



The **RADIOGRAM**
Official Newsletter of the Portage County Amateur Radio Service, Inc.
PCARS - 2018 Hamvention® Club of the Year

VOLUME 20 - NUMBER 12 - DECEMBER 2025



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



In This Issue Of

The RADIOGRAM

Volume 20 - December 2025 - Number 12

Feature Articles

From the PCARS President	3
PCARS 2026 Officers	5
Field Day 2025 - Final Results	6
On The Road	8
Carole Perry Young Professional Award	10
The Pioneer of Digital Communication: Émile Baudot's Enduring Legacy	11

Regular Departments

PCARS Birthdays	4
From Around The World	4
PCARS on YouTube	14
PCARS groups.io	14
PCARS Stickers and Patches	14
PCARS Coffee Cups	15
K8BF Net News	15
Charlie The Tuner's DX High-Lites	17
Charlie The Tuner's Contest Update	20
Mark Your Calendar	21
Hamfest Calendar	21
Ham License Plates Wanted	24
PCARS Monthly Meetings	25
VE Testing Information & News	26

Special Interest Groups (SIG)

Antenna SIG	16
POTA SIG	16
Linux & Raspberry Pi	19
PCARS Flex Net	19

Finals

Thanks & 73	28
Fine Print	29

PCARS 2026 Officers



President
Greg - KA8TOA



Vice President
Tom - WB8LCD



Treasurer
Paul - KE8EGF



Jim, AC8NT
PCARS President



This will be my last monthly report as President. I want to thank everyone for their help and support this year. I know the team that has been selected for next year will do a great job. Remember, they will need your help.

Center of Hope

I want to thank everyone for their kind donations to the Center of Hope. This year we collected over \$11000 to help supply food to the less fortunate in Portage County. We can all be very proud of our support for this great organization.

Christmas Dinner

If you have not already made reservations for the Christmas Dinner, you need to get that done. There is a link on our home page portcars.org for making your reservations. We always have a great time at this event, so plan to attend.

Future VEC Testing

From this December forward, the ARRL is requiring digital testing for all license examination. This significantly reduces their costs and speeds the process for receiving your new license or upgrade. Testing is done using one of the club's computers. The new process required the examinee to contact us at VEC@portcars.org prior to the test date. We will then send them an invitation email that contains information on completing the on-line form 605. This is a significant change to our testing. However, it reduces paperwork and speeds up getting your license or upgrade. It also provides information on the questions missed if the person fails the exam. There are no time limits on the test. They can take as much time as they need. Please see the VE Testing information later in this newsletter for much more information.

College Ham Radio Clubs

I decided to visit the Akron Ham Radio Club W8UPD in November. It is in the Auburn Science and Engineering Center (ASEC) on the fifth floor. They have 16 members currently. Their shack is equipped with a ICOM 7300 supplied by DXE and a couple of older Yaesu models. We discussed current projects including a balloon launch in the Spring and the possibility of running Winter Field Day. It is an active club, often on the air and meeting each week. I invited them to visit our club and attend our monthly meeting in January.

The Mt. Union club has applied for its club call. It is now in membership development with about 8 members. License classes start January 8th using the "Jump" materials that allow applicants to prepare to take the Tech and General exams on the same day. The club is now associated with IEEE to make it a permanent activity within the University.



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We have been working with colleges to connect ham radio with IEEE. This provides cover of ham radio under a recognized national organization. It also provides IEEE members with practical experience in RF. This is a win-win situation for both organizations.

Future Builds

I have been looking at several build opportunities for early in 2026. Most are receivers using microcontrollers. All have a cost of less then \$40. If any of you has a suggestion for a build, please let me know. We have a great time at these events and often learn something new.

That's it for my last note as President. Again, thanks for all the help and encouragement you provided in 2025. Next year will be great. Looking forward to it.

Jim, AC8NT

Happy Birthday PCARS Members



N8XTH	Deron
N8AMY	Amy
K5JMS	John

KD9ZDY	Stephen
KP4VZ	Mike
K8IV	Ed

KD8QDZ	Christopher
KB8UHN	John
KA8TOA	Greg

From Around The World...

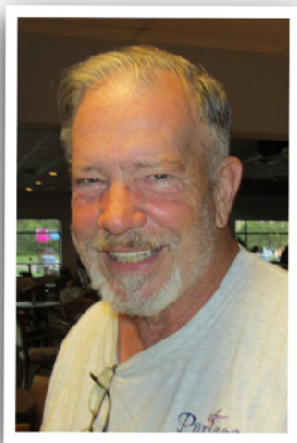


Santa Net on 3.916 MHz returns for its 20th consecutive year. Part of **The 3916 Nets**, Santa Net will kick-off on November 28th and run through December 23rd. The net will be active Thursday through Saturday night until December 18th at which point the net will run nightly.

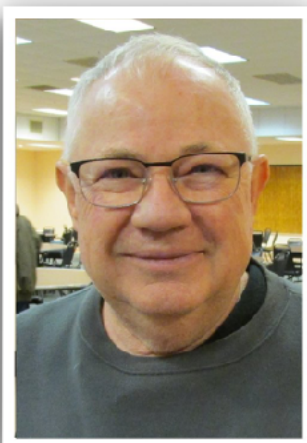
EvoHam.com recently **launched** as a resource for amateur radio operators interested in digital voice modes. The new site focuses on DMR, D-STAR, Yaesu Fusion, P25, NXDN, M17, and FreeDV with how-to guides, reviews, and tutorials.

AMSAT reports that **AO-73**, also known as FUNcube-1, has reached its 12th birthday.

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President
Greg - KA8TOA



Vice President
Tom - WB8LCD



Treasurer
Paul - KE8EGF



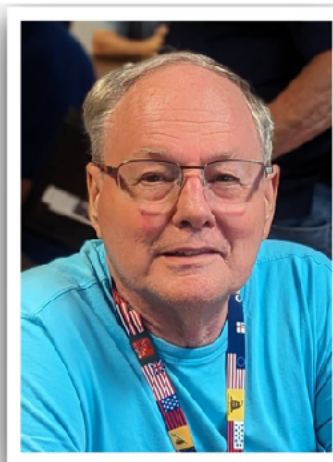
1-Year Trustee
Gene - W8NET



2-Year Trustee
Tom - KB8UUZ



3-Year Trustee
Bob - N8QE



Past President
Jim - AC8NT

Field Day 2025 - Final Results

Tony, WA8AR & Rick, K8CAV

Field Day Chairman

Field Day Co-Chairman

The 2025 Field Day Results have been released by ARRL. PCARS came through pretty good considering the bands were not as cooperative in the past. You can visit the ARRL website to more results for all the entrants for Field Day 2025.

In all categories - PCARS came in 24th Place

	Call	Score	Cat	Sec	Club Name
1	W3AO	36854	10A	MDC	Potomac Valley RC
2	KK5W	20296	10A	STX	Brazos Valley ARC
3	W9SU	20272	4A	IN	Indy United ARC
4	K6EI	19710	7AB	SCV	West Valley ARA
5	K7LED	17865	6A	WWA	Mike & Key ARC
6	W1NVT	17730	2A	VT	Radio Amateurs of Northern VT
7	K4BFT	17289	4A	AL	Huntsville ARC
8	K2AA	15707	7A	SNJ	South Jersey Radio Assn.
9	K4MN	15440	2A	NC	Cape Fear ARS
10	W1SYE	15296	2A	RI	Newport Co. RC
11	K4JJ	14344	3A	GA	North Fulton ARL
12	N1A	14020	2AB	WMA	510 Radio Grp.
13	N0SZ	13919	4A	CO	Rocky Mountain Ham Radio
14	K5CM	13878	2A	OK	Muskogee ARC
15	W2MMD	13653	9A	SNJ	Gloucester Co. ARC
16	K4FC	13501	7A	NFL	Lake ARA
17	W9NE	13128	8A	IL	Fox River Radio League
18	AA4RV	12964	6A	NC	Franklin Co. (NC) ARC
19	AJ4A	12400	6A	KY	Central KY ARS
20	W6ZE	12119	5A	ORG	Orange Co. (CA) ARC
21	N3IC	12088	3A	MDC	Randallstown ARC
22	K9SS	12027	3A	IL	North Shore RC
23	K4SV	11945	2A	SC	Greer ARC
24	K8BF	11672	4A	OH	Portage Co. ARS
25	W4NC	11539	8A	NC	Forsyth ARC
26	W0ERH	11403	3A	KS	Johnson Co. Radio Amateurs Club
27	W2RC	11160	2AC	NLI	Radio Central ARC and Order of Boiled Owls of NY

In our category of 4A Stations - PCARS came in 4th Place

1	W9SU	20272	4A	IN	Indy United ARC
2	K4BFT	17289	4A	AL	Huntsville ARC
3	N0SZ	13919	4A	CO	Rocky Mountain Ham Radio
4	K8BF	11672	4A	OH	Portage Co. ARS
5	WX4E	10805	4A	WCF	Charlotte ARS

In the 4A Great Lakes Division (MI,OH,KY) - PCARS came in 1st Place

1	K8BF	11672	4A	OH	Portage Co. ARS
2	W8CWO	4266	4A	OH	Steubenville-Weirton ARC
3	KE8RV	3174	4A	OH	Madison Co. (OH) ARC
4	W8ZX	2950	4A	OH	Tusco ARC

In 4A Ohio - PCARS came in 1st Place

1	K8BF	11672	4A	OH	Portage Co. ARS
2	W8RP	10650	4A	MI	Arrow Comm. Assn.
3	K8UNS	8150	4A	MI	Livonia ARC/Ford ARL
4	W8CWO	4266	4A	OH	Steubenville-Weirton ARC



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John, WG8X



What's keeping you at home?

One recurring theme in my writing is to not wait when planning an activation. If you are always waiting for the perfect set of circumstances (or equipment), you'll be forever waiting. This is also true in life. I see far too many Hams who want to get out and activate a park, but are waiting for the perfect POTA Rig, the Perfect Antenna, the perfect band conditions, etc. But they probably already have all that's needed.



I feel that the perfect rig and antenna for POTA are usually the gear that you are fortunate enough to have. No, I'm not suggesting you bring your Drake TR4 out to the field, though it might be an interesting activation if you can figure how to power it.

Conditions are another thing that keep people stuck at home; be it weather conditions, or band conditions. People sometimes talk themselves into staying home based on what they feel are marginal conditions. In fact, POTA activators have done plenty of successful activations in less than perfect conditions.

I like to say that the bands are usually open to someplace. It may take you longer to get your 10 contacts, but you'll still have fun.

(POTA has a 10-contact minimum for an activation to count. Anything less counts as an attempted activation).

“But there's a contest going on, what do I do about that?” Well, sometimes you can switch modes; not all contests are multi-mode. Or you can use the WARC bands, where contests are not allowed.

So get out there and activate something this weekend.

I haven't hit the parks as much as I'd like to have in November. Between yardwork, and some other challenges, it just didn't happen. But, as we approach Thanksgiving, I've been able to do a few local activations. Not a lot, but enough to keep me happy.

What I'm really looking forward to is Black Friday. No, I'm not shopping, but rather planning my annual Rove of POTA Parks. I'm a big fan of REI's "OPT-OUTSIDE" program, so a Black Friday POTA rove just makes sense.

REI is a Seattle based outdoor co-op chain specializing in outdoor equipment. In 2015, they asked themselves "what would happen if we closed on Black Friday"? This question grew into their Opt-Outside program, where people are encouraged to forgo the normal madness and get out to enjoy our wonderful park systems.

A Black Friday Rove puts an Amateur Radio spin on it, by encouraging folks to get out and activate some parks. On this day, I like to travel out of my normal area and activate new-to-me parks. This year, it'll be the West Virginia Panhandle. Starting in Wheeling and heading south from there seems to have all the makings of a fun day.

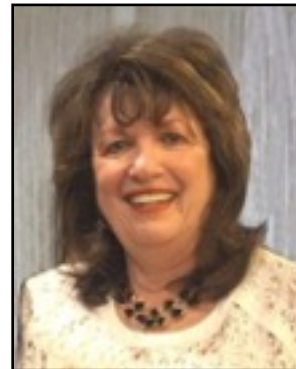
I'm writing this a few days before Thanksgiving Day, so a full wrap-up will have to wait till next month. In the meantime, go out and activate something.

73 DE WG8X



Carole Perry Young Professional Award

Carole Perry, WB2MGP



Radio Club of America's 2025 Carole Perry Young Professional Award

Dr. Kristina Collins KD8OXT is the winner of the Radio Club of America's 2025 Carole Perry Young Professional Award. Dr. Collins' voice is the one heard on the hourly announcements on WWV and WWVH as part of the WWV/H Scientific Modulation Working Group.

She is also the Chief Operations Scientist for the HamSCI Personal Space Weather Network.

I am extremely proud of this most worthy recipient.

Carole Perry WB2MGP, Chairperson RCA Youth Activities



The Pioneer of Digital Communication: Émile Baudot's Enduring Legacy

Courtesy of The Communicator

November-December 2025 Issue

The Pioneer of Digital Communication: In an era when the world was just beginning to shrink through the magic of instantaneous communication, one man's ingenuity laid the groundwork for the digital age. Émile Baudot, a French telegraph engineer born in the mid-20th century, might not be a household name like Thomas Edison or Alexander Graham Bell, but his inventions revolutionized how information traveled across vast distances. His creation of the Baudot code and a multiplexed printing telegraph system not only multiplied the efficiency of telegraph lines but also introduced principles of digital encoding that echo in today's computers, smartphones, and internet protocols. The unit of data transmission speed, the "baud," bears his name—a testament to his profound impact on telecommunications. As we navigate a hyper-connected world in 2025, where data flows at gigabits per second, it's worth pausing to explore the life and work of this unsung hero who helped make it all possible.

Baudot's story begins in the rural heart of France, far from the bustling innovation hubs of Paris. Born on September 11, 1845, in the small village of Magneux in Haute-Marne, Jean- Maurice-Émile Baudot was the son of Pierre Émile Baudot, a modest farmer who later rose to become the mayor of their community. Growing up in a time when France was undergoing rapid industrialization under Napoleon III, young Émile's early life was steeped in the simplicity of agrarian existence. His formal education was scant, limited to the local primary school, where he learned the basics of reading, writing, and arithmetic. By his early teens, he was already toiling on his father's farm, handling chores that built his practical skills and resilience. This hands-on experience with machinery and problem-solving would later prove invaluable in his engineering pursuits.

Despite his humble beginnings, Baudot's curiosity about the world beyond the fields propelled him forward. In 1869, at the age of 24, he seized an opportunity to join the French Post & Telegraph Administration as an apprentice operator. This was a pivotal moment, as the telegraph was then the cutting-edge technology of the day, akin to the internet in our time. Baudot underwent rigorous training in Morse code and the operation of telegraph systems. He also completed a four-month course on the Hughes printing telegraph instrument, a device invented by David Edward Hughes that printed messages on paper tape. This exposure ignited his inventive spark, planting the seeds for his future breakthroughs.

The Franco-Prussian War of 1870-1871 interrupted Baudot's budding career. Like many young Frenchmen, he served his country during the conflict, which saw France's defeat and the fall of the Second Empire. Upon returning to civilian life in 1872, he resumed his duties in Paris, where the Telegraph Service recognized his potential and encouraged him to innovate. The post-war period was one of reconstruction, and the demand for efficient communication was skyrocketing. Telegraph lines were overloaded, with single wires carrying only one message at a time using Morse code, leading to bottlenecks in an increasingly interconnected Europe.

It was in this context that Baudot began tinkering with ideas to optimize telegraphy. By 1870, he had already conceived his famous telegraph code, a 5-bit binary system that represented letters, numbers, and symbols using combinations of on and off signals. This was groundbreaking because, unlike Morse code's variable-length dots and dashes, Baudot's code used fixed-length sequences of five units, making it more suitable for machine automation. Each "bit" was an equal interval of current or no current, allowing for precise synchronization. He patented this code in 1874, but it was just the beginning.

Baudot's true genius shone in his development of a multiplexed printing telegraph system, which allowed multiple messages to be sent simultaneously over a single wire. Drawing inspiration from the Hughes printer's mechanism (patented in 1855), a distributor invented by Bernard Meyer in 1871, and the five-unit code pioneered by physicists Carl Friedrich Gauss and Wilhelm Weber in the 1830s, Baudot synthesized these elements into a cohesive system. His apparatus featured a keyboard with five piano-like keys—two operated by the left hand and three by the right—designed for ergonomic efficiency and easy memorization of codes. Operators would press combinations to generate the 5-bit signals, maintaining a rhythm of about 30 words per minute.

At the heart of the system was time-division multiplexing (TDM), one of the earliest applications of this technique. Synchronized clockwork switches at both ends of the line divided the transmission time into slots, allowing up to five (and later more) messages to interleave without interference. The receiver used electromagnets to store incoming signals temporarily before printing them on paper tape. A “cadence signal” provided an audible click to keep operators in sync, ensuring the system’s reliability. This not only quadrupled or quintupled the capacity of existing lines but also reduced costs significantly, as fewer wires were needed for high-volume traffic.

The French Post & Telegraph Administration adopted Baudot’s multiplex system in 1875, marking its first practical deployment. The inaugural online test occurred on November 12, 1877, between Paris and Bordeaux, proving its viability over long distances. By the end of that year, it was operational on the 1,700-kilometer Paris-Rome line in duplex mode, handling bidirectional traffic. The system’s international debut came at the 1878 Exposition Universelle in Paris, where it captivated audiences and earned Baudot a gold medal. This exposure propelled his invention onto the global stage, leading to widespread adoption.

Throughout the 1880s and 1890s, Baudot continued refining his technology. In 1887, he successfully tested it on the transatlantic cable, demonstrating its robustness over oceanic distances. By 1890 and 1894, he established communications using single wires for multiple channels, pushing the boundaries of efficiency. In 1897, he introduced an upgrade using punched tape, where messages were prepared offline on paper with five rows for the code and a sixth for mechanical transport. This innovation separated composition from transmission, boosting speed and accuracy. The Baudot code evolved into the standardized International Telegraph Alphabet Number One, influencing later codes like ASCII.

Adoption spread like wildfire: France led the way, followed by Italy in 1887, the Netherlands in 1895, Switzerland in 1896, Austria and Brazil in 1897, Britain between 1897 and 1898, Germany in 1900, Russia in 1904, the British West Indies in 1905, Spain in 1906, Belgium in 1909, Argentina in 1912, and Romania in 1913. Baudot’s system became the backbone of international telegraphy, facilitating commerce, diplomacy, and news dissemination in an era of colonial expansion and global trade.

Yet, success did not come without hurdles. Baudot often funded his experiments out of pocket, facing indifference from the Telegraph Administration. In a poignant episode, he sold his 1878 gold medal in 1880 to finance further research, highlighting the personal sacrifices behind his achievements. His career advancements were steady but modest: promoted to Controller in 1880 and Inspector-Engineer in 1882.

On a personal front, Baudot’s life was marked by tragedy and health struggles. He married Marie Josephine Adelaide Langrognon on January 15, 1882, but she passed away just three months later on April 9, 1890. Baudot himself suffered from physical ailments starting soon after entering the telegraph service, leading to frequent absences. These issues, possibly related to the stresses of his work or underlying conditions, persisted until his death on March 28, 1903, in Sceaux, near Paris, at the age of 57.

Despite these challenges, Baudot’s contributions were richly honored during his lifetime. He received the Diploma of Honor at the 1884 International Electrical Exposition, a gold medal from the Société d’Encouragement pour l’Industrie Nationale in 1882, and the Ampere Medal from the same society in 1889. Knighthoods followed: Chevalier of the Légion d’honneur in 1878 (promoted to Officier in 1898), Order of Leopold from Belgium in 1882, Order of Franz Joseph from Austria in 1884, Order of the Crown of Italy in 1891 and 1901, and Order of Saints Maurice and Lazarus from Italy in 1900. A street in Paris’s 17th arrondissement once bore his name, though it was demolished in 1971 for the Boulevard Périphérique.

Baudot’s legacy extends far beyond awards. His work bridged the analog world of Morse to the digital realm, influencing modern computing and data transmission. The Baudot code predated EBCDIC and ASCII, serving as an early character set for digital communication. Multiplexing principles he pioneered are fundamental to today’s telecommunications, from telephone networks to broadband internet, where TDM and its variants like frequency-division multiplexing enable massive data throughput.

In 1926, the International Telegraph Communications Advisory Committee immortalized him by naming the unit of telegraph speed the “baud,” measuring symbol rate per second. Though often confused with bits per second, the baud remains a key metric in signal processing.

Baudot’s innovations also paved the way for teletypewriters and early computer interfaces, contributing to the evolution of information technology.

Reflecting on Baudot's life, one sees a narrative of perseverance amid adversity. From farm boy to telegraph pioneer, he embodied the spirit of the Industrial Revolution, turning theoretical ideas into practical tools that connected the world. In our digital age, where communication is instantaneous and ubiquitous, we owe a debt to this French engineer's vision. Émile Baudot didn't just invent a code; he encoded the future.

The Baudot code is a five-bit binary code, with each character represented by a fixed-length combination of five bits (on/off or mark/space). This allowed efficient, synchronized digital transmission and underpinned the first practical time-division multiplexed telegraph system. This translates to five signal pulses for each letter, with Marks (on) and Spaces (off) sent at set time intervals.

The original keyboards had five piano-type keys—two for the left hand, three for the right. It encodes letters, figures, punctuation, and control signals. Shift codes are used to toggle between "letters" and "figures" modes, thereby doubling the code's capacity.

Each operator's input is scanned in turn (using a distributor) and transmitted as sequential bits on a shared line. The receiving end decodes each five-bit group into the corresponding symbol. Reliable operation required the transmitter and receiver's distributors to remain in exact sync, prompted by audible cadence signals. Typical operator speed was about 30 words per minute. Circular device with brushes for channel multiplexing/scanning.

Character	Baudot (Binary)	"Mark"/"Space"	Decimal
A	00011	Space Space Mark Mark Space	3
B	11001	Mark Mark Space Space Mark	25
C	01110	Space Mark Mark Mark Space	14
D	01001	Space Mark Space Space Mark	9
E	00001	Space Space Space Space Mark	1
Space	00100	Space Space Mark Space Space	4

Later improvements used punched paper tape—five holes per row for each bit, with an extra row for tape transport.

The International Telegraph Alphabet No. 1 (ITA1) standardized the Baudot code before it later evolved into more complex codes like ITA2, and, much later, ASCII.

The "baud" rate, a measure of signal units per second, was named for Baudot and remains a core metric in digital communication.

The Baudot code combined simplicity, speed, and efficiency, foreshadowing binary encoding standards used in computing and networking today.

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<https://ve7sar.blogspot.com/search/label/SARC%20Communicator>

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.

<https://youtube.com/@portagecountyamateurradios1933?si=09-NxUpDOoqdqTzc>



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>



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 Red, Black, and Blue. Cost for a patch is \$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. Reach out to the club treasurer for details.



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

PORTAGE COUNTY AMATEUR RADIO SERVICE, INC
PCARS

EST. 2005

Greg KA8TOA Net Control Coordinator



I want to wish everyone involved with PCARS a very Happy Thanksgiving. The weather is changing, this time of year becomes busier, and all of us should be thankful for our families and loved ones. As I get ready to take over the presidential duties, I hope to be as good as our past presidents and I hope to get the continued support from our members and board to continue to make this a great club as in the past. I know we will continue to accomplish our normal functions and add a few more things, Please remember to keep all our members and their family members who are ill in our prayers this holiday season. I am looking forward to see all of you at the club Christmas Meeting and remember to sign up for it on the web site and to pay your dues by November 30th. Go BUCKS and have fun, be safe.

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 that you have to claim it from the **Treasurer**. There is a list of current members and the treasurer 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 the Treasurer for details:** treasurer@portcars.org

Swap-N-Shop

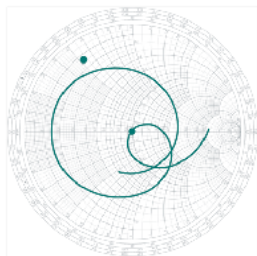
FOR SALE WANTED FOR SALE WANTED FOR SALE

For Sale: Yaesu FT-2000 160 - 6 Meter Transceiver with FH-2 Remote Control Keypad and CT-119 Programming Cable \$800.00 for everything. Original boxes are available. Geocron GEO-4K-COMP2 new in the box \$150. ARRL 10 - 40 Meter End Fed Antenna Kit new in the box \$50. MFJ-931 Artificial Ground \$75. MFJ-4906S Duplexer \$50. Will consider reasonable offers. Local sales only. Contact Bob Hajdak N8QE at (330) 807-5903 or rhajdak@aol.com. [01/26]

FOR SALE: BRAND NEW Custom-Built desktop PC Specs are as follows: Ryzen 5 5600G 3.9 GHz; 32 gb RAM; 1GB Ethernet LAN; 500gb m.2 SSD; DVI/HDMI video out; 500w power supply; Tempered glass case w/RGB RAM and fans; Linux Mint O/S. (Can be upgraded to Windows 11.); \$650.00; Contact Kyle (330) 562-8898 [01/26]

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: [01/26] indicates the ad will run until the end of January 2026.

Antenna Special Interest Group



Jim, AC8NT
Antenna SIG Coordinator



Our next Antenna SIG will be held at PCARS World HQ on December 16th at 7PM. We will be continuing with our discussion of antenna matching software. I am very sorry I could not make our last SIG. Again, you can get a jump on the discussion by downloading SimNEC and watching the videos online covering its application. If you have any questions about SimNEC installation, let me know with an email (AC8NT@j3solutions.com).

If you can't attend in person, please try to attend via Zoom. Use the following link:

PCARS K8BF is inviting you to a scheduled Zoom meeting.

Join Zoom Meeting

<https://zoom.us/j/96686108444?pwd=hN5hDgTGWwdLBLXkLSeAfVOfSa4nGq.1>

Meeting ID: 966 8610 8444

Passcode: 915088

See you at the SIG!

Jim, AC8NT

POTA Special Interest Group

Hi POTA fans!

Gene, W8NET
POTA SIG Coordinator



Our next POTA SIG meeting will be on Tuesday December 9 @7:00pm at PCARS World Headquarters in Ravenna.

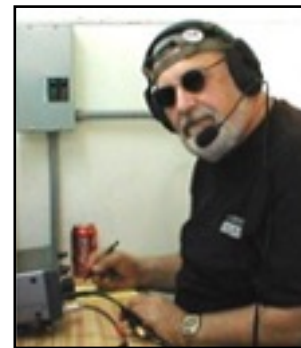
We will discuss plans for a Winter POTA event. Bring your ideas and thoughts.

Please join us in Ravenna, or on Zoom.

73 de W8NET, Gene

Charlie the Tuner's DX High-Lites

Chuck, W8PT
aka "Charlie the Tuner"



Greetings to all DXers:

Well, are you stuffed with turkey and sick of the leftovers yet? It happens. My household does not like turkey. Hurrah for me. I'd rather have chicken if we had to have fowl. But we do well with City Chicken. If you don't know what that is, it's 2" chunks of lean pork put on skewers, breaded, browned and then cooked in a pressure cooker. It melts in your mouth.

OK, that has nothing to do with DX. However, it might be interesting to find out how others celebrate Thanksgiving and Christmas. Christmas is only about 4 weeks away, depending on when you receive this. Have you sent your letters off to Santa asking for a new antenna or rig? Better get that done soon. Who knows if DX Engineering will have the item in stock. DX has a special landing pad on their roof for the sleigh. I'm still waffling about whether to get that Yaesu I want. Just can't pull the trigger. And since Christmas is here, there are other gifts that I have to get for the family. So.... my budget is stretched.

Let's talk about DX. Even though the end of the year is around the corner, there still are many interesting DX events coming up this month and into the new year. Let's take a look at some of them.

As always, big Thank You to: The Daily DX, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites; DL5ON; The DX News Letter, DXNews.com, DX-World.Net, 425 DX News.

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

Here's ClubLog's Top 10 Most wanted DXCC entities:

1. **P5 DPRK (NORTH KOREA)**
2. **BS7H SCARBOROUGH REEF**
3. **CE0X SAN FELIX ISLANDS**
4. **BV9P PRATAS ISLAND**
5. **KH7K KURE ISLAND**
6. **KH3 JOHNSTON ISLAND**
7. **3Y/P PETER 1 ISLAND**
8. **FT5/X KERGUELEN ISLAND**
9. **YV0 AVES ISLAND**
10. **3Y/B BOUVET ISLAND**

December...

4U, ITU HQ. Reminder - Station 4U0ITU is QRV until the end of 2025 to commemorate the International Telecommunications Union's 160th anniversary. QSL direct.

5X, UGANDA. Anders, SM0HPL, is QRV as 5X7W until December 8. Activity is on 80 to 10 meters with QRP power, and using CW, FT8, and FT4. QSL via M0OXO.

8R, GUYANA. Aldir, PY1SAD is QRV as 8R1TM until December 7. Activity is on 160 to 6 meters, generally between 2300 and 0200z, using CW, SSB, and various digital modes. QSL via LoTW.

A5, BHUTAN, Last active in October 2023, Abie AB1F is returning to Bhutan and will again QRV as A52AA until December 5, 2025. Planned activity on 40-10m, SSB. QSL via LoTW, eQSL, QRZ etc.

A9, BAHRAIN. Reminder - Members of the Bahrain Radio Club are active with special call sign A9100IARU the **first five days of each month** to celebrate the IARU's 100th anniversary. QSL via EC6DX.

ANTARCTICA. Reminder - Alex, DL2ALY is QRV as DP0GVN until December. Activity is on 160 to 6 meters using SSB and FT8, and on Satellite QO-100. QSL via DL4BBH.

CE0, EASTER ISLAND. Jorge, CE0YHF, is QRV until the end of December while on work assignment in the Hanga Roa hospital. Activity is in his spare time. QSL direct.

CN, MOROCCO. Yannick, F6FYD will be QRV as CN2YD from now to March 31, 2026. Activity will on 20 to 10 meters using primarily SSB. This includes a possible trip to Mogador Island, IOTA AF-065. QSL direct to home call.

D4, CAPE VERDE. Reminder - A group of operators are QRV with special event call sign D450ICV until December 31 to celebrate the 50th anniversary of the independence of Cape Verde. Activity is on all bands and modes. QSL via LoTW.

DP0, ANTARCTICA. Lasse, DL9LU is QRV as DP0GVN from Neumayer Station II until December 2026 while here on work assignment. QSL via ClubLog.

H44MS, SOLOMON IS. Bernhard, DL2GAC will be active as H44MS from Manakwai village, Malaita Island, IOTA OC - 047, Solomon Islands, during December 2025 and January - April 2026. He will be operating on 40 - 6m SSB and FT8. QSL via home call.

OE, AUSTRIA. Special event call sign OE100OEVSU is QRV until December 31, 2025, to celebrate the 100th anniversary of the Austrian Amateur Radio Society. QSL via bureau.

OK, CZECH REPUBLIC. Members of the Czech Radio Club are QRV with special call sign OL100IARU until the end of the year to celebrate the 100th anniversary of the IARU. Activity is on all bands and modes. QSL via operators' instructions.

ON, BELGIUM. Special event station OT5IDPD is QRV until December 3 to call attention to the International Day for Persons with Disability. QSL via bureau.

PA, NETHERLANDS. Special event station PA40MARAC is QRV until December 31 to celebrate the 40th anniversary of the Dutch Marine Radio Amateur Club. QSL via PA3CNI. QSL via home call buro, direct, LOTW, eQSL.

TL, CENTRAL AFRICAN REPUBLIC. Darek, TJ1GD is QRV as TL8GD from Bangui for the foreseeable future. Activity is on the HF bands using CW, SSB, and FT8. QSL via LoTW.

TY, BENIN. Red, DL1BUG will be QRV as TY5FR from Cotonou until December 11. Activity will be on 80 to 10 meters. This includes an entry in the upcoming CQ Worldwide DX CW contest. QSL to home call.

TZ, MALI. Jeff, K1MMB will be QRV as TZ4AM through December. Activity will be on 80 to 6 meters using CW and SSB. Look for the TZ4AM/B beacon on 50050.5 kHz. QSL via KX4R.

V7, MARSHALL ISLANDS. Randall, KX4QD is QRV as V73HW for the next two years. Activity is in his spare time on 80, 40, 20, 15, and 10 meters using SSB and FT8. QSL direct to home call.

VR, HONG KONG. Members of the Hong Kong Amateur Radio Transmitting Society are active with special call sign VR100IARU until December 2025 to celebrate the centenary of the IARU. QSL via bureau.

VU, INDIA. Datta, VU2DSI is QRV as AU2JCB until December 15 to celebrate the birthday of Jagadish Chandra Bose. Activity is on the HF bands using SSB. QSL direct to home call.

XU, CAMBODIA. Russian Robinson team and Miller DX Club members will be active from **Koh Ta Kiev Island, AS-133** as **XU7RRC** until December 3, 2025. QRV on HF bands. QSL via RZ3EC, LoTW.

ZS, SOUTH AFRICA. Special event stations ZS100SARL, ZS6SRL, and ZS9HQ are QRV during all of 2025 to celebrate the 100th anniversary of the South African Relay League. QSL via LoTW.

Looking Ahead & Other Reminders...

9V, SINGAPORE. Reminder - Eric, KH6WI, is QRV as 9V1EO for the next two years. Activity is on Satellite QO-100 using FT8 and FT4. QSL via LoTW.

J3, GRENADA. Rikk WE9G will again be back on his travel – this time to Grenada. Plans are to be QRV as **J3WG** during January 1-16, 2026; running SO2R on 16906m; mostly FT8 with some CW & SSB. Possible SOTA activity too.

JD1, MINAMI TORISHIMA. Take, JG8NQJ is QRV as JG8NQJ/JD1 until December while working at the weather station here. Activity is in his spare time on the HF bands using CW and some FT8. QSL direct to JA8CJY.

PJ7 – FS, SINT MAARTEN & St. MARTIN. Flavio IW2NEF plans activity from both PJ7 and FS during January 13-21, 2026. While operating from Saint Martin he will be mobile using a 20m vertical antenna. Also QRV on other HF bands from Sint Maarten; SSB, FT8, FT4. QSL via Club Log OQRS, buro, LoTW.

V5, NAMIBIA. Gunter, DK2WH is QRV as V51WH from Omaruru until March 24, 2026. Activity is on 160 to 6 meters using SSB, RTTY, FT8, and some CW. He will be active as V55Y in various contests. QSL to home call.

V7, MARSHALL ISLANDS. John, K5GDE, is QRV as V73WW from Kwajalein, IOTA OC-028, until January 2026. He is active on 40 to 10 meters using FT8. QSL to home call.

XX9, MACAO. DX Friends have announced a new DXpedition planned for March 19-31, 2026. QRV on HF bands + 6m. Team of 14 operators. Full details will follow on their official website found [here](#) (site currently under construction).

ZL, NEW ZEALAND. Members of the New Zealand Association of Radio Transmitters are QRV with special call sign ZL100C until August 2026 in celebration of the 100th anniversary of the club's founding. QSL via bureau.

Disclaimer: As you know, these DX events can change due to various reasons that sometimes are out of the control of those who are doing the planning. Be patient. I'm hoping that you use this info to hunt down your ATNO or simply to work some DX before your rigs become boat anchors or you become a boat anchor yourself!

Come on! There's still a lot going on this month and the beginning of the new year. Get on the air and work some DX!! Get that ATNO confirmed. As I always say, "WOBBLE THE ETHERS!!" Blow the dust off those rigs and get the solid-state stuff and even the tube stuff, on the air. 73 for now....Chuck W8PT aka Charlie the Tuner

Linux and Raspberry Pi Special Interest Group

Greetings all!

Gene, W8NET

Linux & Raspberry Pi SIG Coordinator

Our next Linux & Raspberry Pi SIG meeting will be on Tuesday December 2 @7:00pm at PCARS World Headquarters in Ravenna.

In November 13, we had another Linux & Raspberry Pi Workshop. Mike, KP4VZ, made a presentation of many Raspberry Pi installations. It was awesome!

No meeting in January, but we could do another Workshop. Look for a QST in early January.



PCARS Flex Net

November's Flex Net was on 10M USB. K8IV, KA8TOA, N8QE, and KB8TUY checked into the net.

December's Flex Net will be on Wednesday the 10th at 8:00PM. We're going to test MT63-2KL via the 146.895 repeater. This a great opportunity for any club member to try their hand at digital on 2M. All that's required is a computer and fldigi. While a sound card connected to your radio is the best solution, I've decoded MT63 just holding a computer mic to the radio speaker and the radio mic to the computer speaker to transmit. Hope to hear you on the net!

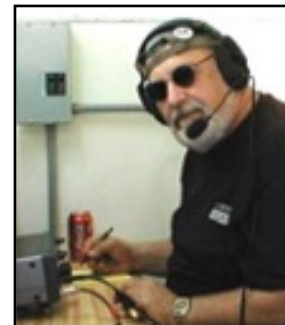
Mike, N8WCP

Flex Net Coordinator



Charlie the Tuner's December 2025 Contest Update

Chuck, W8PT
aka "Charlie the Tuner"



Greetings to My Fellow PCARS Contesters and anyone else interested in Contesting:

K8BF Scheduled Contests for 2025

Freeze Your Acorns Off	Feb 15	Completed
Idaho and Wisconsin QSOPs	Mar 8-9	Completed
Florida QSOP	Apr 26-27	Completed
7th Call Area QSOP	May 3-4	Completed
Indiana QSOP	May 3-4	Completed
Delaware QSOP	May 3-4	Completed
New England QSOP	May 3-4	Completed
ARRL International Digital Contest	June 7-8	Completed
Field Day	June 28-29	Completed
NA QSOP RTTY	July 19-20	Completed
Ohio QSOP & BBQ	Aug 23-24	Completed
OSPOTA	Sep 6	Completed
Washington Salmon Run	Sep 20-21	Completed
California QSOP	Oct 4-5	Completed

Please note that the K8BF contest schedule for 2025 is now complete.

In December we have the following for those interested in participating on their own:

ARRL 160 Meter Contest	Dec. 5-7
ARRL 10 Meter Contest	Dec. 13-14
ARRL Rookie Roundup, CW	Dec. 21
Stew Perry Topband Challenge	Dec. 27-28

So that closes out 2025. 73 for now, and hope to hear you on the bands in 2026. Charlie the Tuner.

Other contests decided upon by the contest committee might be run from Members' QTHs using the club call with our License Trustee's prior permission. Of course, they will also have to adhere to their specific station license requirements.

*Contests that appear in BOLD are ones in which K8BF will participate.

PORTAGE COUNTY AMATEUR RADIO SERVICE, INC
PCARS

EST. 2005

Mark Your Calendar!

PCARS December 2025 Schedule of Events

December 1st	PCARS Board Meeting
December 6th	VE Test Session
December 8th	PCARS Monthly Meeting - Holiday Dinner

Special Interest Groups at the Club Site

1st Tuesday Odd Months	Digital Special Interest Group - Moderator: Rick, K8CAV
1st Tuesday Even Months	Linux & Raspberry Pi Special Interest Group - Moderator: Gene, W8NET
2nd Tuesday	Portable Ops Special Interest Group - Moderator: Gene, W8NET
3rd Tuesday	Antenna Special Interest Group - Moderator: Jim, AC8NT
4th Tuesday	DX & Contest Special Interest Group - Moderator: Chuck, W8PT
5th Tuesday	Could Be Anything Special Interest Group - Moderator: Rick, KD8WCK

Hamfest Calendar

12/6 - FCARC Winter Hamfest - Delta, OH
<https://k8bxq.org/hamfest>

01/18 - SCARF Hamfest - Shade, OH
<https://www.arrl.org/hamfests/scarf-hamfest-4>

01/31 - Struthers ROAR Mid-Winter Hamfest - Struthers, OH
<https://www.arrl.org/hamfests/struthers-roar-mid-winter-hamfest>



PCARS K8BF

The club that puts the FUN in ham radio





PCARS Meeting - 10 Nov 2025



PCARS Meeting - 10 Nov 2025

PCARS Ham Radio License Plates Wanted!

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 over 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.

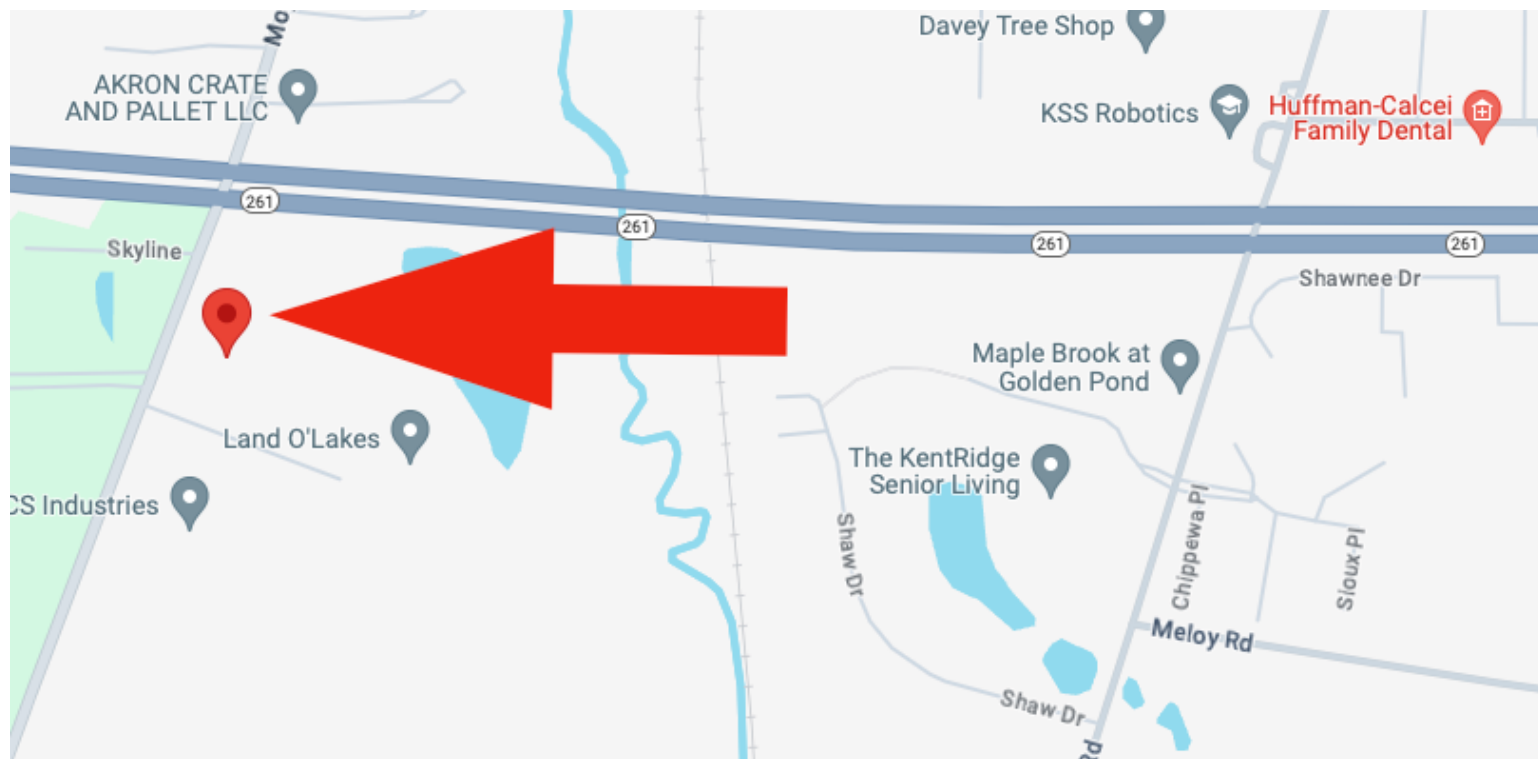
All plates will be mailed directly to the address on your registration card. The deputy will issue your registration card, stickers and provide you with a permit which will allow you to operate your vehicle while your plates are being manufactured. Special license plate applications are available at 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 **2nd 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 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.

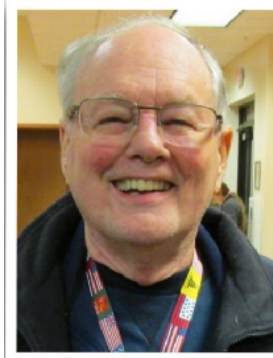


Future Dates:

- December 6th
- February 1st
- April 5th
- June 7th
- August 2nd

Check the website for the latest information

Jim, AC8NT
PCARS VE Team Liaison



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. As of December 6th PCARS will be using the new Exam Tools for testing. This new process will provide instant grading and tell examinees whether they passed or failed immediately after finishing the exam. Most will receive their calls and upgrade within three business days of passing the test. However, it does change what is needed for testing.

1. Examinees must send an email to VEC@portcars.org before the test date. You will then receive an email invitation to the exam session.
2. You must have a valid and working email address for this process. If you pass and the FCC requires a fee, you will receive an email with instructions for payment. This email will only be sent ONCE. It is important that you watch for it.
3. The invitation will provide information on filling out the electronic 605 form and will allow you to apply for an FRN as part of the completion of the 605. If you have an FRN, you will need it to complete the form.
4. You will show up at the club site at 9:45 am on the test date and start the process to take the test. You must have a valid photo ID and a copy of your current license if you are upgrading. See "All the Details" below for complete information.
5. The test is taken on one of the club computers. It is a easy and quick process. Remember there is no time limit for any of the tests. The system also allows you to change your answers if necessary while taking the test.
6. When finished, the system will grade the exam and let you know if you passed or failed. It will automatically transfer all the information necessary for your license directly to the ARRL VEC.
7. You will pay \$15 for the VE fee. Checks must be made out to "ARRL-VEC".
8. If you fail your exam the system will provide information on the questions you missed, so you can prepare for your next attempt.
9. When the FCC processes your exam you will receive an email with payment instructions for paying the \$35 FCC fee. This fee will not be charged for upgrades.
10. If you are 17 years old or younger the VE fee is \$5 per the ARRL reduced CE fee Youth Program. The ARRL will also reimburse you for the \$35 FCC fee.

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 VEC@portcars.org

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**.
- Calculators are okay to use (if you need one) as long as the memories are cleared.
- NO cell Phones allowed.

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.

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

Printing Your FCC 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](#)

J.C., KC8JC
PCARS Newsletter Editor



I hope that your Thanksgiving was a good one and that you're looking forward to all of the end of the year festivities. We've already had a touch of snow and I think by now we've all dug out our winter coats. Around my place, we've given up on pretending that we'll be in fall coats anymore. That's just fine by me. I can take a little time to enjoy the hikes in the snow and a little more time in the shack. This seems to be the time of year that I make more contacts. I can't tell if it's because I'm in the shack more or if it's because everyone else is. Here's to wrapping up the year and looking forward to 2026 and all it has to offer!

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

**AC8NT, KA8TOA, KB8UUZ, N8WCP, NO8D
W8NET, W8PT, WB2MGP, WG8X, SARC,
and the World Wide Web.**

Send all of your inputs to me at KC8JC@portcars.org in the form of plain text and full-size photos. Share your latest tips, tricks, and insights into this hobby of hobbies with your fellow club members.

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



A bit of what's to come now that winter is rolling in!

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 PL 118.8 in Sugar Bush Knolls. - EchoLink Node: K8BF-L

Check PCARS out on the web: www.PORTCARS.org

2025 PCARS Officers

President - Jim Wilson - AC8NT
Vice President - Russ Williams - NR8W
Treasurer - Paul Hyland - KE8EGF
1 Year Trustee - Mike Ryan - KB8TUY
2 Year Trustee - Gene Marsh - W8NET
3 Year Trustee - Tom Parkinson - KB8UUZ
Past President - Mike Gonzalez - KP4VZ

PCARS Incorporated
Nov. 1, 2005

First Meeting
Nov. 14, 2005



ARRL Affiliation
April 20, 2006



Special Service Club
March 22, 2010

2025 PCARS Appointments & Committees

ARRL Awards DXCC	W8KNO	Joe Wehner
Club Site Management	K8CAV	Rick Kruis
Contest Coordinator	W8PT	Chuck Patellis
EchoLink	AC8NT	Jim Wilson
Field Day Chairman	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	-	-
Secretary	AD8IR	Agnes Wagner
Social Media	N8WCP	Mike Szabo
Tech, Gen, & Extra Class Mgr.	AC8NT	Jim Wilson
Volunteer Examiner Liaison	AC8NT	Jim Wilson
Webmaster	WG8X	John Myers
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	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

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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). 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!

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