



# 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 2024 - Volume 19 Number 10*



## **PCARS K8BF**

*The Club that puts the FUN in Ham Radio!*





Feature Articles	
From the PCARS President	3
From the PCARS Vice President	4
From the PCARS Treasurer	5
Upcoming November Group Build	6
Washington State Salmon Run	7
Kent State Aeronautics and Engineering Expo	8
On The Road with WG8X	9
September Meeting Photos	19
ODOT Tower Removed from PCARS Club Site	20
Enigma Reloaded	21



Regular Departments	
Happy Birthday PCARS Members	5
PCARS IO Group	5
PCARS Coffee Cups	7
Swap-N-Shop	10
SIG – Portable Operations	11
SIG – Antenna	12
SIG – DX & Contesting	12
Flex Net	13
PCARS Patches & Stickers PCARS	15
Charlie the Tuner’s HF High-Lites	15
PCARS on YouTube	18
From Around The World	21
Member Ham License Plates Wanted	22
Print a copy of your Ham License	25



Mark Your Calendar	
Schedule of Events	7
Hamfest Calendar	10
Ohio Section Youth Net	11
DX Engineering Cruise-In	14
PCARS Meetings	23
VE Test Information & News	24



Finals	
Thanks & 73	26
Fine Print	27

## From the President



**Mike, KP4VZ**  
PCARS President



**PCARS Officers Elections.** PCARS members – As we approach our annual election night on November 11th, I have *made the decision not to seek re-election* as president. This year has been enjoyable, but it is time for me to pass the torch to another member. I am fully confident that we will have volunteers for all positions this year. The recent amendments to the Club's constitution should facilitate a smoother election process. It is time to embark on the next chapter of the PCARS journey, and you have the opportunity to be a part of it. This is your chance to influence the future of our club and to advance the "Big Fun" initiative for the coming year. I encourage you to seriously consider running for an elected position. PCARS is relying on your participation! Nominations are open for the roles of President, Vice President, Treasurer, and the Three-Year Trustee.

You can nominate members using the **online nomination form** [HERE](#)

**Annual Fundraiser for the Center of Hope.** Each year, we uphold our tradition of running a fundraising campaign for the Center of Hope. The members of PCARS have always demonstrated incredible generosity, and I believe we will keep that spirit alive this year. Remember, every donation counts, no matter the size, so please encourage your friends and family to join in as well. You can easily make a donation right now by heading to our website ([www.portcars.org](http://www.portcars.org)) and clicking on the [Center of Hope donation button](#) on the right side.



**ODOT tower at PCARS Club Site was removed.** The antenna tower located near our clubhouse has been dismantled, which has impacted our operations on the 40 and 80-meter bands. In response, we have formed an



Antenna Committee consisting of Ken - WA8LRW, Jack - N8BI, Rick - K8CAV, and Gene - W8NET. This committee has convened, and their recommendations will be submitted to the board and discussed at the general meeting in October.

**Group Build.** You all know how much I enjoy our [group builds](#)! On November 9th, we'll be having our fourth group build session of the year. This time, John Myers, WG8X, will be leading a workshop on basic soldering. I don't want to steal

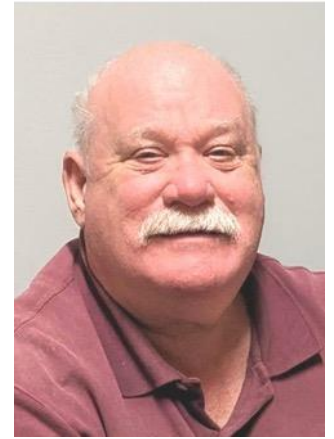
John's spotlight, so make sure to keep an eye out for his section in this newsletter for more details!

**Thanks!** We appreciate your continued support for the club. We look forward to seeing everyone at the General Meeting scheduled for October 14th at 7:00 PM.

## From the Vice President



**Ken, WA8LRW**  
PCARS Vice President



### September

- Ohio State Parks on the Air Contest was on Sept 7 with a few changes due to unforeseen circumstances
- The monthly Meeting featured a talk on the Hurricane Net by Bobby Graves KB5HAV
- K8BF contest station participated in the Washington State Salmon Run contest on September 21. Unfortunately, the propagation gods and lack of operators were not in our favor
- The big tower at the Clube Site has been removed. We are working to erect new supports for the VHF/UHF, Echo Link, 40M, and 80M antennas. A committee has been formed and has recommended a plan that will be presented to the Access Point /Community and Family Services board next month.
- Net Night at the club site was on Thursday, September 26 and we had many items for sale. Topped off with great rootbeer floats, thanks to Tom Sly.

### October

- The monthly meeting will feature a social gathering event.
- K8BF will participate in the California QSO party starting on Saturday, October 5. I hope we have more operators available. Just so you know, we came in first our class last year.

### November

- The monthly Meeting will feature the Center of Hope fundraiser and the
- election of new club officers.

### December

- The monthly Meeting will be the Holiday Dinner



# PCARS K8BF

The club that puts the FUN in ham radio



## From the Treasurer

**Greg, KA8TOA**  
PCARS Treasurer



It is time again for donations for the Center of Hope and dues are due by Nov. 30th. Money donations to the club for sales of equipment are coming in and the treasury is in good shape. Our main income for the club is from 50/50 sales, membership fees (dues) and General donations. The tower stuff has been taken care of and several antennas need to be replaced and hooked back up. This is being done by some volunteers and board members. Again, my hat is off to all the members who help out. Our lease was renewed at the same price so we expect our great club to stick around for a while. We do need people to step up to keep us going so we don't end up like other clubs.

Net News: Nets will pick up and issues with echo link are being worked on, has something to do with the internet service since we share it with the owners of the building. So hang in there! Happy Fall and Halloween!

## Happy Birthday PCARS Members

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

<b>KE8BWA</b>	<b>Andrew</b>
<b>N8WCP</b>	<b>Michael</b>
<b>W8KFW</b>	<b>Karl</b>
<b>WA8SAJ</b>	<b>Jeff</b>
<b>K8AAB</b>	<b>Bob</b>

<b>KE8UUK</b>	<b>Mark</b>
<b>WG8X</b>	<b>John</b>
<b>KE8EGF</b>	<b>Paul</b>
<b>KE8VS</b>	<b>Vern</b>
<b>K8CAV</b>	<b>Rick</b>

<b>KC8RKD</b>	<b>James</b>
<b>W8NET</b>	<b>Gene</b>
<b>KD8MLE</b>	<b>Jonathan</b>
<b>WA8AR</b>	<b>Anthony</b>
<b>K8DER</b>	<b>Donald</b>

## 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>



Groups | Find or Create a Group | <https://groups.io/g/PCARS> | Help | Log In

Home | Messages | Hashtags

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

PCARS@groups.io

Group Description  
This is the discussion group of The Portage County Amateur Radio Service, Inc. This site is for the members, by the members of PCARS.

Group Information  
59 Members  
1 Topic, Last Post: Feb 21  
Started on Feb 21  
Feed

Group Settings  
All subscribers can post to the group  
Posts to this group require approval from the moderators.  
Posts from new users require approval from the moderators.  
Messages are set to reply to group.  
Subscriptions to this group do not require approval from the moderators.  
Archives are visible to anyone.  
Wiki is visible to subscribers only.  
Members can edit their posts.  
Members can set their subscriptions to no email.

Join This Group or Log In if You Are Already a Member

## Upcoming November Group Build



*John, WG8X*

PCARS members! Would you like to expand your skillset? Well, on November 9<sup>th</sup>, PCARS is hosting our next group build session. The subject this time is basic soldering/desoldering techniques. I'm not going to demonstrate hot air rework stations, or any of the hi-tech styles of soldering. This will instead cover the basic soldering techniques we're all more likely to run into in our Ham Radio lives.

From cleaning & tinning the tip to practicing proper soldering techniques and working with circuit boards, you'll learn how to handle a soldering iron.

Besides learning a new skill, you'll come away from the morning with a fun project that you've built. The build project for this session will be a Two-tone European style siren. Just the thing to annoy the loved ones in your life!

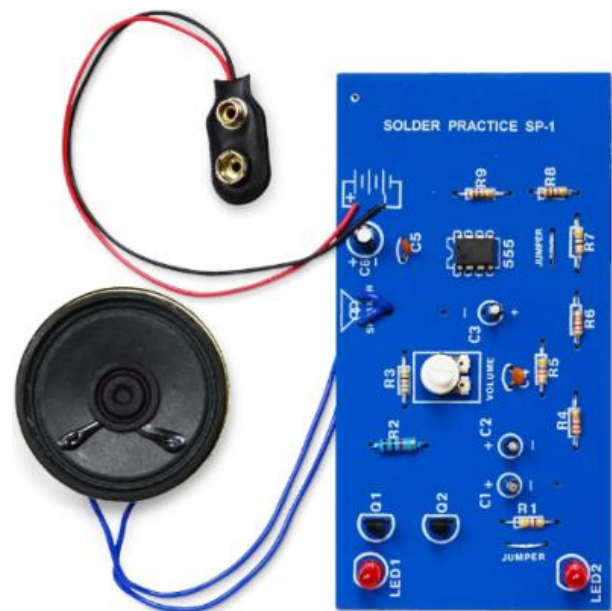
Are you or your kids studying for the BSA Electronics Merit badge? Knowing how to solder/desolder is a part of the requirements.

The build session will be held on Saturday, November 9<sup>th</sup>, 2024, from 9am -12 noon. We'll be at the PCARS club site (705 Oakwood St, Ravenna).

The cost is \$15 (\$15.80 via Paypal), which covers the cost of the kit.

You can read more, and sign up at [https://www.portcars.org/wp/group-builds/#Basic\\_Soldering](https://www.portcars.org/wp/group-builds/#Basic_Soldering)

If you have questions, contact John, WG8X  
([wg8x.radio@gmail.com](mailto:wg8x.radio@gmail.com))



## Schedule of Events



- Oct 5<sup>th</sup> - California QSO Party
- Oct 7<sup>th</sup> - PCARS Board Meeting at PCARS Club Site – 7 pm
- Oct 14<sup>th</sup> - PCARS Monthly Meeting – 7 pm
- Oct 25<sup>th</sup> - Net Night At The Club

### Special Interest Groups at the Club Site

- First Tuesday Odd Months - **Digital Special Interest Group** - Moderator: Rick, K8CAV
- First Tuesday Even Months - **HF WAS & DX Nets Special Interest Group** - Moderator: Gene, W8NET
- Second Tuesday - **Portable Ops Special Interest Group** - Moderator: John, WG8X
- Third Tuesday - **Antenna Special Interest Group** - Moderator: Bob, N8QE
- Fourth Tuesday - **DX & Contest Special Interest Group** - Moderator: Chuck, W8PT
- Fifth Tuesday - **Could Be Anything Special Interest Group** - Moderator: Rick, KD8WCK

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

## PCARS Custom Coffee Cups - Limited Edition - Get One NOW

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



**Supply is limited.** If you are a current (PAID) member of PCARS you get one coffee cup for **FREE** !! The only catch is you have to claim it from the **Treasurer - Greg, KA8TOA**.

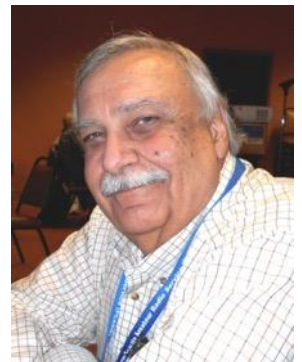
Greg has a list of current members and will check off your name when you get your **FREE** PCARS coffee cup.

There are a *very limited* number of extra coffee cups for sale at \$5.00 each. **Contact Greg for all of the details: Treasurer@portcars.org**



## Washington State Salmon Run

**Chuck, W8PT**  
DX & Contesting SIG Coordinator



PCARS Members & Contesters:

On the weekend of Sept 21-22, a small group of us put K8BF on the air during the Washington State Salmon Run. This was a 23 hr contest that was split so that one could get a night's sleep before continuing the contest.

We had nine members show up on Saturday, of which 7 operated. They were W8PT, WA8LRW, W8NET, KD9ZDY, KA8TOA, N8QE, KP4VZ. On Sunday, we only had two show up. W8PT and WA8LRW. We were competing with the Ravenna Balloon-a-Fair as well as the Cleveland Hamfest.

We certainly thought that since the propagation had been so favorable during the week, we would have great luck during the contest. Welllllll... We didn't see that many Washington state hams were on. Although, looking at the In State scores, there certainly were a lot of WA stations working other WA stations.

We ended up with 81 contacts for 5375 pts. We have no idea where that places us, this being the first time in this contest. A couple of us worked CW as best as we could and of the 81 contacts, 53 were CW. And all this was done without the 40 m dipole since it came down with the big tower. Gene did furnish a vertical which we put to use but no contacts were made on 40m

We declared ourselves an "Unlimited" station since they did not have a category for Multi-Multi out of state stations. I only saw one other station listed as "Unlimited" but they were in that category as High Power and we were Low Power. I hope that makes a difference since they had a slightly higher score than ours.

In any event, we had fun and look forward to doing this again.

## *Kent State Aeronautics and Engineering Expo*

*Jim, AC8NT*



Had some fun at this year's Expo held at Kent State Airport. The expo attracted hundreds of visitors and had a lot of fun stuff to see including ham radio. The day before we spent some serious time running antenna cables from our setup inside the hanger to outside antennas. That included prying up the hanger skin to feed cables.

Our table included a POTA rig up and running, Software Defined Radio picking up ADS-B data from nearby aircraft, Fox Hunting gear and a satellite/radio astronomy antenna. We met a lot of people and handed out a lot of information.

We have more public events currently in the works including Scout presentations in October, three library visits, and JOTA October 19th. If anyone is interested in helping, send me a quick email [AC8NT@j3solutions.com](mailto:AC8NT@j3solutions.com). These are fun events that introduce ham radio to the public. We meet people of all ages, many with no idea what ham radio is or what you can do with it.





## On The Road with WG8X



**John, WG8X**



This month's deadline finds me in the early stages of OSPOTA log checking. Combined with a lack of road trips this month, I thought I'd talk about the PA QSO Party.



The PA QSO Party is one of the best state QSO parties in the country. It was run for several years by the Nittany ARC, in State College, PA. A few years back, it was picked up by the PA QSO Party Association. I believe it to be one of the friendliest contests you'll find.

Back in the mid 1980's, Dave KC3CL (now K3SK) talked me and a friend into driving to PA, to operate portable from some rare county during the QSO Party. So, in 1987, WI8T and I travelled to Indiana County, PA to put it on the air. I remember it raining all weekend, but we had fun (we didn't score an indoor QTH until about four years later).

We bounced around a bit over the years from one county to another. Most recently, we've landed in the northern part of Jefferson County, PA, where we've now been for several years. There's four of us who make the trip each October. Besides myself, there's John, N8PLA (He owns the cabin so we have to invite him), Allen, WI8T, and Ben, KD8KMQ.

The station in the woods has no POTA number, so I need to go a few miles away to Clear Creek State Park (US-1341) in order to scratch that itch. At first, every year brought new challenges to overcome. Even now, I still bring my full tool kit for the inevitable repair jobs that present themselves. Next month, I'll have pictures from the PAQP 2024 in Jefferson County.



## 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.

=====  
10/05/2024 – Northwest Ohio Amateur Radio Club (NWOARC) Hamfest – Location: Lima, OH – Sponsor: Northwest Ohio Amateur Radio Club – Website: <http://www.nwoarc.com/>  
=====

10/05/2024 – Scioto Valley Amateur Radio Club Hamfest – Location: Piketon, OH – Sponsor: Scioto Valley Amateur Radio Club – Website: <http://www.nwoarc.com/>  
=====

10/27/2024 – 2024 MARC Hamfest at Maps– Location: N. Canton, OH – Sponsor: Massilon Amateur Radio Club, Inc. – Website: <https://www.w8np.net/>  
=====

11/09/2024 – Grant Amateur Radio Club Hamfest – Location: Georgetown, OH – [Learn More](#)  
=====

12/07/2024 – Winter Hamfest – Location: Archibold, OH – Sponsor: FCARC

## Swap-N-Shop

**FOR SALE** **WANTED** **FOR SALE** **WANTED** **FOR SALE**

-----  
**WANTED:** 1 x 20m hamstick and 1 x 40m hamstick; 1 x 40m Hustler RM-40 and 1 x 75m Hustler RM-75. [w8net@me.com](mailto:w8net@me.com) or 330-619-9194 (text or voice) [11/24]

-----  
**FOR SALE:** Yaesu FT-2000 160 - 6 Meter Transceiver with FH-2 Remote Control Keypad and CT-119 Programming Cable \$900.00 for everything. Original boxes are available. **Contact Bob Hajdak N8QE** at (330) 807-5903 or [rhajdak@aol.com](mailto:rhajdak@aol.com). [11/24]

-----  
**FOR SALE** Time to clear out some project radios, 1960 Kaiser W 2035/ D AM/FM/SW table radio \$25, (2) Hallicrafter S-107 receivers \$25, Gonset G-50 6M AM Transceiver \$50. Interested parties can email [n8wcp.us@gmail.com](mailto:n8wcp.us@gmail.com) [11/24]

-----  
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: [01/24] indicates the ad will run until the end of January 2024.



# PCARS K8BF

The club that puts the FUN in ham radio



## Ohio Section Youth Net

**When:** The second Sunday of every month at 7:30 PM EST

**Where:** The K8IV repeater located in Kent, Ohio (EchoLink node K8BF-L) RF: 146.895 Mhz with PL 118.8

**Who:** Any licensed amateur radio operator who wishes to participate. Priority will be given to youth stations and those located in Ohio.

The purpose of this net is to encourage youth activity in amateur radio and to help new hams get more comfortable on the air.

If you are a young ham, in the Ohio Section or elsewhere, please check in and say “Hello”! Even if you’re far away from OHIO you can check in via Echo-Link. Echo-Link is a good tool to have, and it can be accessed from your laptop, tablet or cellphone. But there is a process to get validated to the Echo-link system. It’s simple to do, but you need to get it done before the day of the net!

## Portable Ops Special Interest Group

**John, WG8X**  
Portable Ops SIG Coordinator



**Next Portable Operating SIG Tuesday, October 8<sup>th</sup> at 7:00 PM**

We’ll be working to solve the world’s problems as they pertain to portable operating. No guarantees that we won’t be sidetracked onto other subjects as well.

This month, we have POTA’s Support Your Parks Weekend on the 19<sup>th</sup> & 20<sup>th</sup>. Also, the Jamboree On The Air (JOTA) is coming up on the 19<sup>th</sup>.

Several state QSO Parties are being held in October. The one that has always been near & dear to my heart is the PA QSO Party. I would highly recommend grabbing your gear, and heading east for the weekend of October 12<sup>th</sup>/13<sup>th</sup>. Pick a rare county, and you can be rare DX for a weekend. Rules for the PA Party can be found at <https://paqso.org/>.

Hope to see you at this month’s SIG at 705 Oakwood St, Ravenna.

Here’s our Zoom info:

Join Zoom Meeting

<https://zoom.us/j/92154491950?pwd=cmZNSIFhZVRmcVg3L3pnazdrK1ZuUT09>

Meeting ID: 921 5449 1950

Passcode: 878917

---

One tap mobile

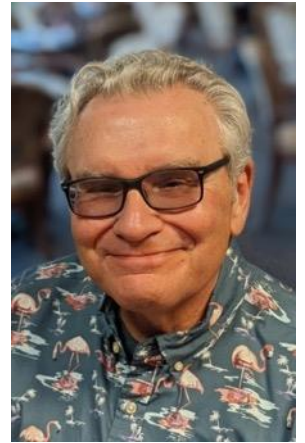
+13092053325,,92154491950#,,,,\*878917# US

+13126266799,,92154491950#,,,,\*878917# US (Chicago)

Hope you can make it! 73, DE WG8X

## *Antenna Special Interest Group*

**Bob, N8QE**  
Antenna SIG Coordinator



**The next meeting of the PCARS Antenna SIG will be September 17, 2024 at 7:00 PM.**

The next meeting of the PCARS Antenna Special Interest Group will be held October 15, 2024 at 7:00 PM. We will be in-person at the PCARS club site and on Zoom.

Join Zoom Meeting:

<https://zoom.us/j/99273855876?pwd=VWhuemc0T3JRdWVUd2NTZGJZWnBUQT09>

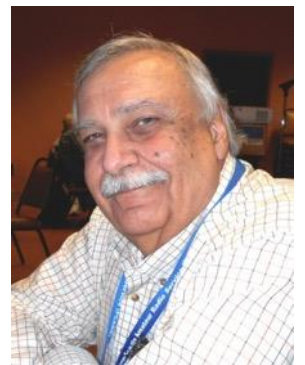
Meeting ID: 992 7385 5876  
Passcode: 047804

The Antenna SIG meetings are open to all PCARS members and guests. All ham radio operators or anyone interested in Amateur Radio are also welcome to attend. We will be discussing all aspects of antenna design, construction, test equipment, and experimentation. Everyone is welcome to join the discussion, and talk about their antenna related projects with the group.

I have decided to resign as Antenna SIG Moderator. PCARS is looking for a new Antenna SIG Moderator starting in January, 2025. If interested, please contact Mike KP4VZ.

## *DX & Contesting Special Interest Group*

**Chuck, W8PT**  
DX & Contesting SIG Coordinator



**Attention PCARS DXers & Contesters**

On Sept 24, we held our DX/Contesting Special Interest Group meeting. We had 11 attending either in person or by ZOOM. We reviewed our participation in the recent Washington State Salmon Run, which is their state QSO Party.

We entered in the Unlimited category because they do not have a category for Multi-Multi entrants. We had 81 contacts for 5,375 pts. Since this is our first time playing in this contest, we have no idea if this is a good score or not. We shall see, of course, when the results come out.

Most of our contacts were on CW with 53 of our 81 Qs being by way of this mode. We had a total of 8 ops who helped us in this contest on Saturday. But since we were competing with the Ravenna Balloon-A-Fair and the Cleveland Hamfest, there were only two of us that showed up on Sunday. Still, we had a good time. We had hoped that there would be more Wash stations on. If there were, we didn't hear them. The bands were also populated by other State QSO Parties as well as POTA stations.

We also reviewed the rules for the upcoming California QSO Party that takes place the weekend of October 5-6. We are hoping that we can repeat our performance from last year which garnered a plaque for our club wall. You will be getting more info on this contest in a few days. Til then, 73.

## *Flex Net*

***Rick, K8CAV***  
Flex Net Coordinator



**Next Flex Net: October 9<sup>th</sup> at 8:00 PM**

The next PCARS Flex Net will be held on Wednesday October 9th at 8:00 PM. This month's net will be a Digital-Only net using RTTY 45.45 baud 170 Hz shift, on 10 meters. Tune your transceiver's dial frequency to 28.110 MHz USB and center the RTTY cursors at 1,500 Hz on the waterfall.

As this is a digital-only net, we will be using prosigns and Q signals to streamline net operations. A review of the use of prosigns and Q signals named " Flex-Net-Digital-Operations.pdf" can be found on the PCARS groups.io site, here: <https://groups.io/g/PCARS/files/Flex-Net-Digital-Operations.pdf>

## *Could Be Anything Special Interest Group*

***Rick, KD8WCK***  
Could Be Anything SIG Coordinator



**5th Tuesday Could Be Anything SIG: October 29th at 5:00 PM**

Please join us for a mini hamfest on Tuesday October 29, 2024 at the PCARS club site in Ravenna. Doors will open at 5 p.m. and members may bring items to sell. There will also be items for sale from recent donations to the club from some members' estates.

We plan to be there from 5pm to 9pm so come down when you can, bring your stuff to sell or peruse all the other treasures that your fellow ham radio operators are getting rid of.

There is also the serious possibility of solving all the pressing problems of the world, in conversation before during and after the SIG. Hope to see you there!

## *DX Engineering Mobile Cruise-In*

**Date:** October 3, 2024

**Time:** 5:30pm to 8pm EDT

**Location:** 1200 Southeast Ave. Tallmadge, Ohio 44278

– use farthest parking lot entrance on 532

**What is the event about:** Cruise-In to check out other mobile radio setups and get some ideas for your own vehicle.

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

**This is NOT a hamfest.**

**Other Notes:** DXE Showroom will be open till 8pm – get tech assistance, check out open box deals  
**Event will happen Rain or Shine – Bring a Chair to socialize**



**Date:** October 3, 2024  
**Time:** 5:30pm to 8pm EDT  
**Location:** 1200 Southeast Ave. Tallmadge, Ohio 44278  
– use farthest parking lot entrance on 532

## 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](mailto:Treasurer@portcars.org)

PCARS T-Shirts, Polo Shirts, Jackets, Hats, etc. can be obtained from:

Villager Business Solutions - attention Michelle Zivoder  
8088 Main Street  
Garrettsville, OH 44231  
[michelle@villagerbusiness.com](mailto:michelle@villagerbusiness.com) 330-472-7304



## Charlie the Tuner's HF High-Lites

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

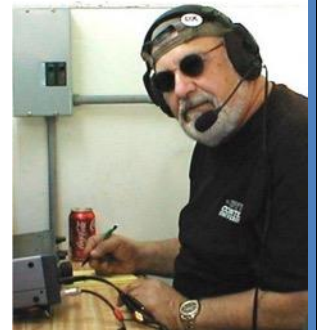
**Greetings DXers**

**Charlie the Tuner's DX High-Lites October 2024**

Greetings to all DXers:

Greetings from my Parkman Ham Shack. Things have been progressing here. Both towers now have beams up and operating. The Optibeam 14el Log Yagi is a real wonder. I've been able to work DX on all bands from 10 through 40, including the WARC bands. I'm very glad that Tim at DX Engineering had this one in stock. Unfortunately, it is no longer being manufactured. Tom, Mr. Optibeam, has a new design using 12 el. The next time I talk with him, I will mention that the old design is very good indeed.

Since I have Optibeam monobanders for 40 and 20, I've been doing a lot of back and forth comparisons. There are differences depending on – well at the moment, I'm not sure. Too long of a story for this article.



I've noticed that more SSB and CW spots are showing up on the DX clusters. There are still a lot of FT8 spots, but they seem to be balancing out somewhat. The pile-ups are still ongoing, and there are still ops who have no patience in hearing who the DX entity is working. They simply keep calling, in some case, even after they have been recognized by the DX. Either deaf or simply LIDS.

Well, enough of that. Let's see what is promised for October and some months beyond. As always, listen, listen, listen!!!

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

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

### October...

**5H, TANZANIA.** Vlad, OK2WX is QRV as 5H1WX from Mafia Island, IOTA AF-054, until October 6. Activity is on 80 to 10 meters using CW, SSB, and FT8. QSL via I8KHC.

**5R8, MADAGASCAR.** Eric, F6ICX will again be active from **Saint Marie island, AF-090** as **5R8IC** during mid-October to end-December 2024. QRV on HF bands, mainly CW with some SSB. Last two weeks of activity he will dedicate to QO-100. QSL via LoTW, H/c.

**A2, BOTSWANA.** Pista, HA5AO will be QRV as A25AO from Chobe National Park from September 24 to October 4. QSL to home call.

**C5, GAMBIA, Reminder** - Jean-Louis, F6ITS has just received his Gambian license and will be active as **C5GM** until December 2024. When not on his sail boat, he will QRV from Lamin Lodge (Grid: IK13qj). Jean-Louis says he has restarted CW after more than 10 years inactivity so is sorry for any mistakes and his slow speed. QSL info to follow.

**CY9C, SAINT PAUL ISLAND.** **CY9C Team will be active again from Saint Paul Island, IOTA NA - 094, until 5 September 2024. They will operate on 160 - 6m CW, SSB, RTTY, EME, SAT, FT8. QSL via WA4DAN direct, OQRS, LOTW.**

**EA, SPAIN.** Special event station EG2AMCUP is QRV until October 29 during the 37th America's Cup being held in Barcelona. QSL via EA3MM.

**HH, HAITI.** Special call sign 4V1SAVANNAH will be QRV from September 16 to October 20 to commemorate the 245th anniversary of the Battle of Savannah, an encounter of the American War of Independence. QSL via N2OO.

**RI4, ARTIC TOUR.** Oleg, RD1A is onboard "Severny Polyus / North Pole" and will be active when time permits as RI42SP as the ship travels through various parts of the Arctic. Primarily QRV on CW & FT8 from October 5th for approx one year. QSL via Club Log OQRS.

**SV, GREECE.** Dirk, ON5CT is QRV as SV8/ON5CT from Samos Island, IOTA EU-049, until October 6. Activity is on 80 to 6 meters using SSB, RTTY, and FT8. This includes being an entry in the upcoming CQ World Wide DX RTTY contest. QSL via LoTW.



**TK, CORSICA.** TK0C Team will be active from Corsica Island, IOTA EU - 014, in CQ WW DX CW Contest, 23 - 24 November 2024. They will operate in Multi Single High Power Category. QSL via LoTW.

**UR, UKRAINE. Reminder-** Special event station EM100WJZ will be QRV now until December 31 to commemorate the 100th anniversary of the first amateur radio activity from the ancient city of Lwow, now known as Lviv. QSL via UR4WWE.

**V4, ST. KITTS.** During October 1-12, Dale W4AUV and Bob K4RLC will be active from St. Kitts (NA-104). V4/W4AUV will QRV mainly 40m CW with V4/K4RLC operating 20m CW QRP from three POTA locations on the island. QSL via LoTW both calls.

**VP2, MONTSERRAT.** George, K2DM along with ND8L (VP2MMM) and N0SMX (VP2MMX) will again be active as VP2MDM from Gingerbread Hill, Montserrat at the end of October '24. QRV mainly for the CQWW SSB Contest, but also activity on FT8/FT4 and 6m before / after the contest. QSL via LoTW or direct H/c.

**VU, INDIA.** San, VU2TT will be QRV in several contests with special call sign AT5T from September 7 to November 28. QSL via LoTW.

### **Look Ahead & Reminders...**

**3D ROTUMA IS.** A DXpedition set for November 15th to December 4th with 6 ops will use callsign 3D2Z.

**7Q, MALAWI.** 7Q7MW Team will be active from Malawi, during end of the October 2024. They will operate on HF Bands, including activity in CQ WW DX SSB Contest, 26 - 27 October 2024.

**8Q, MALDIVES.** Zhao, BG4JMI is QRV as 8Q7JM until November 1 while on work assignment. Activity is in his spare time. QSL to home call.

**C2, NAURU.** Our team (T2C in 2023 and P29RO in 2022 and other activities in the years before COVID) has decided to announce its next DXpedition. We will return to the Pacific and travel to Nauru (C2) in October 2024. We are planning to operate with 5 stations, 24/7 from 160 to 6 m in CW, SSB, FT8 and RTTY. C21MM Team will be active from Nauru Island, IOTA OC - 031, 11 - 27 October 2024.

**DU, PHILIPPINES.** Christian, F4EBK is QRV as DU3/F4EBK from Luzon Island, IOTA OC-042, until January 2025. Activity is on 20, 15 and 10 meters typically around 0900 and then after 2100z. QSL via F4EUO.

**FW7, WALLIS & FUTUNA.** Thanks to Al, K7AR for this DX info. W7YAQ, Bob and K7AR, Al will be active from the Lausikula Guest House on Wallis Island from November 16-29, 2024 with activity in the CQWW CWContest. We will be active as FW7AA on 160-6 meters using two Elecraft K Line stations and amplifiers. We will use a DX Commander Classic, DX Commander Signature 12, and 160 M inverted L antennas. Our 6 meter activity will be casual, occasionally CQing and monitoring FT8 on 50.313 when not busy or out for dinner. On our return trip home we will stay in Fiji for 3 days and will be active from Club Fiji as 3D2NB from November 30 to December 2. QSL both callsigns via W7YAQ through OQRS, and LoTW.

**J75, DOMINICA.** J75K Team will be active from [Dominica](#), IOTA NA - 101, 26 December 2024 - 4 January 2025. They will operate on 160 - 6m, CW, SSB, FT8. QSL via IV3JVJ direct, LoTW.

**JD1, MINAMI TORISHIMA.** After completing his latest assignment, Take **JG8NQJ/JD1** will again be active from Minami Torishima starting mid-November and lasting for approx 3 months. QRV mainly on CW and some FT8 (spare time). QSL via JA8CJY, LoTW.

**KH0, MARIANA IS.** Tom KC0W is going to operate with call KH0V from November 23-24th .

**KH0, MARIANA IS.** Ken, JO1VRK plans to be active from Saipan, Mariana Islands as KH0/AJ6VJ during December 30, 2024 to January 3, 2025. QRV 40-20-17-15-12-10m. QSL via LoTW, eQSL – email for home address for paper QSL.

**PJ4, BONAIRE IS.** PJ4A Team will be active from Bonaire Island, IOTA SA - 006 in CQ WW DX CW Contest, 23 - 24 November 2024. Team - K4BAI, KU8E, N8VW, N4RR. They will operate in M/S Category. Before and after contest they will be active as PJ4/K4BAI, PJ4/KU8E, PJ4/N8VW, PJ4/N4RR. QSL for PJ4A, PJ4/K4BAI, PJ4/KU8E via K4BAI.

**V5, NAMIBIA.** Gunter, DK2WH is QRV as V51WH from Omaruru until November 12. Activity is on 160 to 10 meters, including 60 meters, using SSB, FT8, and possibly CW. He will be active as V55Y in various contests. QSL to home call.

**VK0, DAVIS STATION ANTARCTICA.** Dave, VK2DS is active as VK0DS from Davis Station, Antarctica, until November 2024. He will operate on HF Bands, plus 6m and EME 2m and 23cm. QSL via home call.

**VU, INDIA.** Special event station AT78I is QRV until November 13 to celebrate 78 years of independence for India. Activity is on the HF bands using CW and SSB. QSL via VU2JOS. In addition, Kaustav, VU2UUU is QRV with special call sign AT2SPACE until the end of August to commemorate India's National Space Day. QSL to home call.

**XT2MD, BURKINA FASO.** XT2MD Team will be active from Burkina Faso, 31 October - 11 November 2024. They will operate on HF Bands and EME. QSL via IK2VUC buro or direct.

**YN, NICARAGUA.** Mike, AJ9C will be active again as YN2CC from Nicaragua, 19 - 28 November 2024. He will operate on 160 - 6m, CW, SSB, Digital modes including RTTY, including activity in CQ WW DX CW Contest. In CQ WW DX CW Contest he will be in Single Operator All Band Low Power Category. QSL via home call direct, LOTW.

My usual disclaimer: These DX events can change due to various reasons that sometimes are out of the hands of those who are doing the planning. (The recent Somalia DXpedition was cancelled due to danger to the operators.) I hope that many of you will use this info to hunt down your ATNO or simply to work some DX while your hair turns grey.

**Get on the air and work some DX!! 73 for now....Chuck W8PT aka Charlie the Tuner**

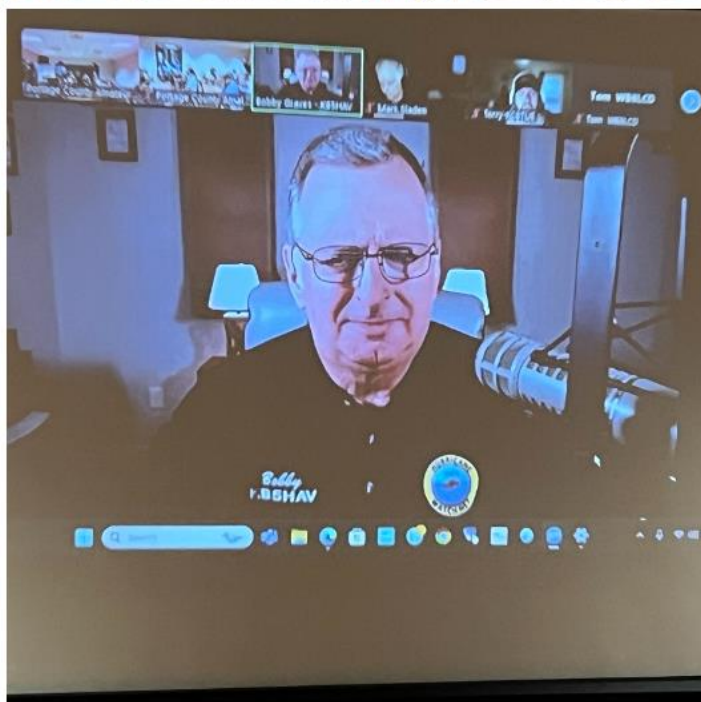
**73 for now....Chuck W8PT aka Charlie the Tuner**

## *PCARS is on YouTube*

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



# September Meeting Photos



## *ODOT Tower Removed from PCARS Club Site*

**Tom, KB8UUZ**



The old ODOT tower was removed on September 19, 2024.

It took about 8 hours for Tri-County Tower to completely remove the tower. Two sections at a time were removed and moved to an area with the crane where another crew cut the tower into smaller chunks to fit in a dumpster. Did not take long to fill the dumpster. They had to order another dumpster to complete the job. The weather was perfect. Sunny and clear.

You can watch a video at: <https://youtu.be/nV8YZRZ1hpg>



## *Enigma Reloaded*

Eighth Edition - 2024 from September, 27th to October, 5th

The main goal of the Enigma Event is to promote as much radio amateur activity as possible all over the world, celebrating the history of the Enigma cipher machine and its crucial role in the outcome of World War II, and spreading the knowledge of those key people who contributed to its decryption.

The eight edition of "Enigma Reloaded" event will take place in two steps :

- From September, 27th to October, 04th, Italian and foreign Amateur radio stations registered as "Activator stations" will ensure the activation of their radio stations in order to allow to the participants getting their scores for the "Enigma Award" Contest.

- On October, 5th, the final event's day, the Activator Stations will exchange predefined CW messages previously encrypted by a real or emulated Enigma machine.

All details and rules are available on the official website : [www.enigma-reloaded.it](http://www.enigma-reloaded.it) (english version: [http://www.enigma-reloaded.it/index\\_eng.html](http://www.enigma-reloaded.it/index_eng.html) )

Project made possible by:

A.R.I. - Italian Amateur Radio Association - Radio Club of Fidenza, PR - ITALY

"Rover Joe" Museum - Fidenza (PR, Italy)

A.R.M.I. - Marine Italian Amateur Radio Association

As mentioned above, we believe that is mainly interest all Ham Radio operators , so please notify it to your associated OM and /or your webmaster/website .

Best regards and 73's de Cristiano Cornini , IW4CLV

## *From Around The World...*

### **Links from Here, There, and Everywhere**

The Discovery of Radio Waves

<https://www.nutsvolts.com/magazine/article/the-discovery-of-radio-waves>

A Look at Signal Reporting

<https://www.nutsvolts.com/magazine/article/a-look-at-signal-reporting>

How You Can Intercept Secret Messages Being Sent to Spies

<https://www.nutsvolts.com/magazine/article/how-you-can-intercept-secret-messages-being-sent-to-spies>

The Smith Chart

<https://www.nutsvolts.com/magazine/article/the-smith-chart>



## 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 80 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.**

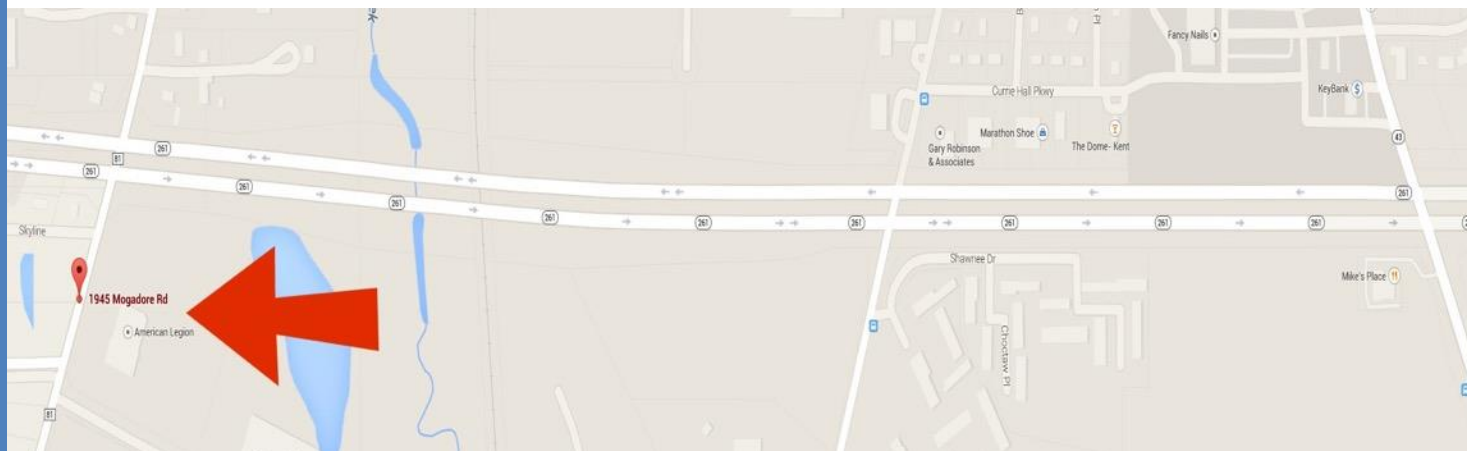
All plates will be mailed directly to the address on your registration card unless customer requests otherwise. The deputy will issue your registration card, stickers and provide you with a permit which will allow you to operate your vehicle while your plates are being manufactured. Special license plate 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 Meetings

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



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

# PCARS VE Testing Information & News

**Tom, KB8UUZ**  
PCARS VE Team Liaison



**Future Dates**  
**October 5<sup>th</sup>, December 7<sup>th</sup>**

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

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 or an upgrade to your existing license. Face masks are not State/County mandated at this time, but you are always welcome to wear one.



PCARS VE sessions are scheduled for 9:45 am Registration, 10:00 am Testing starts, on the first Saturday of every even numbered month at the PCARS club site in Ravenna. Any questions? Contact [KB8UUZ@gmail.com](mailto:KB8UUZ@gmail.com)

---

## 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](mailto:KB8UUZ@GMAIL.COM) if you plan on attending.
- You **MUST** have an **FRN Number** (SSNs no longer accepted) **Taking Technician Test?** - You **MUST** apply for your FRN and get it prior to testing
- 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
- **VE fee is \$15** - Cash or Check payable to "ARRL-VEC"
- **FCC License Fee \$35** - payable **after** FCC sends you a link. **DOES NOT APPLY to upgrades**
- **17 years old or younger? VE Fee is \$5** per the ARRL reduced CE fee Youth Program
- **17 years old or younger? ARRL will reimburse you the \$35 FCC Fee**

---

## Okay - now all the Details:

- If you are sick, have a cough, a high temperature or have been exposed to COVID-19 or other communicable germs, or someone that has been infected - please, *do not* come to the club site. *Use of masks is optional.*
- No food or snacks allowed.
- 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).
  - **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.**
  - Calculators are okay to use (if you need one) as long as the memories are cleared.
  - **NO cell Phones allowed**

---

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

**Email Addresses REQUIRED** - All applications are required to contain an email address for FCC correspondence. Applicants will receive an email direct from the FCC with a link to the official electronic copy of their license whenever a license is issued or changed. ARRL VEC suggests that those without access to email to use the email address of a family member or friend. Licensees will be able to log in to the ULS using their FRN and password to download the



latest version of their license at any time. The FCC no longer provides paper license documents via regular mail.

**FCC - \$35 Amateur Application Fee** - The Federal Communications Commission (FCC) staff has clarified in response to an ARRL request that the new \$35 application fee will **not apply to upgrade to an amateur radio licensee's operator class and changes to club station trustees**. The new fees will apply only to applications for a new license, renewal, rule waiver, or a new vanity call sign.



**VECs and Volunteer Examiner (VE) teams will not collect the \$35 fee at exam sessions.** New applicants will pay the \$15 exam session fee to the ARRL VE team as usual.

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.

**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 **17 years old or younger** for tests administered under the ARRL Volunteer Examiner Coordinator (VEC) program. 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 17 years old or younger would pay a reduced exam session fee of \$5 to the ARRL VE team at the time of the exam. The \$5 fee is for all candidates 17 years old or younger, regardless of the exam level taken. Proof of under 18 status is required.

**PCARS**  
**ARRL Volunteer Examiners:**  
**serving the Amateur Radio community**  
**First Saturdays 10:00 am**  
**at the club site in Ravenna**  
**February, April, June, August,**  
**October, December**

Visit the ARRL website for the program instructions and reimbursement form at [www.arrl.org/youth-licensing-grant-program](http://www.arrl.org/youth-licensing-grant-program).

## Printing Your FCC License

### Print an Official or Unofficial Copy of Your Amateur Radio License

Information provided by Anthony Luscre, K8ZT

As of February 17, 2015, the **FCC no longer routinely issues paper license documents** to Amateur Radio applicants and licensees. The Commission has maintained for some time now that the official Amateur Radio license authorization is the electronic record that exists in its Universal Licensing System (ULS). The FCC will continue to provide paper license documents to all licensees who notify the Commission that they prefer to receive one.

Licensees also will be able to print out an official authorization — as well as an unofficial “reference copy” — from the ULS License Manager.

I’ve created a set of instructions on how you can request an “official” printed copy of your license\* [Click here to download the instructions](#)



## Thanks & 73

**J.C., KC8JC**  
PCARS Newsletter Editor



I don't know about you, but I've been loving the extended warm temperatures we've been having lately. I'm reasonably sure it's because I put the hard top back on my Jeep a bit early this season. If that's the case, you're welcome! But it does seem like things are about to cool down. Probably time to finish up those antenna projects and do any digging that needs to be done as soon as you can. I know I have a feedline to bury and a few things to do to winterize my antenna situation.

We have a lot going on with the club and I know that everyone is busy as kids go back to school and we get ready for that time of year when things are colder and darker. But we need to make sure we show up for the club and do what we can. If everyone does a little, it's amazing what can get done!

Send your inputs on any ham radio topic to me at [KC8JC@portcars.org](mailto:KC8JC@portcars.org) and you will find yourself in the great company of our many prestigious *Award Winning Newsletter* contributors.

Thank you to all those who sent inputs for this month's issue:

**AC8NT, IW4CLV, K8CAV, K8ZT, KA8TOA, KB8UUZ, KD8WCK, KE8RIQ, KP4VZ, N8QE, W8PT, WA8LRW, WG8X and the World Wide Web.**

Remember: With **YOUR** continued help, **WE** can keep making this a **GREAT** newsletter!



# 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](http://www.PORTCARS.ORG)



~ 2024 Officers ~	2024 PCARS Appointments & Committees		
President - Mike Gonzalez - KP4VZ Vice President - Ken Hall - WA8LRW Treasurer - Greg Ash - KA8TOA 1 Year Trustee - Chuck Patellis - W8PT 2 Year Trustee Mike Ryan - KB8TUY 3 Year Trustee - Gene Marsh - W8NET Past President - Nick Wagner - AC8QG	ARRL Awards - DXCC	W8KNO	Joe Wehner
	Club Site Manager/Liaison	K8CAV	Rick Kruis
	Contest Coordinator	W8PT	Chuck Patellis
	EchoLink	AC8NT	Jim Wilson
	Field Day Chairman, 2024	WA8AR	Tony Romito
	FYAO Chairman	W8PT	Chuck Patellis
	K8BF Callsign Trustee	N8QE	Bob Hajdak
	K8BF QSL Manager	N8QE	Bob Hajdak
	Membership Chairman		
	Net Control Coordinator	KA8TOA	Greg Ash
	Newsletter Editor	KC8JC	J.C. Wilson
	OSPOTA Chairman	KB8UUZ	Tom Parkinson
	PCARS Photographer		
	Public Information Officer		
	~ Meetings & Net ~	Secretary	KE8EGF
2nd Monday of each month, 7pm Thursday night Club Net at 8 pm on 146.895	Social Media	N8WCP	Mike Szabo
	Tech, Gen & Extra Class Mgr.	AC8NT	Jim Wilson
	Volunteer Examiner Liaison	KB8UUZ	Tom Parkinson
	Webmaster	KP4VZ	Mike Gonzalez
	POTA Coordinator	KE8ARB	Brandon Mercer

 Active PCARS Volunteer Examiner Team Members	KB8UUZ	Tom Parkinson
	AC8NT	Jim Wilson
	AC8QG	Nick Wagner
	N8QE	Bob Hajdak
	KA8TOA	Greg Ash
	WA8CCU	Al Nagy
	N8FUM	Dan Torchia
	KC8JC	James "J.C." Wilson
	W8EC	Mark Haas
	K8IG	Fred Freer
	W8HFZ	Tim McLeod
	K8PJW	Phil Weiss
N8XTH	Deron Boring	
K8IV	Ed Polack	
N8AMY	Amy Leggiero	
W8PT	Chuck Patellis	
KP4VZ	Mike Gonzalez	

## THE RADIOGRAM

PCARS Incorporated  
Nov. 1, 2005

First Meeting  
Nov. 14, 2005



ARRL Affiliation  
April 20, 2006



Special Service Club  
March 22, 2010

The RADIOGRAM copyright ©2024, is the official newsletter of the Portage County Amateur Radio Service, Inc. (PCARS) - Hamvention® 2018 Club Of The Year. The RADIOGRAM is an Award Winning newsletter: ARRL Ohio Section Newsletter - Fourth Place 2024 - Third Place 2015, 2022 - Second Place 2014, 2016, 2020 - First Place 2012, 2013, 2017, 2018, 2019, 2021, 2023. 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 KC8JC@portcars.org. The RADIOGRAM always obtains written permission for reproducing copyright material. The RADIOGRAM comes out the first day of each month (usually), please have inp uts 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. Legend has it that some of these little guys and gals got loose from Kent State University back in 1961 and they migrated and thrived throughout our county. Look into the black squirrel legends and see what you find! **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: KC8JC@portcars.org

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

