Thank you to all the folks who made a contact with Team AD8FQ. Ham radio is a fun family activity for us largely because of the good people we interact with every time we’re on the air. There was some challenging QRM at times, but most people were patient and helpful.

So how’d we do? Well, our antenna went up quickly. All our equipment worked on the first try. A noisy laptop power cable was easily replaced. And importantly, the pizza delivery guy found us while our food was still hot. Agnes AD8IR and Ben AD8FQ, our only operators this year, made contacts all day, pretty much non-stop. All in all, it was a fun day. I’d call that a success!

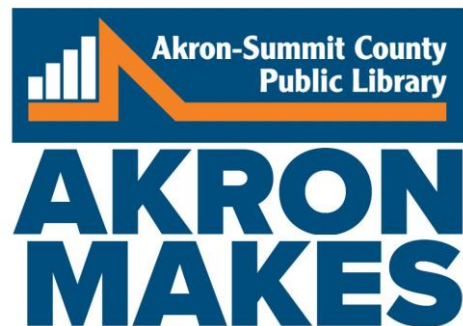


Akron Makes

Thank you to the team of PCARS members who manned our table at Akron Makes 2022. We were located in a different part of the Akron Library this year, and at first it felt like we were somewhat hidden away. I had my doubts, but we ended up talking with a lot of people and a lot of young people in particular.

Throughout the event we heard the usual “*Is ham radio still a thing?*” But this year we also heard a lot of “*Oh, cool!*” and “*Can you really talk to people all over the world?*” and “*That sounds like a lot of fun!*”

Ham radio is a lot of fun, and the more we show up in our community, the more people will see just how much fun it can be.



Center of Hope Fundraiser

We're quickly approaching our annual Center of Hope fundraiser in November. Now is a great time to ask family, friends, co-workers, bosses, anyone, and everyone to help out if they can. To make it easy, we have a donation button on the front page of our website (www.portcars.org).

It's been a tough year for many people in our community and the Center of Hope needs your help! PCARS members have always been extremely generous, and I know this year will be no different!



Remember, every little bit helps!

Upcoming Elections

Organizations like PCARS only exist because of the time and talent of several volunteers. Our current team of club officers have done a great job this year, and I know all of them will continue to contribute to our future success. It's a lot of work, but it's a lot of fun too.

In November, as always, we'll be electing officers for the upcoming year. Please think about helping out and seriously consider running for election as a club officer.

Please also consider volunteering for an appointed position or in some other smaller capacity.

There's a lot of work to do and we need your help!

Dues are (almost) due!

At the September Officers' Meeting, the board voted to approve changes to the PCARS Standing Rules that adjust our annual dues and our membership year. For most of us, that means an extra \$5 per year due by November 30th.

The updated Standing Rules are here with changes highlighted in red:
<https://drive.google.com/file/d/1D2LW2WyJDqt0iN5AJyVaa8lf6jcFccnk/>

The latest version of the Constitution and By-Laws is on our website:
<https://www.portcars.org/wp/club-info/constitution-by-laws/>

This adjustment to the membership year means now is a great time to renew your membership. I highly encourage you to renew online or at our next club meeting. More information is available on our website:
<https://www.portcars.org/wp/membership/>

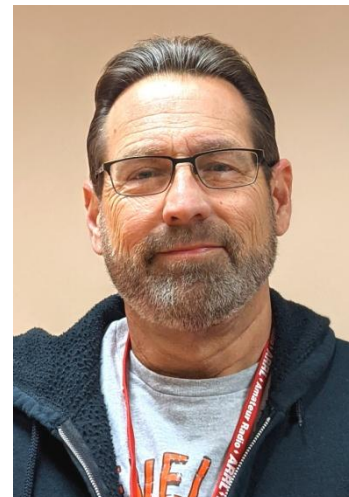
Thank you for your ongoing support of PCARS!



From the Vice President



Mike N8WCP
PCARS Vice President



Unfortunately I missed the deadline for the September addition so I want to start off by thanking all the members who were able to attend our Cruise In and BBQ, both were well attended. The clubhouse looked great for the BBQ both Bob, N8QE and Mike, KB8TUY worked their magic on the grill. Metro, W8MET and Linda, N8LRS submitted their membership applications at the club BBQSO Party and Metro jumped right in and worked the CW station in the Ohio QSO Party!

PCARS Power Pole Distribution Board Build 10/22/22

We've scheduled a build project for October 22nd at 10:00 AM. The project is an **Anderson Power Pole distribution board**.

Here's a great way to distribute power to your equipment in the shack or field. This project will take approximately one hour to build. Bring your tools and soldering iron to the club site on October 22nd at 10:00 and have some fun building this distribution board. We'll have tools and soldering irons available for those who might not have them. The cost of this kit is \$25 and we have 18 kits available so sign up soon on the club website to reserve yours. Power pole sign up: <https://www.portcars.org/wp/group-builds/>

Jim Storms, AB8YK will be the speaker at the October meeting. Jim will discuss the recent Youth DXpedition to Curaçao which our club supports.

October kicks off our membership renewal period. Members can renew before the end of the November in person at a club meeting or online at: <https://www.portcars.org/wp/membership/>.

Looking forward to seeing everyone at the next club meeting!



Schedule of Events



*We plan to add to the schedule as we bring back more in-person events.
Look for announcements in QST emails, on the website,
on our weekly net, and in future newsletters.*

*If you're not feeling well, please stay home and join us by Zoom if instead. We'll
continue to offer Zoom as an option wherever it makes sense to do so.*



October 1-2nd - California QSO Party - K8BF on the air at the club site
October 3rd - PCARS Board Meeting at the club site & Zoom - 7 pm
October 10th - PCARS Meeting - Kent American Legion & Zoom - 7 pm
October 15th - Portable Ops Sig Outing at Punderson State Park - 10 am-4 pm
October 22nd - Power Pole Distribution Kit Build - Club site 10 am
Nov 5th - 17th Annual FYAO - See Flier
Nov 7th - PCARS Board Meeting at the club site & Zoom - 7 pm
Nov 14th - PCARS Meeting - Kent American Legion & Zoom - 7 pm
ELECTIONS - Center of Hope Drawings - PCARS Birthday
Nov 30th - Dues are Due You can pay by cash, pay pal or check at meetings or mail.

First Tuesday - **Digital** - Moderator: Rick, K8CAV

Second Tuesday - **Portable Ops** - Moderator: John, WG8X

Third Tuesday - **Antenna** - Moderator: Bob, N8QE

Fourth Tuesday - **DX & Contest** - Moderator: Chuck, W8PT

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

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.

Portage County Amateur Radio Service



2018 Hamvention® Club of the Year

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



Ham Radio and Halloween

Ham Radio and Halloween? Well, there will be hams out during Halloween as extra sets of eyes to help safeguard the kids going door to door. Many hams do this every year as a service to their home towns. After all - let the kids have some fun and be safe at the same time. Enjoy the annual be-safe tradition.

Despite its dark and morbid traditions, Halloween is a favorite time of year for many. After all, when else is it socially acceptable for adults to play dress up, and kids to go door to door collecting free candy?

Like most holidays, the Halloween we celebrate today has evolved over many years from a blend of old customs and new ideas. Most historians trace the earliest origins of Halloween to the ancient Celtic festival of Samhain – pronounced “sah-win”. This celebration took place at the end of the harvest.

The Celtic people believed that at this time of the year, the veil between the living and dead worlds became very thin, and spirits had the ability to cross into the living world. This was both a positive and a negative to the superstitious Celts. They believed that while the spirits might cause sickness or spoilage of their crops, they also made it easier for their religious leaders to see the future.

To appease the spirits, masks were worn and huge bonfires held which contained sacrifices of crops or animals. The fires attracted insects, which in turn attracted bats – still a part of traditional Halloween imagery today. The festival also included a huge feast to celebrate the successful harvest. After the festivities, everyone carried a torch back to their home which was lit from the sacred ceremonial bonfire and used it to re-light their hearth. This was believed to offer protection and prosperity throughout the winter.

After the Romans conquered the Celts, other influences combined with Samhain that began shaping it into the holiday it is today. The Romans celebrated a day in late October called Feralia, at which time they honored their dead. Also included is a holiday celebrating Pomona, the Roman goddess of fruits and trees. Pomona’s symbol was the apple, and this is still seen in the modern day tradition of bobbing for apples.

As time went on, Christianity began to take root in these areas. Pope Boniface IV instituted All Saints’ Day on November 1, a day set aside to honor saints and martyrs. It is believed that he hoped this holy holiday would take the place of the pagan traditions still being practiced throughout the Holy Roman Empire. However, that was not to be the case. The name “Halloween” actually means “All Hallows’ Eve”, or the evening before the holy day. Instead of completely replacing the pagan traditions, All Saints’ Day only added another facet in the making of modern-day Halloween.

Halloween Today

Most American families celebrate Halloween by dressing up in costumes, attending parties, going to Haunted Houses, and carving pumpkins or gourds into jack-o-lanterns. Many choose to decorate their homes in dark, spooky fashion with props like fake spider webs, bones, and ghouls.

Trick-or-treating may be the most popular way to celebrate the holiday. Kids and adults dress up in character and go door to door exclaiming “Trick or Treat!”. This customary phrase implies that if the homeowner does not give a treat to their guest, a trick may follow. Of course, in the rare event that a child leaves empty handed, he or she rarely makes good on this promise. However, instances of criminal mischief on Halloween night are not uncommon in many areas.



From the Great Lakes Division Director



Dale, WA8EFK
ARRL Great Lakes Division Director



Greetings, welcome to "Dale's Tales" for October 2022

The position of ARRL Section Manager (SM) is truly the one I found to be the most interesting, exciting and rewarding. I was able to select excellent people to serve in the various leadership positions in my Section, and give them the full opportunity to succeed in developing and growing their programs. Each of could innovate, collect the best ideas from our fellow Section leaders and apply them locally. It also gave me personally some great lessons-learned when something bombed out and didn't work as expected, but those experiences are the very best opportunities for learning.

With the Section Manager job now about 10 years behind me, I still maintain it to be the most rewarding leadership position in ARRL. That being said, the following paragraphs are directed to our fellow hams in the Kentucky Section:

As our Kentucky Section is currently without a Section Manger and the normal election cycle for that position has started, the door is open for all qualified candidates to place their name into the ARRL election process. This affords a fair and equitable position for every potential candidate as there is no advantage given to an incumbent office holder.

For Section Manager terms beginning April 1, as is Kentucky: 1st notice; October QST, (It is already out). 2nd notice; November QST. Closing date for nominations; the Friday PRIOR or CORRESPONDING to December 10, at 4 PM. Ballots are mailed January 2. Deadline for returns; the Friday PRIOR or CORRESPONDING to February 20, at 4 PM, and are counted the following Tuesday.

Interested persons may visit <https://www.arrl.org/section-terms-nomination-information> for the complete details and application material.

From the Great Lakes Division Vice Director



Scott, N8SY
ARRL Great Lakes Division Vice Director



Scott's Notes for October 2022

Wow! Are you ready for fall??? It looks and feels like fall around here for sure. I've seen the pumpkin spice latte coffees, pumpkin spice cookies and even some pumpkin spice liqueur on the shelves lately. But I do have to say, I walked into a Lowe's the other day, and they are all decked out for Christmas!! Now that's going a bit too far for me. We do need to get Halloween and Thanksgiving out of the way first!

Shifting gears... I've got a new item to tell you about from our EC&FS Committee, this time it affects all ARRL Affiliated Clubs. In the past your annual club update to the ARRL was always due no later than your anniversary date. If you are a **Special Service Club** the same held true, but it only renewed once every 2 years, making it all that much harder for everyone to remember when to update their records. So, in order to make things easier to do and to remember, all ARRL Affiliated Clubs will renew their Annual Report on January 01 of each year, starting in 2023, thus eliminating the need to remember the anniversary date. It will just come due by the first of each year. Now, to make it easier for the Special Service Clubs on their renewal we did the same thing. The renewal date will be on January 01 of each year. Since SSCs were originally a 2-year renewal, we changed that as well. It's now going to be a 1-year renewal starting on



January 01, 2024. To make it even easier for clubs to update their records, the forms to update your club records are getting a makeover so that they will be much easier to complete as well. If things go as planned, (keep your fingers crossed) they will also automatically email you once you've completed the forms to let you know that they have gotten submitted!



Shifting gears again... This past month was a very busy month for me. I not only went out and visited with some clubs, but I also got to a number of hamfests as well, including one in Kentucky! I did get to spend some time in Newington this month as well. I was one of the presenters at the latest Section Manager Workshop. This is a mandatory class for all new Section Managers and there were 22 of them there this time around. The reason for so many is that they really hadn't done any in-person training since before 2020. So, this was the largest class of Section Managers ever to go through this training. My portion of this was to present them with "*What does it take to be a successful Section Manager*". I had a blast going over all the various items that a Section Manager is responsible for. YES, Les and Tom were both in my class! It wasn't all classroom material either, in the afternoon we did get to play a little at Headquarters, getting a brief tour of the main facility as well as visiting (operating) W1AW. It was a great weekend and I do believe that many of the new Section Managers had a notebook full of ideas that they might try in their Section. Watch out for things to come, I know that Les and Tom both took a lot of notes! Want to see some of the pictures from the Workshop? Go to: http://arrl-ohio.org/sm_training_2022/

QST's newest column, "*Club Station*" is a space for clubs to share their practical ideas about what has helped lead them to their success. If your club has developed a creative way to get around common challenges, the ARRL wants to hear from you! They have published author guidelines that are geared toward "*Club Station*". Want more information on

how to submit an article? Go to: <https://www.arrl.org/qst-club-station-guidelines-and-profile-form>. All clubs are welcome to participate. Also, have you noticed in the ARRL ARES® E-Newsletter that they are now

publishing news from many of the Section Emergency Coordinators from around the country? Got an interesting ARES® news story? Send it to: Rick Palm, K1CE at k1ce@arrl.net

As I hope you can see, we ARE moving in a positive direction! It sometimes takes longer than we'd like, but we are listening to you and are working very hard every day to try to make things better for not only the Field Appointees, but you, the member as well!

Okay, that is going to do it from here this month. Stay safe and "**Catch Me On The Air, at a meeting or hamfest!!!!**" But most of all.... **Have FUN!!!!**

From the ARRL Ohio Section Manager



Tom, WB8LCD
ARRL Ohio Section Manager



Tom's Notes for October 2022

Earlier this summer there was an election for the OHIO Section Manager. As the incumbent, I ran unopposed, and was elected to a new, two-year term beginning October 1st, 2022. No campaigning, no speeches, no fanfare. I had written a short item that would have gone out with the ballots, had that been necessary, but it did not. I do want to share that with you here:

I am running for re-election to the position of Ohio Section Manager. I am running because I believe that Amateur Radio is the Greatest Hobby In The World and because I support the mission of, and the activities of the ARRL.

As Ohio Section Manager, I have three goals: to help all hams in the Ohio Section have Fun with and get the most out of the hobby; to increase the membership of the ARRL within the Ohio Section; and, to promote Amateur Radio to the general population of the Ohio Section. Together they have the potential to bring us more growth and visibility in our communities than any one alone could achieve.

Each of these three goals can be achieved by active and growing clubs in the Ohio Section. I will support Ohio Section Clubs by helping each individual club with meeting ideas and activities to get their membership involved and having fun. I will help clubs establish ways to promote their clubs and activities in their community. When the members of a community see their friends and neighbors having fun, serving their community and learning about cutting edge science and technology, some of them will be intrigued with the "magic of radio" just as all of us have, and they'll want to know more about what we do.

I have been an active ham radio operator since 1968, when I got my Novice license at age 14. Today I hold an Extra class license and I'm still intrigued with the "magic of radio" and there are many more areas of the hobby that I would like to try. I've had a lot of fun along the way, and I'd like to share that with as many of you as possible.

73,
Thomas R Sly WB8LCD
Ohio Section Manager

I think it's important that you know, I did not run for re-election as a "place-holder" for the position. I will continue to be active as a Ham, and as helpful to all of you, that I can be.

I'm guessing that everyone of you, before you became a Ham, saw what was going on and said to yourself

“Wow! That looks like fun. I wish I could do that!” You and I might define fun differently, but we all had that thought and took the steps necessary to become a Ham. It’s important that you keep that attitude. Once it ceases to be fun, then you just become another old curmudgeon that’s lost his way and has to drain the fun out of everyone else that you come in contact with. We can’t grow that way.

Right now, you are living in the “Golden Age” of Amateur Radio. We’re moving up the charts on Cycle 25 (Sunspot Cycle) and this has all the makings of a really good one! Add to that all the changes and advancements in technology and there’s a whole bunch of really cool ways to participate and have a ball! Now, if you aren’t living with PASSION in your life, you sit down and watch TV or partake only in passive activities, then YOU are the problem! You have to get up and DO Something! And when you do, you’ll rediscover the fun and magic of radio. And with a little practice and learning, you’ll become an AWESOME Amateur Radio Operator! And that’s infectious. When other people see how much Fun you’re having, and how much you’re learning about and harnessing Science and Technology – they’ll want to be a part of what you’re involved in. Remember – people will do what you do, not what you tell them to do. So be a good example.

I’m dismayed that only about 20% of hams belong to the ARRL. I’m not going to go into a deep dive of everything the ARRL does for us here, but I will tell you, without the ARRL we don’t have our hobby. If you are a Ham, and you want our hobby to continue, you have to support ARRL! Instead of getting all caught up in one little issue, you really need to take a wide-angle view of Amateur Radio, not only in the US, but worldwide. ARRL has not been vocal enough about everything they do for the benefit of *all* licensed operators. You’ll be hearing more about that as we move forward.

Finally, when we’re active in our hobby – having fun – the folks in our communities will have to take notice of all we’re doing and all the fun we’re having. When the ARRL is supported both in numbers of membership and numbers of \$\$\$ then they will have the ability to expand on all that they do for the benefit of the hobby and the individual members. When the people in our communities see us and know us, some of them will be intrigued enough to want to join us! If we want to keep the hobby moving forward, then we all have a part in accomplishing it.

So, only about 20% of hams are ARRL members, and less than ¼ of 1 percent of the US population are Hams, increasing those numbers should not be overly difficult. If we could convince just ¼ of 1 percent of the population to join us, then our numbers would double! The FCC, FEMA, Congress, the military, your local EMA, schools and colleges would all take notice! If at the same time the 20% of hams who are ARRL members grew to 40%, then ARRL membership would grow from approximately 170,000 to approximately 600,000. Wow! If we think we can, at the very least we’ll be moving the ball forward. If we think we can’t, we won’t.

I’ve shared these words of Winston Churchill before, and I’ll share them here now: “It’s not always good enough to do your best, sometimes it’s necessary to do what is required”. So now the balls in your court (and mine). At the end of the day we have to decide what we want and what we’re satisfied with:

1) a “participation” trophy; or 2) the satisfaction of achievement and knowing we were a part of something bigger than ourselves. Choose wisely.



Jamboree On The Air - October 14-16th

Jamboree On The Air

The 64th Annual Jamboree On The Air will be held on October 14-16, 2022. Jamboree-on-the-Air, or JOTA, is the largest Scouting event in the world. It is held annually on the third full weekend in October. JOTA uses amateur radio to link Scouts and hams around the world, around the nation, and in your community. This jamboree requires no travel other than to a nearby amateur radio operator's ham shack. Many times you can find the hams will come to you by setting up a station at your Scout camporee, at the park down the block, or perhaps at a ham shack already set up at your council's camp.



To find registered JOTA stations in your area, visit <https://k2bsa.net/registered-jamboree-on-the-air-stations>. If you or your local club is planning a JOTA operation, you can register it at <https://k2bsa.net/jota-station-registration>.

Vote for QST Article, Please

Amy, N8AMY



A friend and local Ohio ham, Josh Reichard, K8KJR wrote a great article for QST highlighting the STEM camp he set up at the school where he works, Valley Christian Schools in Youngstown.

He is very dedicated to teaching students about amateur radio and at camp he had them making satellite contacts! (Please read article). I think it would be awesome to promote this article by having PCARS members and Ohio Section Hams voting for the QST Cover Plaque Award.

Dr. Joshua Reichard, K8KJR

Please following these instructions to vote for Josh's QST article about the STEM camp **deadline to vote is Oct 21st**:

- Go to: www.Arri.org & Login to your account.
- On the right side go to the section: **MEMBER QUICK LINKS** & Click on **QST**
- Scroll down to go to the section titled: **Vote for Your Favorite Article** & click on **Go Now**
- In the section: **QST Cover Plaque Award** click on: **Students Experience Amateur Radio in a Hands-On STEM Camp, Joshua Reichard, K8KJR** then click **SUBMIT**

THANK YOU FOR SUPPORTING OUR LOCAL FRIEND JOSH!



PCARS VE Testing Information & News

Tom, KB8UUZ
PCARS VE Team Liaison



We will have a VE Test Session December 3rd at the club site starting at 10 am.

Masks are encouraged.

Future Dates: December 3rd

***** 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. **WALK-INS will be accepted.**

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"
- **Under 18 years old?** 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.**
- **Under 18? 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 still encouraged.*
- 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

Candidates **younger than 18-years old will pay a reduced exam session fee of \$5** to the ARRL VEC VE team when taking an exam. Proper identification must be presented to and verified by the team, per the procedures for all exam candidates (what to bring to an exam session). The \$5 fee is for all candidates under the age of 18 regardless of the exam level taken.

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/core/>

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 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.

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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 **COMmission REgistration System (CORES)** 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>)

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

INFORMATION ABOUT THE FCC APPLICATION FEE AND VEC FILED APPLICATIONS

It's been three months since 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 immediately.

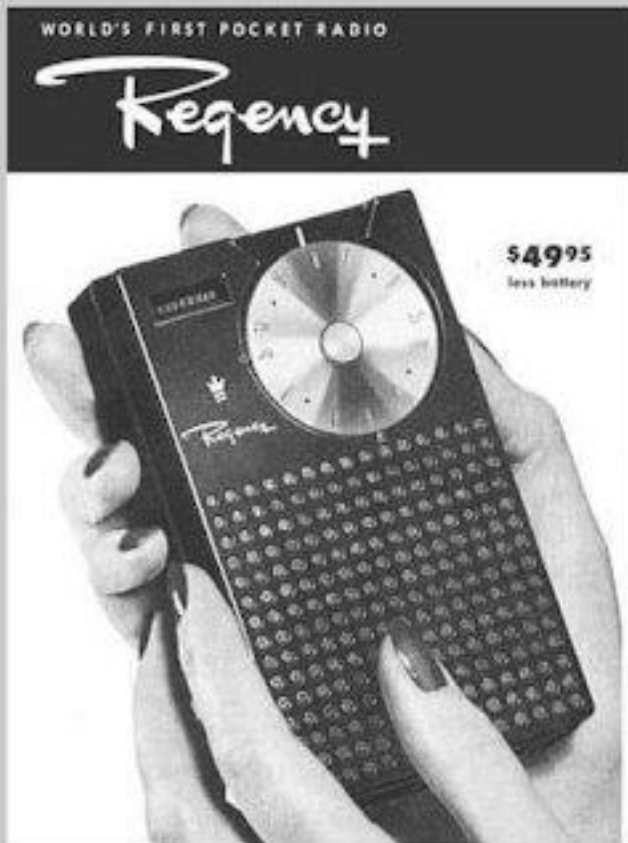
5. When in doubt, call the VEC! Even if you think you shouldn't bother us with your question, call us anyway.

On This Date In Amateur Radio History



October 18, 1954 First Transistor Radio is Announced

Texas Instruments (TI) announced plans for the Regency TR-1, the first transistor radio to be commercially sold, on October 18, 1954. The move was a major one in tech history that would help propel transistors into mainstream use and also give new definition to portable electronics.





Tom, KB8UUZ
OSPOTA Chairman



Hello OSPOTA fans and participants,

The 2022 **Ohio State Parks On The Air** contest (OSPOTA) is history - on September 10th many of you made the trip to one of the beautiful Ohio State Parks to set up and get on the air. We were listening for you! Plus other hams from around the USA were also tuning in to catch the OSPOTA Park Stations that were on the air. So far, all seems to have gone really well.

OSPOTA 2022

The weather was perfect - no rain and not cold. If you have not sent in your photos and stories, please do so as soon as you can so they are included in the final OSPOTA results article. Send your inputs to logs@ospota.org

There are over 105 entries sent in and the log and summary sheet verifications have been started. The OSPOTA Contest Committee hopes to have all the results tallied, checked and finalized by the end of October to be published in the November issue of this newsletter. **Stay Tuned !!**



Ohio State Parks



On The Air



Rambling with WG8X



John, WG8X



POTA Field Trip and Picnic coming on Oct 15th

We have another POTA-themed field trip coming this month. POTA (Parks On The Air) runs a “Support Your Parks”(SYP) weekend 4 times a year, January, March, July, and October, The July event is the biggie, when plaques are handed out in several categories (most contacts, most parks activated, etc). The October SYP (October 15/16) event is just as big, but without the plaques.

On October 15th, members of PCARS’ Portable Operations Special Interest Group will be at the Marina pavilion at Punderson State Park. Everyone is welcome to attend. We’ll have multiple stations (including K8BF) on the air handing out POTA park number K-1985, on multiple bands and modes from 10 AM to 4 PM.

If the promise of getting on the air for a POTA activation isn’t enough for you, how about food? Chef Brandon, KE8ARB will be cooking burgers & brats. We’ll be eating around 1 PM. Please bring a covered dish, and let me know if you are coming, so we know how many to plan for. My e-mail is John@wg8x.net

We are covering condiments, plates, utensils, water, etc.

There’s more information available on the flyer on page 36 and at <https://portcars.org/files/PUN-POTA-OCT15-22-Flier.pdf>

Center of Hope Donations



November is coming soon and it is a very important month for PCARS, and it's a very important month for **you** to show up at our meeting **November 14th** !

Three items come to mind as to why:

- 1-** It's the perfect time to pay your dues for the coming year!
- 2 - It's our annual election of officers, and**
- 3 - It's our annual 50/50 to benefit the Center of Hope in Ravenna.**

You know why you need to pay your dues, you know why our election of officers is so important to the continued success of PCARS! Our annual donation to the Center of Hope is important, not only to the Center of Hope, but to the Portage County Community at large, and specifically to PCARS.

In the early years of PCARS, before our own club site space existed, many PCARS functions and events were held at the old Center of Hope on W. Main St. in Ravenna. (The Center of Hope is one of the programs of F&CS). We even had a few of our clubs monthly meetings there. Early on we decided that in November, all of the clubs portion of the 50/50 raffle would be donated to the Center of Hope as a "thank you" for the assistance they had given PCARS for the use of the space, and later on for the generous opportunity to have space in the former ODOT facility. Our donation has grown from a few hundred dollars to **\$10,471.76 last year!** Probably one of the largest single donations that The Center of Hope receives over the course of a year.

We want to continue that upward trend as long as we can! We have an outstanding club facility that we can all be proud of, and that we should all be thankful for. There are 3 ways you can help us. **First**, come to the meeting and buy LOTS of 50/50 tickets - you can also buy them on-line at the PCARS web site! The half of the 50/50 that would normally go to PCARS is given to the Center of Hope donation. **Second**, make a personal donation to the Center of Hope. Dig deep on this, give what you can to help someone in your community have a better holiday season this year. **Lastly**, don't be afraid to ask your friends, neighbors, employers, employees, and anyone else you come in contact with to help you support this very worthwhile endeavor. They can say "yes" or they can say "no", but if you don't ask them, there's no way to get to "yes", and that doesn't help anyone!

Here are a few things you should know about the Center of Hope:

- The Amelia DiGirolamo Center of Hope is dedicated to enhancing the nutrition of low-income people in Portage County where local food pantries are not present. Hot meals are offered at no cost five days a week and are typically served to between 75-100 individuals each day. Groceries are available monthly through the Christian Cupboard. Opportunities for socialization, cooking classes and referral services are also offered.
- Out of every \$1.00 donated, 94 cents goes toward direct service to their clientele. That puts the Center of Hope at the very top of the scale for percentage of funds that actually reach their intended target! There are over 100,000 individuals who receive service through the Center of Hope each year.

We are the Portage County Amateur Radio Service. This is one more way that our community benefits from our organization.

Please bring all of your donations, including those you collect from others, to the meeting with you on Monday, November 14th.**

When making your donation, please make checks payable to 'The Center of Hope'. By doing this PCARS does not need to report your donations as income. You will receive a charitable donation receipt directly from the Center of Hope. (If you collect any donations from friends, relatives, etc., the same applies to them) All donations are aggregated to the PCARS donation, even though the individual donor is given credit for it.

**** If you are not able to make the PCARS meeting but you would still like to help us support the Center of Hope, please check the PCARS web site - you can donate on-line through PayPal**



Happy Birthday PCARS Members

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

KE8SXI	Pete
KE8UKK	Mark
W3MLS	Michelle
N8WCP	Mike
KD8IUA	Michael
WG8X	John
W8NET	Gene
KE8EGF	Paul
KD8MLE	Jonathan
WA8SAJ	Jeff

KE8VS	Vern
WA8AR	Tony
W8GWI	David
K8AAB	Bob
W8DMH	Dennis
K8CAV	Rick
KC8RKD	James
KD8WHA	Aaron
K8DER	Donald
K8BF	PCARS

Happy Birthday
Here's your IKEA cake



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





Hurricane Watch Net Update for Ian

09/29/2022

The Hurricane Watch Net (HWN) has been in operation since the morning of September 27, 2022, as Hurricane Ian swept across Cuba and headed toward Florida's Gulf Coast. The HWN continues to operate on both 14.325 and 7.268 MHz as propagation permits. The 20-meter net resumed at 8:00 AM Eastern Time on Thursday, September 29, and will continue until further discussion and conditions warrant closing-down the net.

At 5 AM EDT on Thursday, the National Hurricane Center (NHC) reported that Ian is now a tropical storm located 40 miles southeast of Orlando, Florida, with maximum sustained winds of 65 mph. Ian is moving toward the northeast near 8 mph, and is still expected to produce strong winds, heavy rains, and storm surge across portions of Florida, Georgia, and the Carolinas. "On the forecast track, the center of Ian is expected to move off the east-central coast of Florida later today and then approach the coast of South Carolina on Friday. The center will move farther inland across the Carolinas Friday night and Saturday," included the report.

As the storm moves toward the Atlantic, and then back into the coastal states, the focus of the HWN will change to receiving damage reports for the National Hurricane Center, handling messages for Emergency Operation Centers, and other agencies. The HWN will also assist Salvation Army SATERN Net partners to move health and welfare communications traffic out of the affected areas.



"We appreciate the cooperation of amateur operators and nets in allowing us clear frequencies to make these important contacts as Florida and the southern states work to recover," said HWN Assistant Net Manager Stan Broadway, N8BHL.

The HWN disseminates the latest advisories issued by the National Hurricane Center in Miami, Florida. The net also obtains real-time ground-level weather conditions and initial damage assessments from amateur radio operators in the affected area and relays that information to the NHC by way of WX4NHC, and when required, the Canadian Hurricane Centre.

Amateur radio operators who want to monitor or participate in the hurricane nets should visit these two useful and informative links: [The Hurricane Watch Net - Useful Links](#) [VoIP Hurricane Net](#)

ARRL News previously reported that the Federal Communications Commission (FCC) granted an ARRL emergency request for a 60-day temporary waiver intended to facilitate amateur radio emergency communications for hurricane relief. The waiver was adopted on Tuesday, September 27, 2022, and immediately permitted amateur radio operators supporting amateur data transmission for Hurricane Ian traffic to employ a higher symbol rate for data transmissions than the current limit of 300 baud (read the complete story at <https://www.arrl.org/news/fcc-grants-an-arrrl-emergency-request-to-permit-higher-data-rate-transmissions-for-hurricane-relief-c>).



FREE: Cushcraft 2M 6 element A4496S. I'm fairly certain that's the model, it's a 6 element Yagi that can be mounted vertical or horizontal, but according to Cushcraft it is tuned for the FM part of 2 Meters. I have not tested it, but I don't think there is much to go wrong. I got it from a PCARS estate sale for not much money, and I'm more interested in the SSB part of 2m, so I think it's best to pass it on to someone who can use it. Available for pickup up at the club site in Ravenna during an event, or my house

Contact: David, KE8QEP at dwaugh@kent.edu or 330-603-8640 [12/22]

FOR SALE: Yaesu FT-2000 Transceiver with FH-2 Remote Control Keypad. Will come with original box, manual, & power cord, \$1200.00. **Heathkit SB-200 Amplifier** with newer 572B Tubes, \$500. **MFJ-976 1.5 KW Antenna Tuner,** \$400. **Ten Tec Century 21 Transceiver with Crystal Calibrator,** \$250. **Yaesu SP-767P Phone Patch/Speaker,** \$75. **MFJ-931 Artificial Ground,** \$100. **MFJ-4906S Duplexer 1.6 - 30 MHz & 50 - 54 MHz,** \$50. Time to cleanup my shack.

Contact: Bob, N8QE at rhajdak@aol.com [12/22]

FOR SALE: Palstar LA-1K solid-state amplifier with **Palstar HF-Auto** tuner-\$4500, **Collins S-Line 75S-3C** receiver 32S-3A transmitter 312B-4 speaker console, 516F-2 P.S. loaded with extras - \$3500, **Swan 600 Custom receiver & 600T transmitter (rare)** loaded with extras - \$1500, **Heathkit Mohican GC-1A** first solid-state SWL receiver loaded with extras - \$450, **Palstar R-30A** SWL receiver with extras - \$450, **Grundig 700** SWL portable receiver extras -\$250, **QRP A.M. Transceiver** for 75 / 80 meters Class-E modulation ! - \$100, **RIGOL DM3068 DVM** - \$450, **Palstar SP-30H (black)** - \$150, **Palstar SP-30B (cherry)** - \$75

Contact: Jeff, WA8SAJ by home phone at (440) 951-6406 [12/22]

FREE to the First Caller: 10.8V/440mAh Battery for a Toshiba Lap top computer. Replaces: PA3399U-1BAS, PA3399U-1BRS, PA3399U-2BRS

Contact: Joe, W8KNO at 330-569-7718 [11/22]

FOR SALE: ICOM IC-7300: 100 Watt HF + 6 Meter transceiver, manual, hand microphone, **Heil AD-1-IC** headset adapter (adapter only), **MB-118 Mobile Mounting Brackets** (Brand New - never installed - radio has never been used mobile), **EAntenna dust cover**, Power cable fitted with Powerpole connectors. Pristine condition - with original factory box, Low hours. Local sale only (no shipping) \$900 **Yaesu FT1000MP HF Transceiver**, fully operational, manual, microphone, optional roofing filter & other optional CW and SSB IF filters installed. Local sale only,(no shipping). \$600

Contact - George, K3GP cell 330-495-9123 or email rttyfan@gmail.com [10/22]

FOR SALE: M2 KT36XA 6 element (on the ground) **BIG BOOM 10,15,20 Tri-Band** \$1400.00 **Cushcraft 12, 17 meter dual-band beam antenna** \$125 Will look at HF rigs as part trade ICOM 7600, ICOM 9700, ICOM 7610, ICOM 7300, or other newer HF rigs - LETS TALK. Stop and look at them - items should be on the ground Tuesday July 26th.

Moving is reason for selling. Going to miss the groups here in Ohio

Contact Richard, KA8OAT at 330-506-7068 [10/22]

FOR SALE: ICOM IC-208H 50W Mobile FM transceiver 2m/440 dual band with Larsen trunk lip mount antenna, \$200. **ICOM IC-91A HT** 5W 2m/440 dual band, \$150. **YAESU VX-150 HT** 5W 2m with extra battery pack, \$80.

Contact info on PCARS roster, Bob NT8K [10/22]

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: [12/22] indicates the ad will run until the end of December 2022.

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.

10/30/2022 - Massillon Hamfest - Location: Military Air Preservation Hangar (MAPS) - 2260 International Parkway - Green, OH 44232 - Website: <http://w8np.org> - Sponsor: Massillon Amateur Radio Club - Talk-In: 147.180 - 110.9 - Public Contact: Perry Ballinger, W8AU - 2468 Bellevue Ave SW Massillon, OH 44647 - Phone: 330-705-8449 - Email: w8au@ssnet.com

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!!



2022 PA QSO PARTY - <https://paqso.org/>

I bet you will hear **John, WG8X** in PA !!!



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.*

We could use another net control volunteer always looking for some help. It is good training and not that hard, please let me know.

October	
6	WB2DFC
13	N8WCP
20	KA8TOA
27	KE8BWA

November	
3	N8WCP
10	K8YLK
17	N8QE
24	No Net

December	
1	KA8TOA
8	WB8LCD
22	KA8TOA
29	K8YLK

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

Flex Net

Rick, K8CAV
Flex Net Coordinator



Wednesday October 12th at 8:00 PM

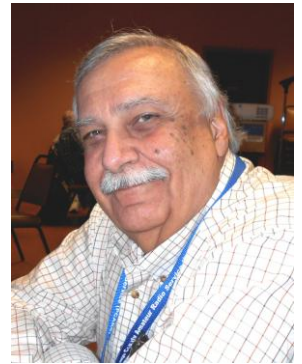
The PCARS Flex Net will be meeting on Wednesday October 12th at 8:00 PM. The net will open on 20 meters digital using the Olivia 8-500 mode on 14.130 MHz. Set your radio's dial frequency to 14.130 MHz USB, and set the cursor on your fldigi waterfall to 1500 Hz.

As this will be a digital-only net, we will be making use of digital pro-signs and Q signals for more efficient operations. For a review of these and examples of digital-only net operations, check out the file Flex-Net-Digital-Operations.pdf in the Files tab of the PCARS groups.io site. This is a fun net and a great opportunity to make contacts for the PCARS A to Z award.



DX & Contesting Special Interest Group

Chuck, W8PT
DX & Contesting SIG Coordinator



Greetings PCARS DXers & Contesters:

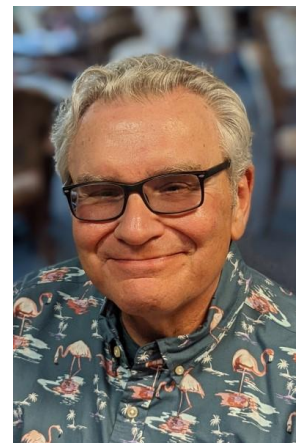
Just a short report on our September DX/Contest SIG meeting. We had a good turnout with 9 members attending either in person or by ZOOM.

The main topic of discussion was the California QSO Party which is held the first full weekend of October each year. This is one QSO Party which we have not only participated in for several years, but one in which K8BF traditionally does very, very well.

We have participated as a multi-multi and usually finish either on top or close to it each year. We are looking for that type of effort again this year. Of course, by the time you read this, it may already have taken place. In any event, I will be sure to let the club know how we did.

Antenna Special Interest Group

Bob, N8QE
Digital SIG Coordinator



Tuesday October 18th at 7:00 PM

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 projects with the group.

Last month we discussed the various antennas used for the PCARS Flex Net on 10 Meters. This month we will be reviewing VHF Vertical versus Horizontal antennas, and which to use for the various modes.

The next meeting of the PCARS Antenna Special Interest Group will be held October 18, 2022 at 7:00 PM. We will be in-person at the PCARS club site and on Zoom.

Join Zoom Meeting

<https://us02web.zoom.us/j/87220356586?pwd=czgvlzRcPjVBT2hPSkVIZU1VaU84Zz09>

Meeting ID: 872 2035 6586
Passcode: PCARS2022



Portable Ops Special Interest Group

John, WG8X
Portable Ops SIG Coordinator



Our Portable ops Sig this month is on October 11th; a couple days after the PA QSO Party.

The PAQP is a contest that has been near & dear to my heart for almost 40 years. I've usually participated as a portable entry.

We'll be talking about our Support Your Parks event to Punderson SP which will be coming up on Oct. 15th. There's more information, and a flyer in this issue of the Radiogram.

Do you have a QSL card that you send out for special occasions? I'm curious to see it. I'm thinking about designing a custom card that can be personalized with my park name & number. We're also open for subjects for upcoming SIG sessions. Please let me know if you have an idea. So make sure to come out for the SIG this month either in person, or via Zoom.

We'll be meeting on October 11th, at 7PM in person at the club site (705 Oakwood St, Ravenna) or via Zoom at: <https://us02web.zoom.us/j/89732195744?pwd=cldtZmxMcmFqQndhQWtJN0s2NUNnUT09>

Meeting ID: 897 3219 5744
Passcode: PCARS2022

Hope to see you there.

Digital Special Interest Group

Rick, K8CAV
Digital SIG Coordinator



The PCARS Digital Special Interest Group will be meeting on Tuesday October 4th at 7:00 PM at the club site in Ravenna. It will also be broadcast on Zoom using the following link:

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

Meeting ID: 883 5509 4567
Passcode: PCARS2022

This month, Bob, N8QE and Ken, WA8LRW will be doing a presentation on FT8 and FT4 that will include both the basics, and more extensive information on these modes.

Time permitting we will also be available to help with any questions or problems you may need answered regarding digital communications over radio. I hope to see you there.



CFARC On-Line Tech Class

Cuyahoga Falls ARC Online Tech License Classes Start Oct 9th

The Cuyahoga Falls ARC will be sponsoring Technician and General Licensing Classes this fall and winter. The Tech class starts on Oct 9 and will run for six weeks. Time is 1:30 to 4:00 PM, and the classes will be held online via Zoom and Google Classroom. For more information, you can visit tiny.cc/beaham.

I know what you are thinking “Why would I be reading this if I didn’t already have my Tech License!” That’s partially true; we are running this article because

we need
your help.
Potential

Hams do not know about licensing classes or how Amateur Radio Licensing works. So we need you to find potential new Hams and let them know about the class.

Here are some suggestions on how to do this:

1. **Tell someone-** give them this link - tiny.cc/beaham (email it to them, print it out, text it to them, call them on the phone, send it in a letter or card, attach it to a small gift or snack, etc.) and if they ask, “What is Amateur Radio?” give them this link tiny.cc/wiar.

a. Do you have a spouse, child, parent, or another family member interested in getting started in Amateur Radio?

b. Do you have friends or neighbors interested in getting started in Amateur Radio?

c. Do you have co-workers interested in getting started in Amateur Radio?

2. **Do you have a place to put up a flyer** (work, school, library, restaurant, store, etc.)? Here are links to two printable flyers: [Flyer A](#) & [Flyer B](#)

This year we will be working in conjunction with the [M.O.R.E. Project](#). This will mean that students who complete the class and pass the license exam will be eligible to receive a GOTA (Get On The Air) package of free equipment, including a VHF/UHF HT and a SDR (Software Defined Receiver).

Because we draw attendees from around the country, we always recommend they join a local radio club in their area. If you recommend this class to someone, please let them know about your local club so they can find mentors in their area.



WHY YOU SHOULD GIVE AMATEUR RADIO A TRY

- Make Global Connections**
Meet great people all over the world, from every walk of life and every generation. Over 2 million smart and inspiring people are on the amateur airwaves and eager to talk to you!
- Get Involved in Public Service**
Community events, such as parades and road races, require radio communications along their routes for logistic support, scoring, and first aid.
- Explore Technology**
Discover how radio works by building projects and experimenting. Build a simple radio receiver and make a wire antenna to listen for far-away signals.
- Compete & Win**
From “foxhunting” for hidden radio signals to on-the-air contests for awards, amateur radio offers many challenging & fun ways to compete.
- Make a Difference**
When cell phones, the internet, and other systems are down, amateur radio still gets the message out. It is a vital service that can save lives when regular communication systems fail.
- Expand Your World**
Talk through satellites and with astronauts on board the International Space Station
- Get Creative**
Design, build, and test your gear, whether from scratch or a kit. Challenge yourself to make a one-of-a-kind electronic project.
- Develop New Skills**
Don't be afraid to try new things and learn new skills. Through amateur radio, you can develop communication skills to improve your career, friendships, and life!

What is Amateur Radio?

Amateur Radio (ham radio) is a popular hobby and service that brings people, electronics, and communication together. You can use ham radio to talk across town, around the world, or even into space, all without the internet or cell phones. It's fun, social, educational, and can be a lifeline during times of need.

Who are Hams?

There's no one type of person who becomes a “ham”—from doctors to students to celebrities, all ages and life-styles are linked by their interest in wireless communications and technology.

Get Started — Get Licensed!

There are three classes of amateur radio licenses in the US—Technician, General, and Amateur Extra, each with increasing privilege. The Technician-class license is the entry-level license and requires passing an exam with 35 questions on radio theory, regulations, and operating practices.

With this license, you can communicate locally and often throughout North America. It also allows for some limited privileges on the HF (also called “shortwave”) bands used for international communications.

Free Online Class to get your Technician License.

Six Week Live Online Class-

Sundays, Oct 9 to Nov 13, 1:30 to 4:00 PM

Cuyahoga Falls Amateur Radio Club- www.cfarc.org

For more info, visit tiny.cc/beaham

or scan the QR Code

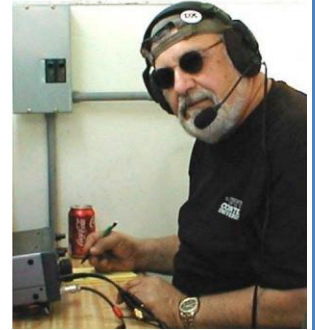


Ohio QSO Party Photos



Charlie the Tuner's HF High-Lites

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



Greetings DXers

Charlie the Tuner's DX High-Lites – October 2022

Well, it's not the great white north yet, but as I write this, it's only 49 degrees outside. Didn't we just have a 90 degree day? I'm sure that we will have many more nice days before the awful white stuff starts to fly. Hopefully, those of you who have amateur projects outside or honey dos, will get them completed soon. The Canada geese are circling as we speak!

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, the AB5K's AR Cluster Networks, NJ1Q & W1AW, NG3K & ADXO, W3UR & The Daily DX, W4VQ, W5JON, K8YSE, W8GEX & 60m DX News, W8KL, CT1DSV, DL1SBF, DL5ON & The DX News Letter, DXNews.com, DX-World.Net, F6AJA & Les Nouvelles DX, I1JQJ/IK1ADH & 425 DX News, JI3DST, OH2BH, OK6DJ, Sixitalia Weekly, and VA3RJ & ICPO 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.

Reminders...

4M5, VENZAUELA (Special Event). Members of the Radio Club Venezolano Casa Regional San Antonio de los Altos will be active with the special callsign 4M5MAG from San Antonio de los Altos Miranda between September 1st and December 31st, during the International Radio Marathon 2022. Activity will be on 160/80/40/20/15/10/6 meters using CW, SSB and FT8. QSL via LoTW, ClubLog or eQSL.

PF01, THE NETHERLANDS (Special Event Reminder). Frans, PC2F, will be active as PF01MAX during each racing weekend until November 20th, during the Formula 1 2022 season. A detailed schedules is available on QRZ.com. QSL via PC2F, direct, by the Bureau, eQSL or LoTW.

VK90, AUSTRALIA (Special Event Reminder). Look for special event station VK90ABC to be active throughout 2022 to celebrate the 90th anniversary of Australia's national broadcaster, the Australian Broadcasting Corporation (ABC). During 2022, amateurs from across Australia will be using this special event call- sign to make contacts with other amateur radio operators across Australia and around the world.. For more information visit (<http://www.vk90abc.net>). PLEASE NOTE their QSL policy. NO DIRECT QSL. NO BUREAU QSL. QSL only via LoTW and eQSL (Logs uploaded monthly).

October...

3B9, RODRIGUES ISLAND. It was mentioned that Kazu, M0CFW (JK3GAD), will be active from Rodrigues Island (AF-017) probably for the CQWW DX SSB Contest (October 29-30th). No other details were mentioned.

5R, MADAGASCAR. Operators Ron/PA3EWP, Guenter/DL2AWG, Erno/DK2AMM and Gerben/PG5M will be active as 5R8WP, 5R8WG, 5R8MM and 5R8CG, respectively, from Nosy Be Island (AF-057), Madagascar, between October 11-22nd. They will operate with two stations simultaneously and on CW, SSB, RTTY and FT8. Each station consists of an Elecraft K3 with SPE Expert 1.3K-FA amplifier. The spare radios are SunSDR2 PRO and IC7300. The antennas will be Hexbeam for 20-6m, DX Commander for 40-10m, 30m vertical with elevated radials, a 80m vertical and 160m vertical. Depending on internet availability, they will update their records on ClubLog daily. QSL 5R8WP, 5R8WG and 5R8MM via DL2AWG, ClubLog and LoTW (later). QSL 5R8CG via PG5M, ClubLog and LoTW (later).

8Q, MALDIVES. Gianpi, IK1TTD, will be active as 8Q7TD from Fasmendhoo Island, Maldiv Islands (AS-013), between October 2-17th. Activity is to commemorate his 25th wedding anniversary. Activity will be on 20 meters using Icom IC-7300, Rybacoov vertical antenna and an End-fed antenna. QSL via his home callsign, direct, by the Bureau or LoTW.

D6, COMOROS (Update). Members of the F6KOP Radio Club will be active as D60AE from Comoros Islands (AF-007) between October 5-17th. Current list of operators now mentioned are Frank/F4AJQ (Team Leader), Jean-Luc/F1ULQ/ AK8DX (Co-leader),

Patrick/F2DX, Damien/F4AZF, Bruno/F5AGB, Xavier/F5NTZ, Julien/F8AVK, Philippe/F8EFU, Misho/F8GGV, Andreas/DL3GA/AB8AY, Jeremy/EI5GM, Dave/EI9FBB, Olivier/HB9GWJ, Eric/ON7RN and Kenneth/OZ1IKY. Pilot stations Thierry/F4TTR/CT2HXM and Manu/F8FKI. Activity will be on 160-10 meters using CW, SSB, RTTY, PSK and FT8. However, 6 meters and QO-100 satellite were NOT mentioned. Suggested frequencies are: CW - 1820.5, 3520, 7015, 10105, 14023, 18074, 21023, 24896 and 28023 kHz SSB - 3785, 7120/7075, 14145, 18150, 21280, 24960 and 28450 kHz RTTY - 3585, 7045, 10142, 14088, 18085, 21082, 24920 and 28080 kHz PSK - 3585, 7045, 10142, 14080, 18085, 21082, 24920 and 28080 kHz FT8 - 1843, 3570, 7060, 10142, 14090, 18090, 21085, 24920 and 28085 kHz (Split Only) CW: up 1-5 RTTY: up 1-10 SSB: up 5-15 FT8: F/H mode * On 160m, they will listen down for JA and up for others. * When working FT8, they will use Fox mode only, you'll have to setup hound to be able to work them. QSL via F5GSJ, direct, by the Bureau, LoTW or OQRS.

DR100, GERMANY (Special Event). Dieter "Magic", DF2SD, will be active as DR100RY to celebrate the 100th anniversary of Radio Teletype until December 31st. QSL via DF2SD, direct, by the Bureau, eQSL, ClubLog or LoTW.

JD1, OGASAWARA ISLANDS. Kou, JP1IHD, will be active using his newly acquired callsign JD1BQP from Chichijima, Ogasawara Islands (AS-031), between October 26th and November 3rd. Activity will be on various HF bands, and he will participate in the CQWW DX SSB Contest (October 29-30th). QSL via JP1IHD.

LY770, LITHUANIA. Kes, LY1CT, active as LY770CT from Klaipeda, the third largest Lithuanian city in terms of population and area located in Western Lithuania, until October 14th. Activity is to celebrate the 770th anniversary of the founding of the city of Klaipeda. Activity will be on 160m-70cm using CW, SSB, FM and the Digital modes. QSL via the Bureau, eQSL or LoTW.

P2, PAPUA NEW GUINEA (Update). Operators Ron/DG2RON, Olaf/DJ7TO, Werner/DJ9KH, Heye/DJ9RR, Rudolf/DK3CG, Frank/DL1KWK, Norbert/DL2RNS, Georg/DL4SVA, Christian/DL6KAC, Olaf/DL7JOM and Rolf/DL7VEE will be active as P29RO from Loloata Island (OC-240), in the Papua New Guinea's Coastal Island East IOTA Group, between October 25th and November 10th. Activity will be on 160-6 meters using CW, SSB, RTTY and FT8 (F/H). Suggested frequencies are: CW - 1822.5, 3528, 5354, 7002, 10102, 14028, 18086, 21028, 24906 and 28028 kHz SSB - 3805, 7092, 14210, 18120, 21275, 24955 and 28465 kHz RTTY - 7044, 10145, 14095, 18105 and 21095 kHz FT8(F/H) - 1836, 3567, 5356, 7056, 10131, 14090, 18095, 21090, 24911 and 28090 6m - 50105/CW, 50125/SSB and 50323 kHz QSL via DL4SVA, direct, by the Bureau, Club's OQRS and LoTW. LoTW will be activated 6 months after DXpedition

SV5, DODECANESE. Henry, DL2TM, is now active as SV5/DL2TM from Kos Island (EU-001). Length of stay is unknown. Activity is holiday style using a KX3-QRP-rig an simple balcony-antenna. See QRZ.com for pictures. QSL via LoTW.

SV5, DODECANESE. Sindre, LA6OP, will be active as SV5/LA6OP from the Island of Rhodes (EU-001) until October 9th. Activity will be holiday style on HF and VHF, all bands from

TM100, FRANCE (Special Event). To commemorate 100 years of the BBC (British Broadcasting Corporation), the special callsign TM100BBC will be on the air between October 10-24th. Operators mentioned are André/F5AQX (EME), Serge/F5SN (DMR C4FM), Marie/F5UAY (SSB), Laurent/F8FSC (all modes) and Michel/F8GGZ (CW). QSL Manager is Michel, F8GGZ (Only via Bureau or direct, with a Self-Addressed Envelope).

TT8, CHAD. Nicolas, F8FQX, is once again active as TT8SN from N'Djamena. He states on QRZ.com that he is currently only active on 10 and 6 meters using a 7 element Yagi on 6m and a 4 element Yagi on 10m. Look for him to add antennas for the other bands later. QSL via DL9USA or LoTW.

TX7, MARQUESAS ISLANDS (Update/French Polynesia - FO). As reported back in June, Didier, F6BCW, will be active as TX7G from the Atuona, Hiva Oa Island, Marquesas Islands (OC-027) between October 1-15th. Activity will be on 80-10 meters using CW, SSB and possibly FT8 and RTTY. He suggests to watch between 0300-0700z and 1500-1700z. He will also be active from French Polynesia before and after Marquesas as FO/F6BCW between September 26-30th, and October 16-20th. QSL both callsigns via F6BCW, direct, by the Bureau or ClubLog. NO LoTW.

TY5, BENIN (Update/Change). The Russian DXpedition Team (RUDXT) has announced that their next activation will be from Benin as TY0RU (not TY5RU) between October 14-27th. Their schedule is as follows: October 11th -- Two Team Members Fly Out to Check QTH for Interference October 13th -- Start of the expedition. The main part of the Team gathers in Moscow and flies to Benin October 14-26th -- Installation of working positions, start of work on the air October 27th -- QRT, folding positions, preparing for the team's relegation home This is the same group who activated 7P8RU, 7Q7RU, A25RU and E44RU.

V4, ST. KITTS AND NEVIS. Operators Matt/K4KIU and David/HC5DX will be active as V48DM from the V47JA rental station at Calypso Bay on Saint Kitts Island (NA-104), between October 25th and November 1st. Activity will be on 160-6 meters using CW and SSB. A significant amount of their total operating time will be during the CQWW SSB Contest (October 29-30th) as a All-Band entry, using a 2-element tribander for 20, 15 and 10 meters, a vertical for 160-10 meters and beam for 6 meters. They are working out the details of how QSLs will be managed. More to follow on that when it is available.

V5, NAMIBIA. Hanspeter, HB9BFM, will be active as V5/HB9BFM from "Farm Neuohof" near Gobabis, Namibia, until October 11th. Activity will mainly be digital on the OLIVIA mode. Suggested time are between 1600-1900z on 14072.5 kHz or 14105.5 to 14108.5 kHz. QSL via HB9BFM direct.

VP2M, MONTSERRAT. Operators Lee/K7NM (VP2MLB), Glenn/AC7ZN (VP2MZN), Mike/WA5POK (VP2MOK), YL

Cheryl/KM4TYV (VP2MYV), Larry/K5LDA (VP2MDA) and Cliff/KD6XH (VP2MXH) active from the Gingerbread Hill on Montserrat (NA-103) Oct 13-20th. Activity will be on 160-6 meters using CW, SSB and FT8/FT4. QSL via the ops home callsign

VP5, TURKS AND CAICOS ISLANDS. Operators Jim/NU4Y and Ron/N4KE will be active as VP5DX from Turks & Caicos between October 20th and November 2nd. Activity will be on 160-10 meters as well as the CQWW DX SSB Contest (October 29-30th) as a Multi-Single/Low-Power entry. QSL via NU4Y, LoTW or ClubLog.

November...

7P, LESOTHO (Update). "A South African Ham Radio (Mini) Dxpedition 2022" from Lesotho between Nov 2-7th. Ops mentioned are Mike/ZS6MSW (Team Leader), YL Erika/ZS6ESW, Gert/ZS6GC, YL Elna/ZS6EB, Sid/ZS5AYC, YL Adele/ZS5APT, Lucas/ZS6ACT and YL Magda/ZS6MMS will be active as 7P8CW from Hlotse, Lesotho. Activity will be on 80-10 meters using CW, SSB and FT8. Suggested frequencies are: CW - 3505, 7010, 14025, 18075, 21025, 24895 and 28025 kHz SSB - 3780, 7063, 14185, 18136, 21290, 24930 and 28490 kHz FT8 - 3580, 7040, 14071, 18090, 21091, 24915 and 28095 kHz The team will be limited to 100 watts. Mike, ZS6MSW, will be the only operator who will be active on CW. QSL via ClubLog and eQSL.

P4, ARUBA. Jaap, PA7DA, will be active as P4/PA7DA (possibly P40DA, but not yet confirmed) from Aruba (SA-036) between November 13-27th. Activity will be limited (family vacation) on 40-10 meters using CW, SSB and the Digital modes. Jaap states, "It will be a low-cost activation, using IC-7300 w/100 watts into a HyEndFed wire antenna." QSL via PA7DA by the Dutch Bureau.

TL, CENTRAL AFRICAN REPUBLIC (Update/Changes). Members of the Italian DX Team will be active from Central African Republic as TL8AA (CW-SSB-RTTY) and TL8ZZ (FT8) between November 12-26th. Plans are to have 8 operators and 4 stations. Operators mentioned are Alfeo/I1HJT, Franco/I1FQH, Tony/I2PJA, Silvano/I2YSB, Angelo/IK2CKR, Stefano/IK2HKT, Gino/IK2RZP and Maurizio/IV3ZXQ. Activity will be on 160-6 meters (now including 60m) using the below modes. Their suggested frequencies are: TL8AA Callsign CW - 1826, 3527, 5360, 7025, 10115, 14030, 18068, 21030, 24890 and 28030 kHz SSB - 3775, 5360, 7090, 14240, 18130, 21310, 24950, and 28470 kHz RTTY - 14084 kHz 6m - 50090/CW and 50160/SSB TL8ZZ Callsign (Using F/H) FT8 - 1845, 3567, 5357, 7056, 10131, 14084, 18095, 21091, 24911 and 28091 kHz 6m - 50303 kHz

TY, BENIN. Finnish operators Tapani/OH5BM, Pekka/OH2TA and Timo/OH5LLR will be active as TY5AF from the premises of the Finnish cultural center "Villa Karo", in Grand Popo village on the Atlantic coast of Benin between November 22-29th. Activity will be on all HF bands and modes. The operators will also focus on the CQWW DX CW Contest (November 26-27th) as a Multi-Op entry. While there, they will try to establish local amateur radio activities in Benin together with Villa Karo organization.

VK9C, COCOS KEELING ISLANDS (Update). Ops Zeljko/VK6VY, Steve/VK6SJ, Alan/VK6CQ and Chris/VK3QB will be active as VK9CM from Cocos Keeling Islands (OC-003) between Oct 26th and Nov 3rd, 2022. Activity will be on 80-10 meters (possibly 6m)[they dropped 160m due to the advanced stage of the Solar Cycle 25] using CW, SSB, RTTY and FT8 (F/H). Suggested frequencies FT8 (F/H mode): 3567, 7056, 10131, 14090, 18095, 21091, 24911, 28091 and for 6m terrestrial - 50323 kHz. The CW and SSB frequencies will be flexible. Equipment will be KX3, Flex 6600, with verticals for 80-10 and Ultrabeam Vertical for 40-10m. They will also use the callsign VK9C during the CQWW DX SSB Contest (October 29-30th). QSL both callsigns via EB7DX.

VQ9, CHAGOS ISLANDS. Steve, WB4GHY, will be active as VQ9SC from Diego Garcia Island (AF-006) until November 16th (Approx. Dates). Activity will be limited to his off hours from work. Operations will be FT8 mainly using Fox/Hound (F/H) mode and SSB on 160-10 meters. Suggested FT8 frequencies are 1846, 3567, 5357, 7056, 10131, 14090, 18095, 21091, 24911 and 28091 kHz. QSL via WB2REM.

IOTA...

AF-094. Members of the Algerien Amateur Radio Union will be active as 7Y8LI from **Arzew Island** (WLOTA 2292) sometime early November 2022. Look for more details to be forthcoming

NA-057. Alex, K6VHF, will once again be active as K6VHF/HR9 from **Roatan Island** between October 27-31st. Activity will be on 40-10 meters, possibly 6m, using CW, SSB and 10 watts on the Digital modes with an IC-705. QSL via LoTW, ClubLog OQRS, eQSL, direct or by the Bureau to his home callsign.

NA-213. Tom, KM4VI, will be active from **Dauphin Island** between October 13-15th. Activity will be holiday style on various HF bands using SSB. QSL via KM4VI, direct, LoTW or ClubLog.

OC-203. Mike, VE6TC, will be active as ZL4/VE6TC from **Oban, Stewart Island**, (WW Loc. RE43BE) until early October. His operations will be portable using an FT-897 with 100w into a vertical wire with ground plane of radials of 3 - 1/4 wave a few feet off the ground. QSL via VE6TC, by the Bureau, direct, eQSL or LoTW.

From what you have seen above, you should have no problems working something you haven't worked before.. So get on the air. Use your license privileges. Keep the spectrum for us HAMS. **73 until next month.**



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 75 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 now on YouTube. So, what does that mean? Hey, we have a new place to put all kinds of videos that are about PCARS for the world to see.



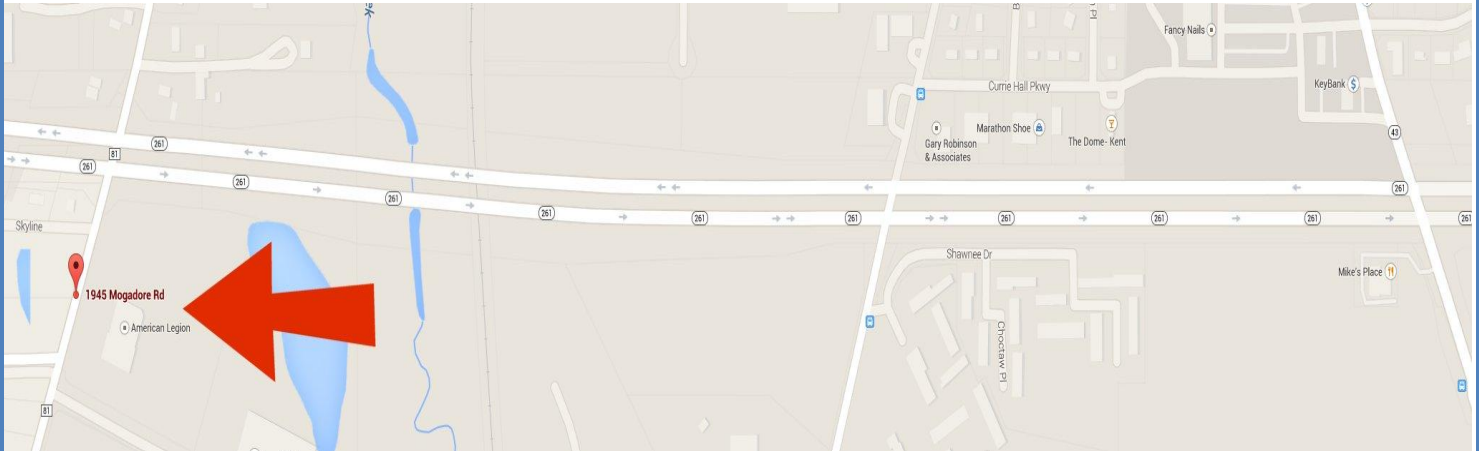
PCARS Meetings

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.

Photos from the September PCARS Meeting



PCARS
12 Sept
2022



Portage County Amateur Radio Service, Inc. (PCARS)

Membership Application ☐ New ☐ Renewal

This form **MUST** be filled out for **any** membership transaction

Name: _____ Call Sign: _____ License Class: _____
(Name Example: You can enter Bob instead of Robert if you want too. Also if you have a nick name you want listed, enter that, too)

Address: _____

City: _____ State: _____ ZIP: _____

Phone: _____ E-Mail Address: _____

ARRL Member? ☐ Yes ☐ No ARRL Membership Expires Month: _____ Year: _____
Use 2099 if ARRL Life Member

(We need month for the Birthday List and we need year to keep on file for the senior member advantages)

Birthday: _____ Month: _____ Year: _____

A \$5.00 initiation fee will be assessed in the first year of membership for all new members.
Membership year is Dec 1 - Nov 30. Dues are due no later than Nov 30th. If you don't pay by 11/30 - you are no longer a member and you will have to pay the \$5.00 fee again plus dues per the schedule below and you will be issued a new member number.

Check One	Membership	Renewal & New Membership Full Year Rate **		New Membership Second 1/2 year Rate **	
<input type="checkbox"/>	Regular Member	\$25.00	Dec 1 - Nov 30	\$12.50	June 1 - Nov 30
<input type="checkbox"/>	Associate Member	\$25.00	Dec 1 - Nov 30	\$12.50	June 1 - Nov 30
<input type="checkbox"/>	Senior Member (65+)	\$20.00	Dec 1 - Nov 30	\$10.00	June 1 - Nov 30
<input type="checkbox"/>	Family Member *	\$15.00	Dec 1 - Nov 30	\$7.50	June 1 - Nov 30
<input type="checkbox"/>	Life Member ***	\$75-Founder	\$175-Charter	\$250-Regular	\$125-Senior

*Family = wife, husband, brother, sister, son, daughter, father, mother that is a licensed amateur radio operator and who's FCC license has the same address as the paid regular member's FCC license.

**The rate plus a \$5.00 initiation fee will be assessed for all new members.

*** One time fee - Must have been a member in good standing for previous 5 consecutive years.

Checks can be made out to either "PCARS" - or - "Portage County Amateur Radio Service, Inc."

What are **YOUR** Ham Radio interests:

Signed: _____ Date: _____
As a member in PCARS you agree to PCARS sending club related information to your e-mail address and allowing use of your photographs submitted or taken during PCARS events to be used for PCARS publications and ham radio related articles.

Mail to: Portage County Amateur Radio Service, Inc.
705 Oakwood Street - Box 12
Ravenna, OH 44266

Date Received:	<input type="radio"/> New	<input type="radio"/> Renew
Initiation Fee: \$	+	Dues: \$ = Total \$
Paid: <input type="radio"/> Cash -or- <input type="radio"/> Check	Check Number:	
-or- <input type="radio"/> PayPal	Transaction Number:	
Date Voted:	Results:	Member Number:
<input type="checkbox"/> Database Updated		

Rev. 7 September 2022

WHY YOU SHOULD GIVE AMATEUR RADIO A TRY



Make Global Connections

Meet great people all over the world, from every walk of life and every generation. Over 2 million smart and inspiring people are on the amateur airwaves and eager to talk to you!



Get Involved in Public Service

Community events, such as parades and road races, require radio communications along their routes for logistic support, scoring, and first aid.



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Discover how radio works by building projects and experimenting. Build a simple radio receiver and make a wire antenna to listen for far-away signals.



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When cell phones, the internet, and other systems are down, amateur radio still gets the message out. It is a vital service that can save lives when regular communication systems fail.



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Talk through satellites and with astronauts on board the International Space Station
xxxxxxxxxxxxxxxxxxxx.



Get Creative

Design, build, and test your gear, whether from scratch or a kit. Challenge yourself to make a one-of-a-kind electronic project.



Develop New Skills

Don't be afraid to try new things and learn new skills. Through amateur radio, you can develop communication skills to improve your career, friendships, and life!

What is Amateur Radio?

Amateur Radio (ham radio) is a popular hobby and service that brings people, electronics, and communication together. You can use ham radio to talk across town, around the world, or even into space, all without the internet or cell phones. It's fun, social, educational, and can be a lifeline during times of need.

Who are Hams?

There's no one type of person who becomes a "ham"—from doctors to students to celebrities, all ages and life-styles are linked by their interest in wireless communications and technology.

Get Started — Get Licensed!

There are three classes of amateur radio licenses in the US—Technician, General, and Amateur Extra, each with increasing airwave privileges. The Technician-class license is the entry-level license and requires passing an exam with 35 questions on radio theory, regulations, and operating practices.

With this license, you can communicate locally and often throughout North America. It also allows for some limited privileges on the HF (also called "shortwave") bands used for international communications.



Free Online Class to get your Technician License.

Six Week Live Online Class-

Sundays, Oct 9 to Nov 13, 1:30 to 4:00 PM

Cuyahoga Falls Amateur Radio Club- www.cfarc.org

For more info, visit tiny.cc/beaham

or scan the QR Code



PCARS Portable Operations Special Interest Group

Special POTA Activation

PCARS Portable Ops SIG Fun at Punderson State Park October 15th 10am-4pm



Date: Saturday - October 15th

Time: 10 AM - 4 PM

Place: Punderson Ohio State Park
at the "Marina Picnic Shelter"



Brandon, KE8ARB will be doing Burgers & Brats
Paper plates, utensils, condiments, water will be provided

Attendees are asked to bring covered dish.

We need to know how many burgers,
brats, etc. to buy, so ***please*** RSVP to:

John, WG8X - john@wg8x.net

There will be plenty of room to set up rigs, and antennas. Folks
are encouraged to come and operate
using the club call - K8BF, or their own callsign.





2022 ONLINE AUCTION October 21-27



Elecraft K4D HF/6M
SDR Transceiver ↑

↓ Yaesu FTdx10 MF/HF
and 6 Meter Transceiver

PRE-REGISTRATION BEGINS OCTOBER 19-20 [ARRL.ORG/AUCTION](https://www.arrl.org/auktion)

The 2022 ARRL Online Auction features unique vintage items, new gear, Product Review items, and more!
**New items are being added every day,
pre-register to see them all!**

Massillon ARC (MARC) Hamfest - October 30, 2022

Work continues on one of the truly unique Hamfests in the USA, the Massillon ARC (MARC) Hamfest will be taking place 10/30 at MAPS air museum. The MARC Hamfest is the only hamfest we are aware of that takes place in a hangar dedicated to the preservation of military aircraft. It has grown each year and is recognized in Ohio as a "must attend" event. This event allows you to enjoy a hamfest and tour a military aviation museum at the same time. This year there is a new addition to the museum- a C130H Hercules! Hamfest information may be obtained by visiting the club website at W8NP.net. Club Info: Gerry Sorensen [Email- Club@W8NP.net](mailto:Club@W8NP.net)

MARC Hamfest at the MAPS Air Museum!!

Come join us for the greatest Hamfest ever! Where else can you go to a Hamfest and stroll among classic aircraft at the same time? Answer? NO WHERE! Our last hamfest was a spectacular event. Lots of vendors and tables full of all kinds of radio treasure. A clean, indoor space with food available, clean restrooms and airplanes galore.



2260 International Pkwy, North Canton, OH 44720

Doors open at 8:00AM on Sunday October 30, 2022.

Enter from Rt. 241 (Wales Road).

Look for the P-51 Fighter Plane on a pylon

Admission is \$5.00 Tables \$15 Go to W8NP.NET for table availability

Portage County Amateur Radio Service, Inc.



PCARS - K8BF

17th Annual

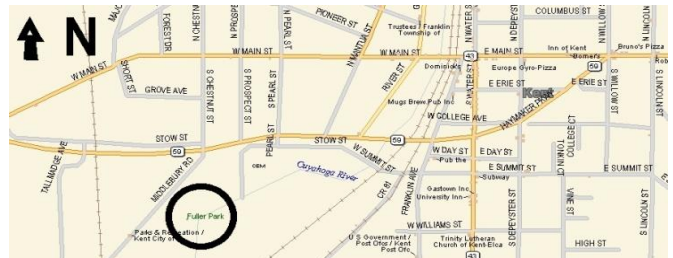
"Freeze Your Acorns Off"
(FYAO) Special Event Station



Where: Fred Fuller Park - 497 Middlebury Rd., Kent, Oh
at the Roy Smith Shelter House

When: Saturday - Nov. 5, 2022
Set up: 9 am

Operating Time: 10 am - 3 pm EST



We will be active on CW & Phone in the General areas of the 6, 10, 15, 20, 40 and 80 meter bands (Repeater & Echolink on the K8BF echo link node for a certificate) and anything else we can get working. Club Call Sign **K8BF** for a certificate. Other participating stations will be using their own callsign/FYAO, or calling "CQ FYAO" (only stations at the Freeze Your Acorns Off event should use the /FYAO designator). Yes, we'll be braving the cold weather of North Eastern Ohio to set up QRP stations using portable power and antennas.



Why November? - well one word - COVID - and we decided last Feb. not to hold it. But we did not want to miss a year so we got November 5th as the date for 2022.

We'll try and do FYAO in February for 2023.

So, from the comfort of your warm radio shack - give us a contact while we're out freezing. We'll need all the contacts we can make to help keep us warm. Your support will be very much appreciated!

QSL for Card and Certificate via QRZ.com address for K8BF

Check PCARS out on the web at: www.portcars.org

Questions? Contact Chuck, W8PT at chuckw8pt@gmail.com



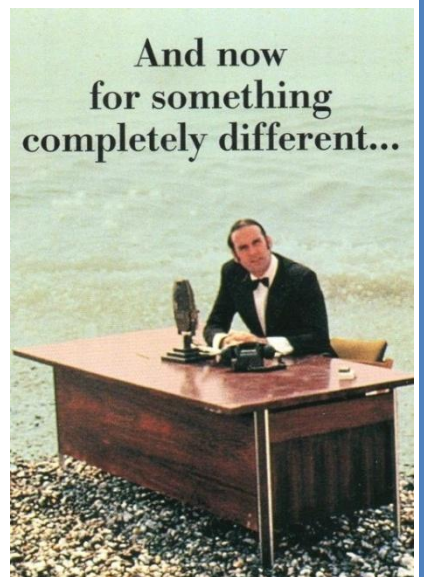
Just for Fun

Brad was sick of the world; of Covid-19, Brexit, Russian belligerence, global warming, racial tensions, and the rest of the disturbing stories that occupy media headlines.

Brad drove his car into his garage and then sealed every doorway and window as best he could. He got back into his car and wound down all the windows, selected his favorite radio station and started the car.

Four days later, a worried neighbor peered through his garage window and saw him in the car. She notified the emergency services and they broke in, pulling Brad from the car.

A little sip of water and, surprisingly, he was in perfect condition . . . but his Tesla had a dead battery.



Understanding Engineers.....

Two engineering students were riding bicycles across a university campus when one said, "Where did you get the great bike? The second engineer replied, "Well, I was walking yesterday, minding my own business, when a beautiful woman rode up on this bike, threw it to the ground, took off all her clothes, and said, "Take what you want." The first engineer nodded approvingly and said, "Good choice: The clothes probably wouldn't have fit you anyway."

Understanding Engineers 2

To the optimist, the glass is half-full. To the pessimist, the glass is half-empty. To the engineer, the glass is twice as big as it needs to be.

Understanding Engineers 3

A priest, a doctor, and an engineer were waiting one morning for a particularly slow group of golfers. The engineer fumed, "What's with those guys? We've been waiting for fifteen minutes!" The doctor chimed in, "I don't think I've ever seen such inept golf!" The priest said, "Here comes the green-keeper. Let's have a word with him." He said, "Hello George, What's wrong with that group ahead of us? They're rather slow, aren't they?" The green-keeper replied, "Oh, yes. That's a group of blind firemen. They lost their sight saving our clubhouse from a fire last year, so we always let them play for free anytime!" The group fell silent for a moment. The priest said, "That's so sad. I'll say a special prayer for them tonight." The doctor said, "Good idea. I'll contact my ophthalmologist colleague and see if there's anything she can do for them." The engineer said, "Why can't they play at night?"

Understanding Engineers 4

What is the difference between mechanical engineers and civil engineers? Mechanical engineers build weapons. Civil engineers build targets.

Understanding Engineers 5

The graduate with a Science degree asks, "Why does it work?" The graduate with an Engineering degree asks, "How does it work?" The graduate with a Commerce degree asks, "How much will it cost?" The graduate with an Arts degree asks, "Do you want fries with that?"



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 for 2022 and beyond.

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

AC8QG, N8WCP, KB8UUZ, KA8TOA, WA8EFK, N8SY, WB8LCD, N8AMY, WG8X, K8CAV, W8PT, N8QE, NO8D, CFARC, The ARRL and the World-Wide Web With your continued help – we can keep making this a *great* newsletter.



Will it Ever End?

Covid, unfortunately, is still among us and spreads easier than you think. Peggy and I have always been a bit paranoid since this Covid thing started. Wearing a mask, getting the shots and the boosters as well. Turning our life upside down and purposely staying away from crowds and public gatherings. Well, even with all of that, Covid hit home. Both Peggy, KB8SZI and I went out for dinner at a local establishment. Sure enough, Peggy caught Covid. She had symptoms and they were pretty bad. She also did the Paxlovid thing and it took her about 2 weeks to get back to some sort of normal. Still has a mild cough, but is not testing positive. Yep, I then caught it from her as well, but not as severe as she had it. So, why tell you about this? Well, this really drives the point home - this Covid thing is still here, infecting people and causing all kinds of grief. I sure hope you have had your shots and boosters to help cut down the severity and keep you from having to be hospitalized. So don't become complacent and think that it is all done and over. It is still lurking out there. Just be careful. Someday it

will be gone and we'll all be able to gather again and see each other in person - I really miss that. Stay safe.



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



~ 2022 Officers ~		2022 PCARS Appointments & Committees	
President - Nick Wagner - AC8QG Vice President - Mike Szabo - N8WCP Treasurer - Greg Ash - KA8TOA 1 Year Trustee - John Myers - WG8X 2 Year Trustee - Tom Parkinson - KB8UUZ 3 Year Trustee - Chuck Patellis - W8PT Past President - Tom Sly - WB8LCD		ARRL Awards - DXCC	W8KNO Joe Wehner
		Club Site Manager/Liaison	K8CAV Rick Kruis
		Contest Coordinator	W8PT Chuck Patellis
		EchoLink	
		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 Meeting 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.	
		Volunteer Examiner Liaison	KB8UUZ Tom Parkinson
		Webmaster	WG8X John Myers

 PCARS Volunteer Examiner Team Members	129	KB8UUZ	Tom Parkinson
	86	W8EZE	Frank Tompkins
	79	WB8LCD	Tom Sly
	79	N8QE	Bob Hajdak
	54	K8MSH	Mark Haverstock
	44	AC8NT	Jim Wilson
	36	KA8TOA	Greg Ash
	35	W8PT	Chuck Patellis
	26	K8IV	Ed Polack
	19	WA8CCU	Al Nagy
	15	AC8QG	Nick Wagner
	14	N8XTH	Deron Boring
	14	N8FUM	Dan Torchia
	12	W8GWI	Dave Seckel
	0	N8AMY	Amy Leggiero
	0	KC8JC	James "JC" Wilson

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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The RADIOGRAM is an Award Winning newsletter: **ARRL Ohio Section Newsletter - Third Place 2015, 2022 - Second Place 2014, 2016, 2020 - First Place 2012, 2013, 2017, 2018, 2019, 2021. ARRL Great Lakes Division Newsletter - Second Place 2013 - First Place in the 2017, 2020 and 2021.**

Articles are the opinion of the authors and not necessarily those of PCARS. Or, better yet, let me express it this way: "These are my opinions and only my opinions, unless you share them as well, which would make them our opinions, but I am not of the opinion that I can express your opinion as my opinion without your prior expression of said opinion, and then my re-utterance of that opinion would, in my opinion, be foolish unless I were expressing agreement to your opinion, and then it wouldn't be my opinion but your opinion to which I only agree." **GO AHEAD - STEAL THIS NEWSLETTER!** You have our permission to post, e-mail, copy, print, or reproduce this newsletter as many times as you like, but please do not modify what you use. If you use material in this newsletter, all we ask is that you give credit to PCARS along with the author of the article. Caution - some of the articles in this newsletter maybe covered by copyright - please do not copy and use the ones that have by-line information unless you obtain permission from the original author. If you're not sure, drop an e-mail to KB8UUZ@gmail.com. The RADIOGRAM always obtains written permission for reproducing copyright material. The RADIOGRAM comes out the first day of each month (usually), please have inputs submitted by 8 pm ET on the last Friday of each month. ARES® (Amateur Radio Emergency Service®) is a program of, and both logos are registered trademarks (used with permission) of the American Radio Relay League, Inc. ARRL, the National Association for Amateur Radio™. **Why the Black Squirrel in our logo?** For those of you not familiar with it: The Black Squirrel is commonly seen around Portage County, Ohio. Seems that some of these little guys and gals got loose from Kent State University back in 1961. They have migrated and thrived throughout our county. Kent State University even has an annual Black Squirrel Festival. **So when you spot a black squirrel - think PCARS!**

The RADIOGRAM is published every month and only sent to subscribers. If you would prefer not to receive this newsletter, we understand. We'll try not to take it personally. It's not you saying you don't like us, but maybe you just don't have the time to look at all this hard work we've done just for you. Hey, that's cool. But if your heart is truly set on making sure you no longer receive this newsletter, even though we promise to one day reveal the meaning of life in it and you're going to be really upset when you miss out on that, we can take you off the e-mail list. Send your newsletter inputs (in .TXT format) along with in-focus pictures (not small 50 kb photos) to the newsletter editor: KB8UUZ@gmail.com

By attending PCARS in-person activities, you are acknowledging that an inherent risk of exposure to COVID-19 exists in any public place where people are present. By attending PCARS in-person activities, you voluntarily assume all risks related to exposure to COVID-19 and covenant not to sue and agree not to hold the Portage County Amateur Radio Service (PCARS) or any of their directors, officers, contractors, vendors or volunteers liable for any illness or injury. While PCARS implements preventative measures to reduce the spread of COVID-19 in accordance with Federal, State and Local guidelines, we cannot guarantee that attendees will not become infected with COVID-19 as a result of attendance.

Portage County Amateur Radio Service (PCARS)
705 Oakwood Street - Box 12
Ravenna, OH 44266 USA



NLC

