



# 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 2019 - Volume 15 Number 10

## *The End of an Icon*



## *Get Ready for a K8BF Special Event*



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





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**From the Editor:** You will see some humor based cartoons about the COVID-19. Yes, I agree that this pandemic is VERY serious to all - but in tough times, you just have to have a bit of humor to get you through - I hope you agree. Hang in there, please. We'll all get through this together.



## From the President

**Tom, WB8LCD**  
PCARS President



Yes, that's right. October 2020. This GOD forsaken year is almost over! I'm predicting that 2021 has to be better. Only thing to do now is get this one finished. Actually, when you consider all the things we couldn't do this year, we've had a pretty good year with what we have done! I hope you got to play in OSPOTA a couple weeks ago. All of our monthly meetings have been good, and we're not done yet. I hope you'll come out for the October meeting ("come out" is now defined as either showing up at the American Legion or on ZOOM). Remember, we're in the BIG room at the Legion, so there's plenty of room to Social Distance. Or dance, you could dance if you want too. I don't dance because it just looks like a Benny Hill skit.... <https://youtu.be/oEutM76mYdI>

Our speaker at the October meeting will be Anthony Lusca, K8ZT. He'll be talking about operating and getting on the air – concentrating on qualifying for some of the basic Ham Radio accomplishments like Worked All States and DXCC. Yes, it can happen by accident, but, if you have a plan and use some strategy, it's not as frustrating. And some of his tips and techniques will also work for other contests and/or awards. Since social distancing and self-quarantine are common, I hope you're getting lots of "on air" time in. November ARRL Sweepstakes are coming up – I'm pretty sure Anthony will have something to say about that one. (One of my personal favorite contests!)

Have you remembered to choose PCARS as your Amazon Prime charity? Don't forget, you have to sign into Amazon on the SMILE side for your purchases to count. How about our November donation for the Center of Hope? Start out by asking people you know to help us. When you start the conversation don't start with something like "Hey, could you make a donation?" but make it a conversation. Start with the statement "I could use your help", then talk about PCARS and lead up to our support to our community through this effort. And remember, lots of little contributions all add up! Like lots of things in life, you will get lots of "NO's" and that's OK. They are not saying NO to anything about you personally. They just aren't able or willing to help out right now.

Next up, it's election season. We've got our own club elections, national political elections, and some ARRL elections. As an ARRL member, I want to ask you to please take the time and spend the 50 cents on a stamp to vote in the race for the Great Lakes Division Vice Director. I've polled the officers of PCARS and every one of us endorses Scott Yonally, N8SY. Scott brings a lot to the table as the very successful OH Section Manager for these past years. Scott has proven that he has the ability and the drive to work tirelessly to make a difference. Sometimes in the ARRL hierarchy we tend to feel a little bit forgotten as individual members in the local sections. Scott has firsthand knowledge and experience with that and will bring that knowledge to that ARRL Board of Directors in a personal and informed way. Additionally see the bio that Michael Kalter, W8CI sent in for our newsletter - Michael is running for the Great Lakes Division Director position. Michael was given a Life Membership in PCARS back in April in recognition for all he has done for Amateur Radio.

We're already working on club meeting topics and activities for the coming year. Once we get the green light / all clear to get back to normal activity levels, we want to be ready to jump right in. And we will be!



## From the Vice President

**Nick, AC8QG**  
PCARS Vice President



Welcome to the last quarter of 2020! Wow, this has been a crazy year! I feel like I keep saying that, but it continues to ring true. Let's just keep hoping for a return to normalcy as soon as possible.

As I write this, the Public Health Advisory Alert System code is "Level 3 - Red" for Portage County. Although the rise seems to be mostly associated with college students, we all need to exercise caution. As always, please follow common sense and appropriate guidelines while we push forward through the rest of the year. I haven't seen many of you in-person for months, and I miss you all, but we'll continue to provide streaming options wherever possible so that anyone staying home for any reason has a chance to participate. I'm glad to see everybody, be it face to face or on the screen. And don't forget, you can check into the weekly net and give us an update on how you're doing.

November marks another year for our Center of Hope fundraiser, and this year we're really trying to up the ante. I am very aware that COVID-19 has created some financial disruptions and challenges for many people. This is not your "typical" circumstances. I realize that some people may not be able to give what they normally would this year. I understand and respect whatever decision you need to make. That being said, every dollar counts. If you can give even \$1 it will help our neighbors in the community who most need that help. Better still, if you can give \$100 or \$1000, that goes even further. Thank you in advance for your generosity in supporting this good cause.

November is also our annual election of officers. As I've said many times, being an officer or volunteer for PCARS is a lot of work and a lot of fun. For me personally, it's been a great learning experience and it's also provided a good opportunity to give back. Even with COVID-19, there's a lot of work that needs to be done. Please think about how you can help out and seriously consider running for election or volunteering for an appointed position. This great club continues because of the time and effort our members contribute each and every year.

Although we are resuming in-person activities, many regular events are canceled or will be conducted virtually. Even events that are scheduled to be in-person may be canceled or moved to virtual. Please read this newsletter, join our weekly on-air club net, and watch for QST emails so you can stay up to date.



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



# Schedule of Events



On the calendar for upcoming meetings and activities are:



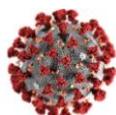
Although we are resuming in-person activities, many regular events are canceled or will be conducted virtually. Even events that are scheduled to be in-person may be canceled or moved to virtual. Please read this newsletter, join our weekly on-air club net, and watch for QST emails so you can stay up to date.

- October 3<sup>rd</sup> - VE Session at the club site - 10 am
- October 5<sup>th</sup> - Board Meeting at the club site - starts at 7 pm
- October 12<sup>th</sup> - PCARS Meeting - 7 pm - Anthony Luscre K8ZT - Top Secret DXCC & WAS Techniques
- October 22<sup>nd</sup> - Net Night at the club site
- November 2<sup>nd</sup> - Board Meeting at the club site - starts at 7 pm
- November 9<sup>th</sup> - PCARS Meeting - 7 pm - Election of officers and Center of Hope fundraiser
- December 14<sup>th</sup> - PCARS Meeting - 7 pm - Christmas social

## NOTE: All In-Person Activities & Meetings

### Subject To Cancellation

### Check Web Site for Updates



- First Tuesday - **Digital** - Moderator: Rick, K8CAV
- Second Tuesday - **QRP/CW** - Moderator: Terry, KB8AMZ
- Third Tuesday - **Antenna** - Moderator: Tony, WA8AR
- Fourth Tuesday - **DX & Contest** - Moderator: Chuck, W8PT
- Fifth Tuesday - **Linux for Hams** - Moderator: Terry, KB8AMZ
- Fourth Thursday** - **Net Night at the Club Site - 6:30 pm** - Moderator: Tom, WB8LCD

## PCARS Custom Coffee Cups - Limited Edition- Going Fast

PCARS has obtained a 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 - Paul, KE8EGF.**

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



### Portage County Amateur Radio Service



# K8BF



## 2018 Hamvention® Club of the Year

There are a **limited number of extra coffee cups** and they are for sale at \$5.00 each **contact Paul for all of the details**



# 'Foghorn' is Back on the Bands



*From the ARRL*

## "Foghorn" is Back on the Bands, IARU Monitoring Service Reports

The Chinese "Foghorn" over-the-horizon radar (OTH-R) is once again showing up in the logs of the International Amateur Radio Union Monitoring Service ([IARUMS](#)) in IARU Region 1 (Europe, the Middle East, and Africa). While the reports reflect what's being heard by stations primarily in Europe, the same interference can and does affect other parts of the world, often depending upon the time of day. Named by former IARUMS Region 1 Coordinator Wolf Hadel, DK2OM, because of its sound, the Foghorn was first reported in 2017 operating in amateur bands. The signal is frequency modulation on pulse (FMOP) with 66.66 sweeps-per-second bursts.

"In August, we found significantly more OTH radars from the Far East, especially the system known as 'Foghorn,'" said IARUMS Region 1 Coordinator Peter Jost, HB9CET, noting that the Foghorn facilities

generate a signal with a bandwidth of 10 kHz. "But also, the notorious Russian 'Contayner' radar still contaminated our bands, especially 20 meters, daily."

The Foghorn was being heard on 40 meters, in the vicinity of 7113 - 7123 kHz and 7165 - 7175 kHz. Other OTH-R signals tracked to, or believed to be in, China are showing up elsewhere on

the band with equally broad signals. Some international broadcasters have also set up shop on amateur bands, including Voice of Broad Masses 1 on 7140 kHz, and Voice of Broad Masses 2 on 7180 kHz, both with 9 kHz-wide AM signals. China Radio International has been transmitting at the very bottom edge of 20 meters, its signal slopping over into the amateur band. Chinese OTH-R signals were also monitored at various places on 20 meters.

Russian "Contayner" OTH-R signals were spotted on several 20-meter frequencies in August. An idling signal on 14,221 kHz is believed to be coming from Kazakhstan, showing up every evening. A Foghorn OTH-R has been appearing in the 14,338 - 14,348 kHz range.

A radio war between Russia and Ukraine has generated signals on 40 meters (Russia on 7055 and Ukraine on 7060 kHz), airing what the monitor called "very loud" and persistent signals every day, with "plenty of abuse," propaganda, profanities, and agitation being passed back and forth.

AM radars with "huge signals" were reported to be taking up segments on 40 and 20 meters. A "monster" F1B signal has been heard on 14,301 kHz.



The role of IARUMS -- monitoring the amateur bands to search and identify transmissions sent by intruders -- is important, because the amount and variety of intruders is rapidly growing, IARU said. "A number of national monitoring coordinators and volunteers have been watching our bands for many years. But more needs to be done to raise awareness of societies and countries where no national monitoring team exists. Also, existing groups can still help by sharing detailed information worldwide with others. 'Monitoring is Teamwork!'"

IARU said it's also very important that as many member-societies as possible file interference complaints with national regulators when intruders are heard.

# New Mode - FST4 - WSJT-X

*Steve Franke, K9AN;  
Bill Somerville, G4WJS; and  
Joe Taylor, K1JT*

Version 2.3 of WSJT-X introduces a new family of digital modes we designate **FST4**. These modes have a wide range of capabilities and potential applications. Their fundamental sensitivities are better than most older

modes in WSJT-X and are close to the theoretical limits for the same information throughput rates. Particular target applications include WSPR-like, quasi-beacon transmissions on LF and MF bands QSOs with very weak signals on the LF and MF bands EME on VHF and UHF bands with T/R sequences both shorter and longer than 60 s but other uses will surely be found, as well.

We expect that FST4 will serve some of its intended purposes better than older modes in WSJT-X, and without the strict time- and frequency-locking requirements of modes such as EbNaut. FST4 uses 4-GFSK modulation and offers T/R

sequence lengths of 15, 30, 60, 120, 300, 900, and 1800s. Submodes A, B, C, and D provide different tone spacings, to allow for use with a variety of propagation types and Doppler spreads.

Forward error correction uses a low density parity check (LDPC) code with 240 information and parity bits. Transmissions consist of a sequence of 120 information-carrying symbols (2 bits each) interspersed with 40 synchronizing symbols. The underlying message payloads contain either 77 bits (the standard payload for FT4, FT8, and MSK144) or 50 bits (the standard for quasi-beacon, WSPR-style messages). With WSPR-like messages the mode designation becomes FST4W and the A submode is always used. In all cases, message formats displayed to the user are the same as in the other 50-bit and 77-bit modes in WSJT-X.

See this link for more details: [https://j1jvt.cocolog-nifty.com/blog/files/fst4\\_quick\\_start.pdf](https://j1jvt.cocolog-nifty.com/blog/files/fst4_quick_start.pdf)



**Tom, KB8UUZ**  
OSPOTA Chairman



**Ohio State Parks On The Air (OSPOTA) 2020 is in the history books.** This year the weather was perfect for everyone in the state. Even with the Covid-19 situation, we had 95 logs submitted for Ohio State Parks On The Air 2020 contest.

The logs have been submitted and later this month the all volunteer OSPOTA Contest Committee will be going over the submitted logs and summary sheets from the participants.

It looked as if the bands were cooperating and a LOT of contacts were made this year. Ohio State Park activations were up and from what I have seen so far, everyone really had a FUN day playing radio and enjoying the Ohio State Parks.

Many of the stations replied to my request for write ups and pictures showing the set ups and operation during OSPOTA 2020 and those will also be in the PCARS newsletter when the results are published for all to see how much FUN everyone had. If you have not done it yet - send in photos and a short story of your OSPOTA 2020 adventures - either at an Ohio State Park, or at home, or wherever. Once the logs have all been checked and the results are published, I'll include those stories and photos as well. Deadline to get the stories and photos in is October 17<sup>th</sup>. Send them to [LOGS@OSPOTA.ORG](mailto:LOGS@OSPOTA.ORG).

So hang in there, the committee is working hard to get through all of the logs. You have to remember - the OSPOTA committee are all volunteers (there are five of us that do this - KB8UUZ, KD8MQ, W8PT, KB8UHN and W8KNO) and getting time set aside to spend HOURS going over logs then compiling the results, printing certificates, mailing to the top 3 in each category and the writing it all up for the newsletter is not an easy task that can be done quickly.

## Ohio State Parks On The Air



## FCC Proposes Amateur License Fees



In the USA amateur radio licenses are, like the UK, free of charge but now the FCC is proposing imposing a charge of \$50 for a new license or a renewal

This charge could act as a deterrent to young people wishing to get started in the hobby and adversely affect retirees and those on low-incomes.

The FCC's Notice of Proposed Rulemaking (NPRM) MD Docket 20-270 says:

"As such, several services in the personal licenses category will be subject to new fees. One such example is Amateur Radio Service licenses, which were not listed on the fee schedule in section 8 of the Act, but are now subject to fees under the broader mandate of the RAY BAUM's Act."

The ARRL notes:

"The Act requires that the FCC switch from a Congressionally-mandated fee structure to a cost-based system of assessment. In its NPRM, the FCC proposed application fees for a broad range of services that use the FCC's Universal Licensing System (ULS), including the Amateur Radio Service that had been excluded by an earlier statute."

"Deadlines for comments and reply comments will be determined once the NPRM appears in the Federal Register. File comments by using the FCC's Electronic Comment Filing System (ECFS), posting to MD Docket No. 20-270. This docket is already open for accepting comments even though deadlines have not yet been set."

<https://www.fcc.gov/ecfs/filings>

Download the FCC Notice of Proposed Rulemaking at  
<https://www.fcc.gov/document/amendment-schedule-applications-fees>

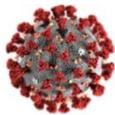
Read the ARRL story at  
<http://www.arrl.org/news/fcc-proposes-to-reinstate-amateur-radio-service-fees>



# PCARS VE Test Information & News

**Tom, KB8UUZ**  
PCARS VE Team Liaison

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



**NOTE: All Dates Subject To Cancellation**

**Check Web Site for Updates**

Amateur Extra Class question pool changed - July 1, 2020



**There WILL be a VE Test Session at the PCARS Club Site in Ravenna on Saturday - October 3, 2020 - Starts at the club site at 10 am sharp**

- You MUST register in advance - NO WALK-INS will be accepted. Send an email to [KB8UUZ@gmail.com](mailto:KB8UUZ@gmail.com) to register.
- You will be required to have, in advance, a Form 605 - properly filled in and signed. Once you register a form 605 will be sent to you via email. You can print it out and fill it in.
- If you are sick, have a cough, a high temperature or have been exposed to COVID-19 or someone that has been infected - please, do not come to the club site.
- You will wear a mask covering your mouth and nose at all times.
- No food or snacks allowed.
- Only people that are testing will be allowed in the building.
- \$15.00 Fee Payment will only be by check or exact change. We cannot make change
- If paying by check, make check out to: "ARRL-VEC" Fee is \$15.00
- 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 taking a Technician test you will need either your FRN number (you can apply for an FRN on the FCC website) or Social Security Number.
  - If you are upgrading to General or Extra - You MUST bring your original valid amateur radio license and a copy of your valid amateur radio license to turn in with your Form 605.
  - Bring your own pencils and pens.



Any questions? Contact [KB8UUZ@gmail.com](mailto:KB8UUZ@gmail.com)

## Additional Information - What to Bring to the Testing Session

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

These documents may include:

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

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

Any Questions? Contact: [KB8UUZ@gmail.com](mailto:KB8UUZ@gmail.com)



# Happy Birthday PCARS Members

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

N8WCP	Michael Szabo
KD8IUA	Michael Battershell
KD8MQ	John Myers
W8NET	Miles Marsh
KD8EPG	Ken George
KE8EGF	Paul Hyland
KD8MLE	Jonathan Fox
WA8SAJ	Jeff Covelli
KE8VS	Vern Sproat

K8SWJ	Scott Jones
WA8AR	Anthony Romito
W8GWI	David Seckel
K8AAB	Bob Evans
K8CAV	Rick Kruis
KC8RKD	James Weber
KD8WHA	Aaron Long
K8DER	Donald Robinson



## PCARS IO Group

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

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

*Two things every member should do.*

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



## PCARS 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: **Paul, KE8EGF** or e-mail him at: [phyland@neo.rr.com](mailto:phyland@neo.rr.com)

## Bob, KD8CGH



There is a new open source, home brew multi band, multi mode QRP transceiver that grew out of the QRP Labs QCX. Through some serious wizardry it retains an efficient class E RF amplifier for SSB and digital modes. It crams impressive SDR capabilities into an Arduino.

This has an interesting international development process conducted on <https://groups.io/g/ucx/topics> with contributions by many, including the usual gang of suspects: Hans Summers G0UPL, Guido Ten Dolle PE1NN, Barbaros Asuroglu WB2CBA, Manuel Klaerig DL2MAN, Kees Talen K5BCQ, Allison Parent KB1GMX, Jean-Marie T'Jaecx ON7EN, Ashhar Farhan VU2ESE, and Miguel Angelo Bartie PY2OHH. I apologize to the many others whose names I didn't list. A summary is in the WIKI <https://groups.io/g/ucx/wiki>.

The basic work uSDX appears to have been accomplished by Guido Ten Dolle PE1NNZ. It uses pulse width modulation of the PA supply voltage to transmit modes other than CW while retaining class E efficiency and uses a direct conversion SDR receiver.

The basic idea behind Class E nonlinear amplifiers is that transistors have little loss when they are switched fully on or off. The losses occur when devices are limiting power flow in linear amplifiers. The idea behind a Class E amplifier is to use transistors in a switching mode to generate a square wave to drive a resonant circuit to generate RF power.

This method is used in the popular QCX QRP CW transceiver kit line developed by Hans Summers and sold through QRP Labs <https://qrp-labs.com/>. More than 10,000 of these great transceiver kits have been sold (I built one). There is a good discussion of the circuit and particularly of the class E amplifier in the excellent QCX documentation [https://www.qrp-labs.com/images/qcx/assembly\\_A4-Rev-5e.pdf](https://www.qrp-labs.com/images/qcx/assembly_A4-Rev-5e.pdf).



The QCX was the base for the QCX-SSB which starts with a QCX and modified the circuit and software to add SSB capabilities. The wizardry that Guido accomplished uses pulse width modulation of the PA supply voltage to control the amplifier in an Envelope Elimination and Restoration (EER) technique <https://core.ac.uk/download/pdf/148657773.pdf>. To generate SSB a DSP algorithm samples the audio input and performs a Hilbert transformation to determine the phase and amplitude of the complex signal. The phase changes are transformed into temporary frequency changes which are sent to the clock generator. This result in phase changes on the SSB carrier signal and delivers a SSB-signal with the opposite side-band components is attenuated.

On the receive side a direct conversion SDR receiver is used with the I and Q signal digitized and all further processing carrying out digitally. Attenuators are included to help not overload the ADC range. Documentation is at <https://github.com/threeme3/QCX-SSB>. In addition to a good description of the theory and hardware mod there is also a good description of the software command menu.

From there development took off in several directions. One is by Barbaros Asuroglu WB2CBA [https://groups.io/g/ucx/topic/wb2cba\\_usdx\\_pcb\\_v1\\_02/76156958?p=Created,,,20,1,0,0::recentpostdate%2Fstckcy,,,20,2,20,76156958&jump=1](https://groups.io/g/ucx/topic/wb2cba_usdx_pcb_v1_02/76156958?p=Created,,,20,1,0,0::recentpostdate%2Fstckcy,,,20,2,20,76156958&jump=1) and <https://antrak.org.tr/blog/projeler/usdx-an-arduino-based-sdr-all-mode-hf-transceiver-pcb-iteration-v1-02/> that uses through hole components (mostly) and replaceable band boards that hold the low pass filter and band dependent class E amplifier components (an inductor and capacitor). Barb also includes boards designed to be a case top and bottom, battery pack and a PA.



Another development track by Manuel Klaerig DL2MAN uses SMT components in a stacked board layout and has a relay switched band pass board <https://groups.io/g/ucx/message/1596> and [https://groups.io/g/ucx/files/DL2MAN\\_uSDX-Sandwich\\_Files](https://groups.io/g/ucx/files/DL2MAN_uSDX-Sandwich_Files). A new revision has been released that uses serial resonance class E amp design and easier to obtain relays, [https://groups.io/g/ucx/files/DL2MAN\\_uSDX-Sandwich\\_Files\\_with\\_new\\_Serial\\_Resonance\\_Class\\_E\\_Multiband\\_Circuit](https://groups.io/g/ucx/files/DL2MAN_uSDX-Sandwich_Files_with_new_Serial_Resonance_Class_E_Multiband_Circuit).



Other development streams include one by Kees Talen K5BCQ [https://groups.io/g/ucx/files/K5BCQ\\_uSDX\\_Board\\_Schematics](https://groups.io/g/ucx/files/K5BCQ_uSDX_Board_Schematics) and Jean-Marie T'Jaecx ON7EN <https://groups.io/g/ucx/files/QCXV4.zip>.

I built the variant designed by Barbaros Asuroglu WB2CBA and I'm pleased with it's performance. I ordered 10 main boards and 40 LP filter band boards PCBs from PCBWAY, but now you can also purchase single boards sets from <https://shop.offline.systems/>. Several PCARS members are building these, I have 4 sets left if anyone would like one please contact me.



I built the variant designed by Barbaros Asuroglu WB2CBA and I'm pleased with it's performance. I ordered 10 main boards and 40 LP filter band boards PCBs from PCBWAY, but now

I also designed and 3D printed a case for the transceiver and a small box to carry band boards. Info at <https://www.thingiverse.com/thing:4582865> and at <https://www.thingiverse.com/thing:4587868> and also in the files section [https://groups.io/g/ucx/files/3D printed case for Barb WB2CBA V1.02](https://groups.io/g/ucx/files/3D_printed_case_for_Barb_WB2CBA_V1.02).



In an example of hams collaborating at its finest, Hans Summers announced on 9/11/2020 that his new QCX mini product, a QCX in a smaller package, will include a daughter board that can be used to give the QCX mini a uSDX like SSB capability. The QCX mini has the same circuit as the QCX but uses SMD components packaged it into a two board stack that is less than half the volume of the original QCX. The mod is unsupported by QRP-LABS but may be supported by the uSDX group. <http://qrp-labs.com/qcxmini.html>



## Swap-N-Shop

### FOR SALE - Items from Dave DeSimio WA8GCF (SK) estate.

**Yaesu FC20** Auto Tuner \$125. **MFJ-941D** Versa Tuner \$75. **MFJ-993B** IntelliTuner \$130. **Yaesu FT470** Handheld, desk charger 2m/440 \$150. **Yaesu FT23R** Handheld, desk charger 2m \$75. **Yaesu FT73R** Handheld, desk charger 440 \$75. **Yaesu FT10R** Handheld, desk charger 2m/440 \$200. **Dentron MT-3000A** Antenna Tuner \$225. **Yaesu FT2000** HF and Yaesu Power Supply \$1,500. **Yaesu FT757GX** HF and power supply \$500. **Yaesu FT757AT** Auto Tuner \$200. **Astron VS-2M** Power Supply \$50. **MFJ-969** Versa Tuner \$250. **MFJ-993B** IntelliTuner \$250. **Kenwood TS-2000** HF \$1,500. **Metex MS-9150** Universal SystemFreq Counter \$300. **Yaesu FT-2700RH** \$100. **Azden PCS2000** \$75. **Pyramid PS-35** Power Supply \$50. **Yaesu FT8800**. **Yaesu FT-2800M** \$150. **AOI AR146** \$100. **Yaesu FT-7800** \$200. **Yaesu FT-7800** \$200. **Yaesu FT-2500M** \$125. **Yaesu FT-5100** \$150. **Yaesu FT-840** New in the box \$350. **Yaesu FT60** Handheld \$125. *All prices are Or Best Offer.*

Contact: **David E. DeSimio** at 330-592-1107 or [david@5thdoor.com](mailto:david@5thdoor.com) [01/02/21]

**FOR SALE: Mosley Classic 33M 3-element Tri-Bander** - Brand New, Sealed in original two boxes! Pick up only here in Willoughby, Ohio just northeast of Cleveland. Decided not to put it up and has been in storage - \$800.

Contact: **Jeff, WA8SAJ** by phone at: 440-951-6406 [12/02/20]



**For Sale: Yaesu FTM-400XDR** Dual Band Fusion rig. New Nov 2018. Has both Bluetooth & Voice modules installed. Original box & mount - \$450.00

Contact: **John, KD8MQ** at: [kd8mq1@gmail.com](mailto:kd8mq1@gmail.com) or phone 330-936-5021 [11/02/20]

**For Sale: BridgeCom Systems BCH-270 DMR 2M/70CM HT, BGM-270-Cable, & BGM-BCH-270 Spare Battery and Belt Clip** \$130.00. **MFJ-9340K 40M Cub QRP Kit** \$125.00. **DX Engineering DXE-SWP8** Memory Keypad for Kenwood and Icom \$50.00. All items never used.

Contact: **Bob, N8QE** at: [rhajdak@aol.com](mailto:rhajdak@aol.com) [10/02/20]

**For Sale: IC 7410** w/optional 3kHz filter. **2 4225 power supplies, 1 4245 power supply, MFJ-994B Intellituner, 1 Versa Tuner III, 2 Heil mics for Icom, with booms & wiring, 1 IC-2100, 1 Mirage 5018 160 watt amp, SC-400 Power Meter, 2 Alpha Delta switches, 1 MFJ antenna analyzer, every antenna, every run of wire, 2 antenna poles 30, and 35ft, every piece of ham related equipment goes, asking \$800 in cash.** The 7410 is worth that! We are moving down south and I'm selling it all! Give me a call if you're interested.

Contact: **Doug, KC8OHQ** at: [suhredouglas@gmail.com](mailto:suhredouglas@gmail.com) [10/02/20]

**FOR SALE: Drake TR7** HF Transceiver with **Drake PF7** Power Supply (Not working – goes with TR7) \$630, **Drake RV7** Remote VFO \$100, **Drake MS7** Speaker \$ 75, **Astron RM-35** Power Supply goes with TR7 **ALL ABOVE FOR \$800 OBO** **Drake L7** HF Amp and **Drake P7** Amp - **Both for \$950 OBO** **Kenwood TS-140S** HF Transceiver, **Kenwood PS430** Power Supply, **SP-430 Speaker** - **All for \$250 OBO** All items were tested and working except for the PF7 power supply as noted. The prices are an average what was found on line.

Contact: **Bob, WB8OVQ** at: 220-802-9562 [10/02/20]

**FOR SALE: Alpha 77DX** with all of the Dick Byrd upgrades. These upgrades include the following; higher voltage plate transformer providing 4300 Volts idle, 7500 Volt rectifiers, 5000 Volt 35 µf filter capacitor, wide spaced loading capacitors like are used in the 77SX, all new step start components, large 10x38mm fuse holders, all new electrolytic capacitors on timer & QSK boards as well as LED lighting for the meters. This amplifier has ZERO HOURS since being upgraded as it was my back-up amplifier. \$5000 **YAESU FT-1802** This a 50 Watt 2 meter mobile that will TX 144-148 MHz & RX 136-174 MHz with power output settings of 50W, 25W, 10W, 5W with power cord, manual & new microphone. \$85.00 **YAESU VR-120** Hand Held Communications Receiver. This YAESU hand held communications receiver is a professional grade receiver that has 640 memory channels. It covers 100 KHz thru 1300 MHz in FM/WFM and AM modes. I purchased it for special project that never materialized. It is in excellent condition since it was only used a couple of times. It comes with antenna, manual and box. Also included are two new Duracell AA batteries. **Craftsman 3 ½ Digit DMM** w/ 1000 Volt Fluke Lead Set. Also includes Craftsman non-contact Hall-effect voltage

sensing probe, used and in good condition \$30.00    **DC Power Cords** 6 Pin ICOM \$20.00, 4 Pin Kenwood \$15.00, Heavy Duty 12 Lighter Plug to Anderson Power Pole 4' Long \$20.00    **High Voltage Rectifiers** blocks containing (2) 10,000 Volt 1 ampere CCS diodes, great for full wave power supplies or use two for a full wave bridge, \$15.00 each. **HARGER 2-Hole Long Barrel Lug** for #2 Wire These are premium grade lugs are great for tower grounding projects \$4.00 each    **ANDREW GKT-F4A Ground kit strip tool** for Andrew FSJ4-50B ½" Superflex coaxial cable \$45.00 **VDE Lineman Pliers** News with chrome plating and 1,000 Volt insulated grips \$30.00    **Universal Snap Ring Pliers** Set Used universal snap ring plier set in excellent condition \$10.00    **HUBBELL water resistant pin & sleeve receptacles** designed for wet locations or outdoor use in rain. I use these same connectors on the generator and power distribution panels which are used for the PCARS Field Day set up in Portage County Ohio. These are excess from when I assembled my mobile generator and power distribution system. They are both NEW IN BOX. HBL4100R12W rated 125/250 Volts 1? @100 Amperes \$175.00 HBL460R12W rated 125/250 Volts 1? @60 Amperes \$150.00    **Contactors /Industrial Relays** that would be great for step start relays in an amplifier building project. The CL25A310TJ is a three pole rated 32 Amperes @ 600 Volts and will accept #8 thru #14 wire. It has 120 Volt A.C. coil. The CV01A400T is a 4 pole rated 25 Amperes @ 600 Volts and will accept #10 thru #14 wire. It has 120 Volt A.C. coil. I have one auxiliary contact as shown in the photo. It will go to the first purchaser and will mount on either of these relays. \$40 each **STAINLESS STEEL ¼" GUY WIRE**, This is left over stainless steel aircraft cable that I used in a recent tower project. I have two coils, 130' for 85.00 & 150' for \$90.00, or both coils for \$140.00

**Contact: Call or text James, KD8VT at (330)-206-4909** [10/02/20]

**For Sale: Hi-Z SIX Direction Triangular Array Receive System** – Including THREE DX Engineering AL24 Vertical Elements. Most components are new/not used. Package consisting DXE p/n HIZ-3-LV2-50 6 Direction Array System and 3 (three) of part number DXE-AL24 Vertical element kits. Hi-Z Antennas Triangular Array Systems offer 6 selectable directions of improved, low-noise receive performance and 30 dB front-to-back directivity for the 160, 80 and 40 meter bands, with useful reception from below the AM broadcast band through 30 MHz. \$650

**Contact: Mark, W8BBQ at: [W8BBQ@AOL.COM](mailto:W8BBQ@AOL.COM)** or text to 330-770-5442 [12/02/20]

**For Sale: Yaesu FT-1000MP AC Version**(No power supply required), great contest or DXing radio - excellent condition with operator manual, has extra crystal filters and Inrad roofing filter installed. \$750.00    **Yaesu FTDX5000MP Limited** - 200 watt 160 thru 6 meter transceiver - AC powered, 300 Hz / 600 Hz / 3 KHz roofing filters, two independent receivers, operator manual, with custom equipment cover and Nifty Accessories reference guide. In like new condition, original boxes, \$2995.00    Can demo these transceivers at my station, local pickup preferred, will deliver up to 50 miles

**Contact: George, K3GP at: 330-829-9504** evenings or weekends. [12/02/20]

**FOR SALE: ICOM IC-7610** - Brand New, *still in the box*. Decided to upgrade antennas instead of radio. Un-opened box \$2599. **RC-28 - Remote Encoder** for the IC-7610 to easily operate the second VFO - Brand new - \$200. **8 Switch Memory External Keypad for the IC-7610/7850/7851**. Instant access to the 8 stored outgoing messages. Made in Germany by DM2RM. Brand new - \$60. **Cushcraft Ten-3** Three element **10 meter beam**. Cost new \$299.95 - **Sell for \$150.00**. This beam helped me make 7,651 ten meter contacts on a tripod on my roof. Great shape & ready to use. Had the roof replaced and took down the antennas. Will be putting up tower and Opti-Beam antennas - if the ground ever dries out..... well, maybe in Spring or Summer..... **Contact: Tom "Parky", KB8UUZ - [kb8uuz@gmail.com](mailto:kb8uuz@gmail.com)** [12/02/20]



**WEDDING**

# Deron and Constance Boring

Deron M. Boring of Rootstown, and Constance M. (Brannon) Boring of North Canton were married Aug. 16 in a ceremony for immediate family at The Stables at Arrowhead Lake, in Millersburg.

A reception and one-year anniversary party will take place in September 2021 in Millersburg.

The bride's parents are Selby and Angela Brannon of Powell.

The bridegroom's parents are Linda and the late James Boring of Rootstown.

The bride was escorted by her father, Selby Brannon

Matron of Honor was Elizabeth Bisson of Raymond.

Co-Best Men were Paul Cernava of Canton and Daniel Diroll of Garden Grove, Calif.

Flower Girl was Kahlan Bisson and Ring Bearer was Isaac Bisson.

The bridegroom is an attorney in Ravenna and an adjunct professor at Malone University in Canton. He graduated from Rootstown High School in 1997, from Malone (College) University with a bachelor's degree in 2001 and The University of Akron School of Law in 2004 with a Juris Doctorate degree.



The bride is the manager of marketing at Malone University in Canton. She graduated from Geneva High School in 2002, from the Baldwin Wallace University Conservatory of Music in 2006 with a bachelor's degree in music and from Kent State University in 2010 with a master's degree in education.

Deron says that Constance is 'Ham Friendly' and has encouraged him to do more with PCARS and Amateur Radio - What a great XYL !!!!!





*From the ARRL*

## IARU Region 1 President Sounds Alarm on Wireless Power Transfer for Vehicles

International Amateur Radio Union (IARU) Region 1 President Don Beattie, G3BJ, wants to raise greater awareness regarding the interference potential of Wireless Power Transfer for Electric Vehicles (WPT-EV). He is urging IARU member-societies to contact national regulators to make them aware of the technology's potential for "RF pollution." Beattie notes that WPT-EV chargers can run as much as 20 kW.

WPT-EV was on the agenda for World Radiocommunication Conference 2019 (WRC-19). The International Telecommunication



Union (ITU) Radiocommunication Sector (ITU-R) conducted studies to assess the impact of WPT-EV on radiocommunications and suitable harmonized frequency ranges. Those ITU-R studies identified the 19 - 25 kHz band, as well as bands in the 50 kHz and 60 kHz range, for high-power WPT-EV, and the 79 - 90 kHz band for medium-power WPT-

EV. The consensus of WRC-19 delegates was to make no changes in the ITU *Radio Regulations* with respect to WPT-EV.

The Netherlands' IARU member-society VERON has posted the [text](#) (translated into Dutch) of Beattie's remarks on the subject.

"The discussions about WPT-EV have reached a point where they are moving from the technical to the political arena," Beattie said. "Discussions with a national regulator indicate that we must now take action at the national level. The amateur service, but also other telecommunication services, will experience the consequences of WPT-EV."

Beattie urged member-societies in Region 1 to contact national regulators, preferably in person, to explain why radio amateurs are so concerned. He pointed out that long charging times in populated areas could generate harmonics that make radio communication very difficult.

"Models show that this also applies to the wider environment of a WPT-EV installation," Beattie said. "Broadcasters, stationary, and mobile services share these concerns" and provided input to CEPT Electronic Communications Committee [Report 289](#).

Beattie noted that the WPT-EV discussion has been going on for a long time. The technology is similar to that used for wireless charging of cell phones.

"The wireless charging of electric cars is done with large coils," he explained. "One of them on the ground under the vehicle, the second in the car. Typically, about 22 kW is transferred wirelessly through those coils. This is done using frequencies between 79 and 90 kHz. Technical and operational standards for WPT-EV are under development."

WPT-EV developers are seeking noise level limits that are some 30 - 45 dB above current noise levels, Beattie said. "Limits that have a serious negative effect on the radio spectrum," he asserted.

"In the interests of the future of amateur radio, we need to get the attention of national regulators," Beattie concluded. "This is about the future of amateur radio!"



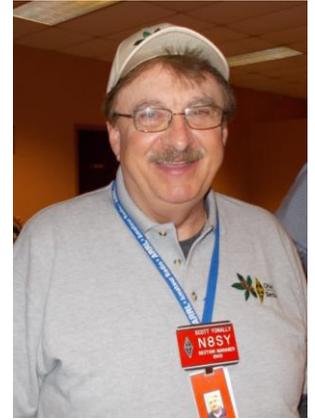
ECC  
CEPT Electronic Communications Committee



## From the ARRL Ohio Section Manager



**Scott, N8SY**  
ARRL Ohio Section Manger



Hi Gang,

This past week has been a really busy one. I attended several on-line question and answer sessions with clubs this past week as well as attending 4 different club meetings too.

Several of the club meetings I attended I actually got to do live – in person!! I have to admit, I really liked the idea of getting back out and actually seeing all of you once again.

We all kept to the social distancing guidelines and did elbow bumps instead of handshakes, but even though we all wore our masks and such, it was still the highlight of my week just to be there in person.

Zoom and all the other conference call apps are a great substitute for when travel just isn't always possible, and I expect it will be used a bunch more even after the pandemic has been forgotten about, and that just might not be a bad thing either.

Many of the clubs that have employed one of the conference call apps are finding that it is giving some folks (like those that don't drive at night or get around easily) a new opportunity to join back in on the meetings and fun and this gives folks that just can't get out a real opportunity to get involved once again. No tell me, is that a bad thing?

It's also giving folks from great distances the opportunity to join in as well. I've seen my friends Carole Perry and Tim Duffy a lot more now than ever attending meetings all over the place. And, it's all because they don't have to travel. They can sit back in their office chair in the shack and join in on any meeting with just the click of a button!

I've also seen a number of guest speakers at some smaller meetings that just would not have happened if the speaker needed to travel to their meeting. We've all complained about not having enough guest speakers available to help draw our members back to meetings, COVID-19 may have just found us a way of doing it!!

Ok... I've had a few folks ask if I got that closet cleaned out yet. The quick answer is no. After Janie and I looked at all the stuff that was laying on the floor waiting for an answer – Keep – Don't Keep, we both decided that this just wasn't the right time to do this. So, back into the closet everything went, at least for now. Some day we'll have to make those hard decisions for sure, but for now, it can wait a little while longer!!

For those of you who have asked what the count is now on how many masks Janie has made here's what she told me. She's lost count when she reached her goal of 2,000 masks. She knows that she's well over that goal, but just stopped trying to count them all. I'm going to let the cat out of the bag on some very special masks that she made just for the Handbook Give Away... They are made from the ARRL 100<sup>th</sup> Anniversary Bandanna's.



Whelp, that's going to do it for this week my friends! I'm still looking forward to visiting with all of you live or via Zoom, WebEX or whatever. I really can't wait for that time when we can all get together in person once again. Those are the times I cherish the most!!! Stay safe! We will get through this and when we do, we'll have so much to talk about. Most of all... have FUN and get on the airwaves!!



*From the WHIO TV 7 Staff*

Updated: September 22, 2020 - 1:15 PM

**TROTWOOD** — Following an attempt to revitalize the tornado-damaged Hara Arena, City of Trowood officials announced plans to demolish the complex and rezone the property.



The facility was heavily damaged in the Memorial Day tornado outbreak in 2019, but was purchased with plans to restore the complex. But due to cost and the extent of the damage, the city will instead demolish the arena.

“However, redeveloping the property would be a challenge due to the extent of the damage, so the decision was made and a contract has been secured to demolish the legendary venue,” a city spokesperson said in a media release Tuesday.

City officials said steps have already been taken to rezone the property for future development and use. City council voted in March to amend the zoning from commercial recreation to a light industrial district. The change allows for businesses, including manufacturing, distribution centers, and call centers to create new facilities on the property, the city spokesperson said.

“This area has been a reminder of the devastation our community suffered from the 2019 Memorial Day tornado,” Trotwood City Manager Quincy E. Pope, Sr. said in the release. “We are ready to move forward and the City has already taken action so that this property is ready for what’s next.”

City officials will hold a press conference Friday morning that will announce the plans to demolish the arena.



## Portage County Amateur Radio Service



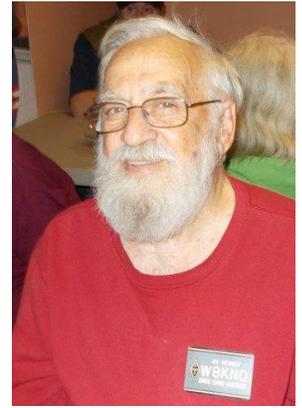
# K8BF



## 2018 Hamvention® Club of the Year

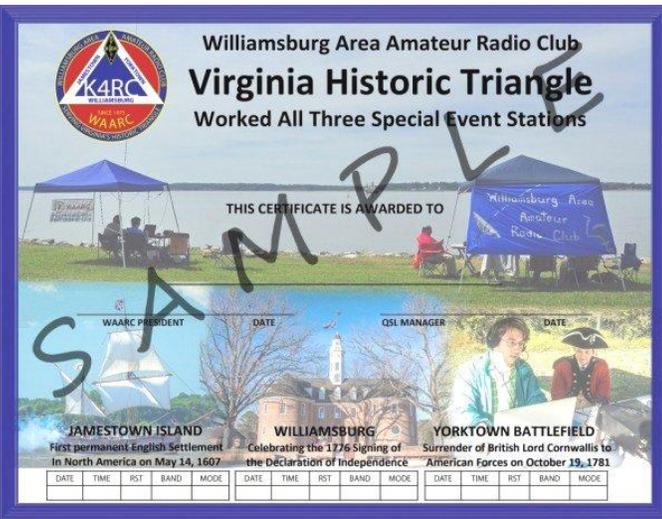
# Triangle Events Award

**Joe, W8KNO**



Over the last couple months you have had the opportunity to work a couple of multi-station events, the 13 Original Colonies and Route 66 On The Air both come to mind. If you are ready for another, you will be interested in this one.

The Williamsburg Area Amateur Radio Club, K4RC, has a Triangle Events Award if you work them at Jamestown, Colonial Williamsburg, and Yorktown. This month is the 239th anniversary of Lord Cornwallis surrendering the British forces at Yorktown to the Americans ending the Revolutionary War. Lord Cornwallis was one of the most capable British generals of the American Revolution. In 1776, he drove General George Washington's Patriots forces out of New Jersey, and in 1780 he won a stunning victory over General Horatio Gates' Patriot army at Camden, South Carolina. Cornwallis' subsequent invasion of North Carolina was less successful, however, and in April 1781 he led his weary and battered troops toward the Virginia coast, where he could maintain seaborne lines of communication with the large British army of General Henry Clinton in New York City. After conducting a series of raids against towns and plantations in Virginia, Cornwallis settled in the tidewater town of Yorktown in August. The British immediately began fortifying the town and the adjacent promontory of Gloucester Point across the York River. However, he became trapped and subsequently surrendered 8,000 British soldiers and seamen to a larger Franco-American force.



The Yorktown Special Event will occur on October 17th from 10am to 4pm local time. Listen for them around 7.265 and 14.265. To obtain a QSL card for this event send your QSL card and SASE to QSL Manager, K4RC, P.O. Box 1470, Williamsburg, VA 23187. The Jamestown special event occurs in May and Colonial Williamsburg in July. You do not even have to make the contact within the same year. After working all three, contact their QSL manager with the info from your three contacts.



# Flex Net



**Mike, N8WCP**

The PCARS Flex Net is open to all hams and will be held on the second Wednesday of the month at 8:00 PM. Each month we'll use a different band or mode. This net does not replace the weekly Thursday night 2 meter net so keep checking into that net!

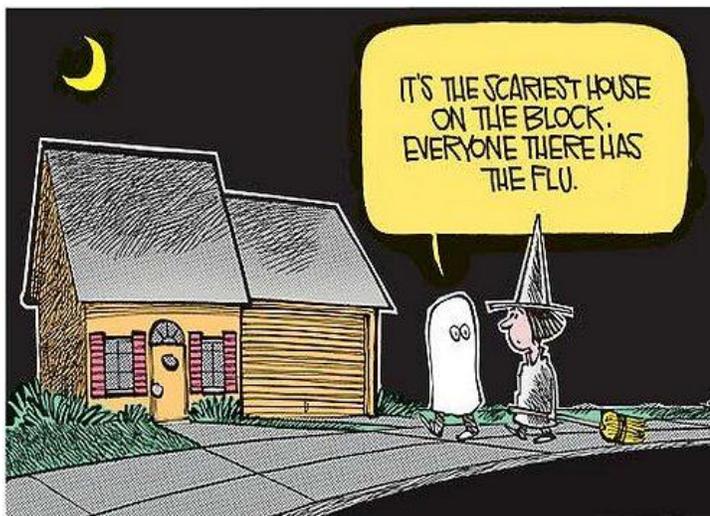
The Flex Net will begin with a typical check-in process. Once check-ins are complete, each station will have the opportunity to work the other stations similar to a DX net. Since we're working simplex, it would be helpful to have alternate net control ops. If you're interested in being an alternate control op, please email me at [n8wcp.us@gmail.com](mailto:n8wcp.us@gmail.com).

The September PCARS Flex Net was held on 40M with ten stations checking in. We appreciate K8TOA, N8GIE, K8NYM, KB8TUY, WA8AHC, K8IV, N8WCP, K4LWE (SC), WD9RSM (IL), and W2EGL (CT) joining in the fun!

October's Flex Net will be on the 10<sup>th</sup> @ 8:00PM EST on 146.400 FM simplex.



DATE	TIME	BAND	FREQUENCY	MODE
10-14-20	8:00 P	2 M	146.400	FM
11-11-20	8:00 P	80 M	3.910	LSB
12-09-20	8:00 P	6 M	50.400	AM



## One Happy Grandpa - Part 2

**Rick, K8CAV**  
One Happy Grandpa!



When my grandson Uriah recently passed his Technician Class test and was licensed as KC1NQN, I promised him I'd come out and help him get an antenna up and present him with his first hand-held, along with mentoring him with his first contact and net. I packed up the Jeep with everything I could possibly need (or so I thought) and on Labor



Day, hit the road for the Boston area. After twelve hours on the road I arrived safely and spent the evening socializing and catching up and got a good night's sleep.

The next morning my son and I looked over the house to find the best location for a Diamond X50A VHF/UHF antenna I'd brought along. As Uriah's station would be located in the garage, my son and I decided that the right-rear corner of the house would be the best location. Due to the house being located

on a very steep hill, the garage/basement floor was actually at ground level and with only a twelve foot ladder available the antenna would actually be at first floor level. Despite that I figured we'd still be able to access repeaters within a ten mile radius, of which there were about a dozen on VHF and UHF. I wanted to keep any marks and screw holes on the house to a minimum so that when they decide to move there would be minimal work necessary to take the antenna down and also repair and paint the holes with minimal effort. I was able to use some decking scraps I'd brought along to fabricate a strong but minimalist bracket that worked quite well. With coax attached to the antenna and routed to the garage, the next step was to crimp a connector at the end of the coax and that's when Murphy raised his ugly head. I have a DXE coax crimping kit in a .50 cal ammo can with everything I need – except the crimping tool which was sitting on the bench at home instead of in the ammo can. Hams are, if nothing else ingenious creatures so after stripping the cable and soldering the center conductor I used a pair of pliers to “crimp” the shield and electrical tape to provide a modicum of strain relief.

Now onto the fun part! I'd compiled a list of 2m and 70cm repeaters within a ten mile radius of Uriah's home. I gave Uriah a class in how to connect to a repeater, using the proper offset direction and frequency and PL tones.

We then moved on to how to program each of the repeaters into his hand-held, an Alinco DJ-500TB. I did the first one to demonstrate as I was explaining and then had Uriah do the remaining repeaters so he'd be well versed in programming his hand-held. Once we got that accomplished, we started doing checks to see which repeaters we could access. As it turns out we were able to hit every one of the repeaters on the list with full quieting on most and slight noise on a few. As we were doing this Uriah, identifying properly as he was conducting his checks, was called and had his first QSO! I was prepared for him to be hesitant and tentative but he sounded like an old pro on the air. Later in the afternoon he had two more QSO's with hams on the MIT repeater.



The next day all of us spent several hours visiting a portion of the National Minute Man Historical Park. It was awesome to be on the same route that Paul Revere rode to warn of the British coming! That evening there was a scheduled net on one of the repeaters and Uriah and I checked into the net. Uriah received a very warm welcome, which was great to see!



Early Thursday morning found me back on the road to home. In the very western part of Massachusetts on I-90 there was a road sign with an interesting bit of trivia. I had no idea one had to go all the way to South Dakota on I-90 to be as high in elevation as this spot in Massachusetts is! I arrived home safely Thursday evening which gave me a day to get ready for OSPOTA. Helping Uriah get his station set up and seeing him do so well was a treasure and well worth the time and effort of the trip. The next step for Uriah is upgrading to General and while I was there, I scoped out two perfect trees for a dipole which will mean a second trip out there in the near future.



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



## JOTA 2020

*From the ARRL*



### *Scouting's Jamboree on the Air Set for October 16, 17, and 18*

Jamboree on the Air (**JOTA**) and Jamboree on the Internet (JOTI) will be held this year on October 16, 17, and 18. [Register](#) online as an individual or as a group.

Jamboree on the Air is the largest Scouting event in the world. In a typical year, more than 1 million Scouts participate in JOTA, with over 11,000 stations operated by 20,000+ young radio amateurs from 150+ countries around the world.

**JOTA details** are available on the K2BSA website. The website menu will direct users to additional supporting information. K2BSA's Jim Wilson, K5ND, says many locations are already offering virtual radio merit badge classes "and no doubt will be using similar approaches for Jamboree on the Air."



## Candidates for 2020 ARRL Division Elections

From the ARRL



### Candidates Set for 2020 ARRL Division Elections

The candidates for the 2020 ARRL Division Elections are now official. ARRL members will choose between two candidates for Director in the Dakota, Great Lakes, and Midwest Divisions in this year's election cycle, and from among three candidates for Vice Director in the Great Lakes Division. In the Atlantic and Delta Divisions, incumbents are unopposed for both Director and Vice Director. In the Dakota Division, the sitting Vice Director is running unopposed, while in the Midwest Division, the current Vice Director is the only candidate for Director.

**Great Lakes Division Director:** Incumbent Director Dale Williams, WA8EFK, who has held the seat since 2014, will face off against Michael Kalter, W8CI, who is treasurer of the Dayton Amateur Radio Association.

**Great Lakes Division Vice Director:** Members will choose from among three candidates to succeed incumbent Vice Director Thomas Delaney, W8WTD, who is not running for another term. They are:

Scott Yonally, N8SY, the current Ohio Section Manager

Jim Hessler, K8JH, who is vice president of the Grand Rapids Amateur Radio Association

Frank Piper, KI8GW, Yonally's predecessor as Ohio Section Manager.

*Ballots will be mailed out to all ARRL members.*

*Editor's Note: W8CI was the only candidate that submitted information to PCARS about running for office.*

## W8CI - Candidate for Great Lakes Division Director

### W8CI Candidate for ARRL Great Lakes Director 2020

I love Amateur Radio and the opportunity we have to extend good will and understanding throughout the world's many cultures.

#### Amateur Radio leadership Experience:

Official Spokesperson for Dayton Hamvention 2021.

Dayton Hamvention Board Member

Financial Officer/Chair for Hamvention and DARA

Dayton Hamvention General Chairman 2011 2012

Dayton Amateur Radio Association President 2005 2006

Awards Co Chair for Hamvention 2021

#### Business Background and Corporate Director Experience

Successfully sold manufacturing business (2008)

Working in many different companies to improve their profitability as well as serving on many company boards.

Past Chairman of The Dayton Region Manufacturing Association

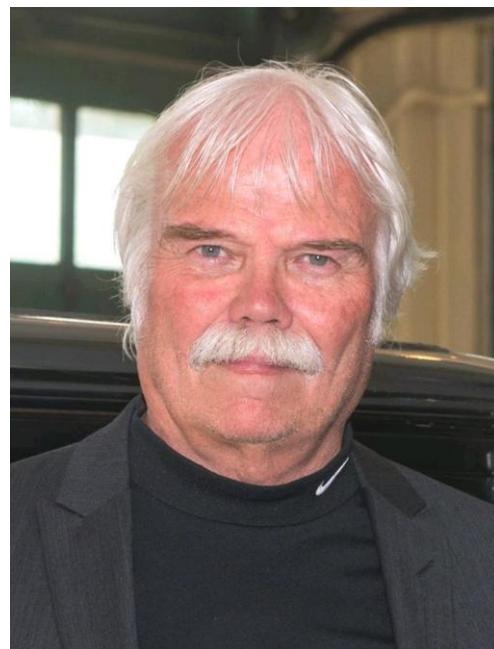
#### International Experience

Peace Corps Volunteer Tunisia 1974-1975

Keynote Speaker at Ham Radio-2012 in Friedrichschafen, Germany

Keynote Speaker at Qatar University in Doha

Traveled through India at the request of the National Institute of Amateur Radio, NIAR, leadership to speak with several



government officials in New Delhi and Hyderabad to explain how the USA's streamlined amateur radio license process Active at the Tokyo Amateur Radio Fair – 2016, 2017, and 2018

### **Public-Service On-the-Air Activity**

Primary Net Control in Wilmington, Ohio--National Weather Service Offices. Skywarn. We serve the Southern half of Ohio, Northern Kentucky, and Eastern Indiana.

Former President of local Emergency Management Authority Board

### **Government Experience**

Former elected official in Greene County, Ohio.

Retired volunteer firefighter and medical rescue in Greene County, Ohio.

### **Volunteer Background**

Speaker at Contest University In Dayton 2017, 2018,2019 – Presented welcoming speech

Speaker at the magnificent ARRL-100 Hartford Convention

Speaker at many other events including Hamcation, Ham Radio in Friedrichschafen, and many club gatherings.

### **Amateur Radio Organization Participation**

Life Member QCWA

Life Member QRZ

Life Member DARA

Life Member RCA

### **Recognition**

2017 Recipient of the Radio Club of America sponsored Barry Goldwater Award

2018 Recipient of DARA President's Award for Outstanding Service

2020 Awarded Life Membership to Portage County Amateur Radio Service, Portage County, Ohio

### **Director Objectives**

Be open and transparent with the membership

Work to promote youth in Amateur Radio, as we have done at the Hamvention

Work to provide the members with a cost-effective, responsive, National organization

### **Personal**

Reside about 7 miles south of the center of Xenia, Ohio in the beautiful southern Ohio rolling countryside. Xenia, Ohio is the new home of Hamvention! Planning is well underway for HV21. This a labor of love for the nearly 700 Amateurs who volunteer their time and talent.

Play music with an eclectic acoustic music group known as The Wingwalkers. We play festivals and other engagements in the midwest.

Member of Rotary International

Sadly, I have lost my younger brother, Dave KB8OCP, an amazing human and amateur radio operator. Even though he came into the hobby later than I, he taught me a great deal! I miss you my brother! ***Please support the Dave Kalter Memorial Youth DXpedition!***

### **In Conclusion**

I would appreciate your support and vote

73,

Michael, W8CI

*Editor's Note: W8CI was the only candidate that submitted information to PCARS about running for office.*



## ARRL Election Mail-In Vote Ballots



*From the ARRL*

### To ARRL Members:

Members are reminded that there are contested elections in the Dakota, **Great Lakes** and Midwest Divisions. Unfortunately, incorrect information regarding the use of electronic balloting in ARRL Division elections was disseminated in the Midwest Division. ARRL does not use electronic voting.

The only way you will be able to cast a vote is by U.S. Postal Service mail and, as a member driven organization, we urge you to participate by casting -- mailing in -- your ballot.

Ballots will be mailed out to members, accompanied by photographs of each candidate and a 300-word statement (if provided by a candidate) by October 1, 2020.

If you do not receive your ballot by October 16, please contact [cpereira@arrl.org](mailto:cpereira@arrl.org).

Thank you for being a loyal member of the ARRL.

*The Ethics & Elections Committee of the Board of Directors,  
Fred Hopengarten, K1VR, Chairman  
Jeff Ryan, K0RM  
Mike Ritz, W7VO*

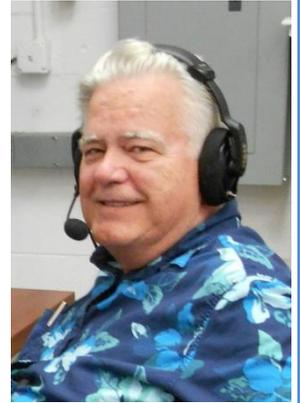


**OCTOBER 15 - OCTOBER 22, 2020**

**[www.arrl.org/auction](http://www.arrl.org/auction)**

## Fifteenth Anniversary Special Event - K8BF

Tom, KB8UUZ



### 2020 is the Portage County Amateur Radio Service's 15<sup>th</sup> year



Our club 'birthday' is November 14, 2005. Way back then, a small group of hams got together and decided to start a club in order to promote ham radio and most of all - to have **FUN** with ham radio.

Over the years many people have joined us in this effort and the club has accomplished a lot. We have exceeded our expectations with the help of all of the members, past and present.

To celebrate this special occasion PCARS is going to have a Special Event Station. However it will be a bit different than the usual special event station considering this COVID-19 situation. Normally, we would meet at the club site on a Saturday and run the club site radios for about 12 hours as we have done with past PCARS special events. Well, we all know that is not going to happen this year. But, have no fear - this may be even **MORE FUN** for the PCARS members that participate.

Starting at 12:01 am on Saturday, November 7<sup>th</sup> and running until 11:59 pm on Sunday, November 15<sup>th</sup> - PCARS WILL be on the air - yes - for a whole week !

This is how the special event is listed on the ARRL site (and it will be in the December issue of QST which comes out in November prior to our special event):

11/07/2020 | Portage County Amateur Radio Service 15th Anniversary  
Nov 7-Nov 15, 0001Z-2359Z, K8BF, Mantua, OH. Portage County (Ohio)  
Amateur Radio Service. 21.315 14.285 7.185 3.815. Certificate. Tom Parkinson,  
9992 State Route 700, Mantua, OH 44255. PCARS Club members will be on  
160/80/40/20/15/10/6/2/70cm/EchoLink(K8SRR) - all modes as K8BF. Color  
certificate (8"x10") or QSL card available with your QSL card and SASE to Tom  
Parkinson - 9992 State Route 700 - Mantua, OH 44255. Join us in our 15th year  
celebration as an Amateur Radio Club ! [www.portcars.org](http://www.portcars.org)



**Yes** - we will be making contacts on **160/80/40/20/15/10/6/2/70cm/ and even on Echo-Link**. All modes can be used - **AM/FM/SSB/CW/Digital !!** You will be operating from **YOUR** home QTH using **YOUR** radio and using the **club call sign K8BF**. Even if there is more than one person (for example) on 40 meters SSB at the same time - **that's OKAY!** This is going to be a **FUN** activity for all that participate. Just make those contacts!!

So - if you (as a PCARS member) want to be part of this PCARS Special Event Station - this is what you have to do: Sent me an email ([kb8uuz@gmail.com](mailto:kb8uuz@gmail.com)) and I will put you on the list. I will also send you information on how to log your contacts and how to submit your log information to me. This special event activity to celebrate our 15<sup>th</sup> anniversary as a club us going to be **BIG FUN** for all !



# PCARS Thursday 2 Meter Nets



**Greg, KA8TOA**  
Net Control Coordinator

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

**Don't forget - 4<sup>th</sup> Thursday is NET NIGHT at the club site - sometimes yes, sometimes no - watch for a QST in your email box for details**

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

October	
1	N8QE
8	WB8LCD
15	K8IV
22	N8AMY
29	KD8WCK

November	
5	
12	
19	
26	Thanksgiving

December	
3	
10	
17	
24	Christmas Eve
31	

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

If you have not been a Net Control Operator for PCARS and would like to give it a try, please contact me at: [rgory999@roadrunner.com](mailto:rgory999@roadrunner.com) everyone who is a club member is welcome to have a turn - and have fun being the PCARS Thursday Night Net Control !

Hi everyone Please be safe and enjoy playing Radio this month. I would like to thank everyone for running the nets and checking in. Thanks for your support and your help to make our nets worthwhile. I know the club officers and members appreciate it and so do I. As always, if there is an issue please let me know a few days ahead and I will take care of it.

For now 73 and have fun.



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



**PCARS**  
[www.portcars.org](http://www.portcars.org)



# Contest Calendar

October Contest Calendar	
Contest Name	Dates and Times
10-10 Int. 10-10 Day Sprint	0001Z-2359Z, Oct 1
California QSO Party	1600Z, Oct 3 to 2159Z, Oct 4
Nevada QSO Party	0300Z, Oct 10 to 2100Z, Oct 11
Arizona QSO Party	1600Z, Oct 10 to 2359Z, Oct 11
Pennsylvania QSO Party	1600Z, Oct 10 to 2200Z, Oct 11
10-10 Int. Fall Contest, CW	0001Z, Oct 17 to 2359Z, Oct 18
New York QSO Party	1400Z, Oct 17 to 0200Z, Oct 18
Stew Perry Topband Challenge	1500Z, Oct 17 to 1500Z, Oct 18
Illinois QSO Party	1700Z, Oct 18 to 0100Z, Oct 19
ARRL School Club Roundup	1300Z, Oct 19 to 2359Z, Oct 23
CQ Worldwide DX Contest, SSB	0000Z, Oct 24 to 2400Z, Oct 25

YES - There are MANY More Contests out there - Check the internet

Contests that will be active <b>at the PCARS Club Site</b> in 2020	
<b><u>NOTE: All Contest Activities from Club Site</u></b>	
<b><u>Subject To Cancellation      Check Web Site for Updates</u></b>	
Date	Contest
<del>Oct 3-4</del>	<del>California QSO Party</del> <b>Club Site participation Cancelled</b>
<del>Oct 10-12</del>	<del>Pennsylvania QSO Party</del> <b>Club Site participation Cancelled</b>
<del>Oct 17-19</del>	<del>New York &amp; Illinois QSO Parties</del> <b>Club Site participation Cancelled</b>



My local BK measures distance using onion rings

## Charlie the Tuner's HF High-Lites

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



Pretty soon the frost will be on the pumpkin! It's getting chilly out there. We have had some really nice days lately with cool mornings and evenings but really nice afternoons. OK, I'm not the WX man but we need these types of days to get things done before the WX closes in on us. I'm hoping for an Indian Summer. (Probably not politically correct these days.) We've started on Tower 2 at my QTH and we might even get a section or two on the tower before we quit for the year.

20 meters was open during the middle of September. I know, because I worked quite a few stations on 20 myself!! It's great to be back on the air after not having anything going on from my shack for more than a year and a half. The rig is working fine and the antennas are simply great. I'm hoping that some of you are enjoying working DX. Look for northern Europe and European Russian stations.

And check out the listings below to see what you can snag. Let's take a look!

As always thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, the AB5K's AR Cluster Networks, NJ1Q & W1AW, W1CU, NG3K & ADXO, W3OA, W3UR & The Daily DX, W5AJ, WB6RSE, K8YSE, W8GEX & 60m DX News, W9ILY, DL1SBF, DL7UXG & The DX News Letter, DXNews.com, DX-World.Net, EA5RM, F6AJA & Les Nouvelles DX, I1JQJ/IK1ADH & 425 DX News, JH8KYU/1, ON4ZD/OS0S, RN3RQ, Sixitalia Weekly and VA3RJ & ICPO for the following DX information.

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

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

**Please keep in mind that there is still a laundry list of countries that have postponed their mail service for the time being and will not accept mail from outside their borders.**

**October...**

**9M6, EAST MALAYSIA.** Saty, JE1JKL, will once again be active as 9M6NA from **Labuan Island** (OC-133), East Malaysia, for both CQWW DX SSB Contest (October 24-25th) and CQWW DX CW Contest (November 28-29th) as a Single-Op/All-Band (40-10m)/Low-Power entries. However, both operations will be done remotely thus not eligible for IOTA credit but good for DXCC. QSL via ClubLog's OQRS only for Bureau and direct QSLs. All the logs are promptly uploaded to LoTW. Visit Saty's home page at: <https://jsfc.org/je1jkl/9m6na.html>

**CB33, CHILE** (Special Event). Members of the Radio Club Eternautas (CE3ETR) active as CB33M until Oct 13. Activity is to commemorate the 10th anniversary of the August 2010 landslide in a mine in the north part of Chile (Atacama Desert) where 33 miners were trapped for 3 months until their rescue was carried out. Ops will be on 80m-70cm using CW, SSB & Digital modes (FT8/FT4, JS8, RTTY, PSK31 and SSTV). QSL via PO BOX 12096, Santiago, Chile.

**E6 & A3, NIUE AND TONGA** (Reminder). Operators Stan/ LZ1GC and Ivan/LZ1PM will be active from **Niue** as E6AM until October 17th. After their operations in Niue, look for Stan, LZ1GC, (by himself) to be active as A35GC from **Tongatapu Island** (OC-049), Tonga, between October 19th and November 2nd. Activity from both islands will be on 160-6 meters, including 60m and 30/17/12m bands, using CW, SSB, RTTY and FT8. Logs will be uploaded to ClubLog during the activity and LoTW uploads to the sponsors one month later. A full log upload to LoTW will happen 6 months after their activity. QSL via LZ1GC, ClubLog's OQRS, direct it by the Bureau.

**HD1, ECUADOR.** Members of the HCDX Group active as HD1X from a remaining tropical rainforest from **Chocó eco-region (Grid FI09iv)**, promoting the biodiversity of their country, Ecuador. The special callsign HD1X will be active

between Oct 31st (1700 UTC) and Nov 3<sup>rd</sup> (1700 UTC) on various HF bands including 30/17/12m, using SSB, SSTV and the Digital modes (FT4/FT8). VHF & UHF will be activated on the FM and SSB ham Satellites. QSL via EC5R.

**JD1, OGASAWARA.** Makoto, JI5RPT, will active as JD1BLY from Chichijima Island (AS-031) between October 3-6th. The schedule may change depending on the status of COVID-19. Activity will be on 630-6 meters using CW, SSB and the Digital modes (NO 6m EME). He states that he will focus on the "630m band", 160m (SSB), the satellite (RS-44), FT8 on the HF bands. "630m Band" will be active mainly on JT9 mode. QSL via his home callsign JI5RPT.

**JW, SVALBARD** (Change In Plans). Erwann, LB1QI, will be active as JW/LB1QI from the JW5E club station in Loneyarbyen, Spitsbergen Island, Svalbard (EU-026), between Oct 15-18th (not Sept 24-27<sup>th</sup> as first reported), due to bad predicted propagation. Activity will be on 160-6 m using CW and SSB, with a Yaesu FT857d and a JUMA PA1000 Amp. QSL via LB1QI, direct, by the Bureau, LoTW or ClubLog. You can follow his preparation on QRZ.com or FaceBook

**JX, JAN MAYEN** (Update). A team of operators active as JX0X from **Kvalrosbukta**, Jan Mayen (EU-022), until Oct 5th, 2021. Ops mentioned are Ken/LA7GIA, Mats/RM2D, Dima/RA9USU and Dominik/R4BE (DL5EBE). The team has been planning this operation for 14 months and finally received all permissions needed from the Military and the Norwegian authorities. Activity on all bands and modes, but the DXpedition will focus on the lower bands (160-30m) using CW & Digital modes. Also do the other bands like 60, 20 and possible 17m and SSB depending on the conditions. Their aim to work 50,000 QSOs. All QSLs are via ClubLog's OQRS. The team is looking for supporters and sponsors.

**LX, LUXEMBOURG.** Operators Gerard/PA0PIW, Gert/PA2LO, Maarten/PA3EYC, Tymen/PA3GRM, Bert/PD0GP and Hans/PE1KWH will be active as LX/homecall from Wilwerdange, Luxembourg, between October 15-18th. Activity will be on 160-10 meters using CW, SSB, FT8, FT4 and RTTY. QSL via PA3EYC, ClubLog or LoTW. PLEASE NOTE: PD0GP will be using the LX6/ prefix for the Luxembourg novice class. If they have permission, they will try to operate from a Conzefenn site (LXFF-0039) for the "World Flora and Fauna" program, and sign as LX/homecall/p.

**ON, BELGIUM.** Members of the Pajottenlandse Radio Amateur Club will be QRV with special call sign OT5ABI until Oct 18 to raise awareness of the work being done by the NAH Liga for Acquired Brain Injury. QSL direct to ON6LC.

**P4, ARUBA.** John, W2GD, will once again be active as P40W from Aruba (SA-036) between October 20-27th and November 19-25th (Travel restrictions dependent). Activity will include the CQWW DX SSB Contest (October 24-25th) and the CQWW DX CW Contest (November 28-29th) as a Single-Op/ All-Band entries. Operations outside of the contest are usually on 160/80m and 30/17/12 meters as time permits and with an emphasis on CW. Watch 160m on the hour and 80m on the half hour. QSL via LoTW or direct to N2MM, Bureau cards are no longer accepted. Logs will be loaded on LoTW upon his return to the USA.

**PJ4, BONAIRE.** Martin, W1MD, will be active as PJ4A from the "PJ4G Radio House" on Bonaire (SA-006, WLOTA LH-1279) during CQWW DX SSB Contest (October 24-25th) as a Single-Op/High-Power entry. Outside the contest, Martin will be active as PJ4/W1MD. QSL PJ4A via K4BAI. QSL PJ4/W1MD via his home callsign.

**SA-052.** Markus, DJ4EL, will activate 2 islands in the **Suriname SA-092 IOTA group** in Oct: **Houttuyn Island** - as PZ5GE; between Oct 11-25th; on 40-10m using SSB; WW Loc. GJ25kr **Pagegaaien Island** - as PZ5G; between Oct 16-19th; on 80-10m using CW and SSB; WW Loc. GJ15kv QSL both operations via LoTW or his home callsign.

**V3, BELIZE.** Marc, V31MA, will be active as V3A during the CQWW DX SSB Contest (October 24-25th) as a Single-Op/All-Band/Low-Power entry. QSL via M0OXO.

### IOTA News...

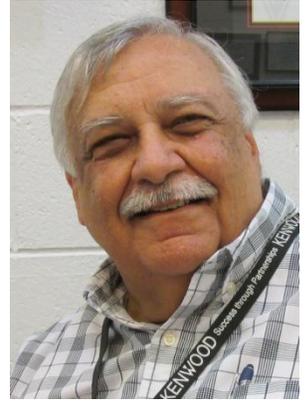
**EU-074.** Jerry, F4HJO, will be active as F4HJO/P from **Brehat Island** (ARLHS FRA-463, FFF-1194, DIFM MA-012) between October 17- 24<sup>th</sup>. Activity will be on 80/40/20/17 meters using mainly SSB. QSL via F4HJO, direct, by the Bureau, ClubLog's OQRS (preferred) or LoTW.

Well there you have a number of good DX prospects for October. Get on the air and have some fun hunting down some DX. 73 for now.



## *DX & Contest Special Interest Group*

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



We held our DX/Contest Special Interest Group meeting on Tuesday, Sept. 22 by way of Zoom. I am sorry if some of you missed it due to my late meeting announcement.

We discussed the upcoming California QSO Party that takes place on the weekend of Oct. 3 1600Z to Oct. 4 at 2159Z. We had planned on having at least two ops participating from the club site but due to Portage County being now designated RED Covid, that was cancelled.

So everyone who wants to participate can do so from their home QTH using their own call signs. Please designate "Portage County Amateur Radio Service" as your club affiliation on your Cabrillo log entry. And don't forget to download the latest N3FJP contest log (if that is what you use) for this event.

I asked all those in the meeting to send me their final scores so that I have an idea of how we did. (Do not send me logs.)

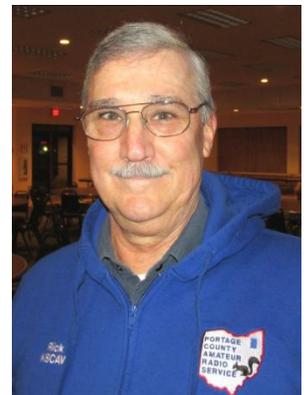
We also briefly discussed other contests that are coming up in October that we all can play in from our QTHs.

- Oct 10-11: NV QSO Party. PA QSO Party (Several members plan on playing in this one.) AZ QSO Party
- Oct 17-18: NY QSO Party. IL QSO Party
- And for those that are somewhat brave: CQ Worldwide DX Contest, SSB on Oct 24-25

I hope to hear many of you on the air.

## *Digital Special Interest Group*

**Rick, K8CAV**  
Digital SIG Coordinator



Portage County has recently been put in a RED COVID-19 status so the Digital Special Interest Group meeting will again transition to a virtual, on-the-air meeting. We will meet on Tuesday October 6th at 7:00 PM on the K8IV 146.895 118.8 PL repeater.

There is no specific topic for this meeting but we can discuss anything involving digital communications that you might like. Additionally, we can do on-the-air digital coms in whatever mode you would like. For those interested, we can also transition the net to HF to try digital coms there. As always we will be available to answer your questions or to help with any issues you may be having. I hope to see you there!



**PCARS**  
[www.portcars.org](http://www.portcars.org)



## CW Special Interest Group

**Terry, KB8AMZ**  
CW SIG Coordinator



September 21, 2020, Governor Michael DeWine announced the 5 counties in Code Red Status. Portage County is one of the 5 counties. Due to your host of QRP - CW, me, being in the high risk due age I am cancelling the SIG for October.

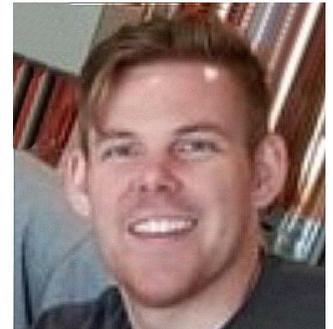
Our literary for the past 5 SIG's has been to come to the club site for get on the air using a straight key at 5 watts or less. I did this because some of our members have licensed for a considerable amount of time yet have no access to a HF transceiver. Attendance has been low but beneficial to those that have attended and made a contact for their first time.

I hope that this madness improves for 2021 so that we can resume all of our special interest groups. We have some nice equipment that our members are restricted from using due their health safety. Be safe, wear your mask when around others, and we will meet again in person someday.



## Schematic Wall Art

**Matthew, KN4GWY**



While on the road again for work, this time in Reno Nevada, my motel room had some interesting wall art.

I think I need to study harder for my extra as I could not work out the schematic on the hotel room wall, but I could turn the light on!

I didn't see any connections for an antenna or a microphone.....





*From the ARRL*

## NCVEC Holds Its Annual Meeting via Teleconference

ARRL Volunteer Examiner Coordinator (VEC) Manager Maria Somma, AB1FM, reports that the National Conference of Volunteer Examiner Coordinators (NCVEC) held its annual meeting via teleconference on August 21. Somma is the NCVEC Vice Chair. NCVEC Chair Larry Pollock, NB5X, presided at the 35th annual meeting. The NCVEC functions to facilitate communication between the FCC and VECs. Representatives of all 14 FCC-certified VECs took part in the conference, while nine FCC staff members were on hand.



FCC Enforcement Bureau (EB) Special Counsel Laura Smith advised VEC delegates that the FCC has been on lockdown since March and that staff members will be teleworking indefinitely. This includes staff at FCC Headquarters in Washington, DC; the Gettysburg, Pennsylvania location, and the other field offices. Smith said field engineers aren't going out unless the issue involves safety or if lives are in danger.

FCC Mobility Division (MD) Deputy Chief Tom Derenge explained that one of his areas of responsibility is processing paperwork for applicants answering "yes" to the basic qualification question (BQQ) that asks if they've ever been convicted of a felony. Derenge said that paperwork from his office goes to the FCC General Counsel and the Investigations and Hearings Division (IHD). Those divisions are responsible for resolution in non-compliant conduct. Paperwork in these instances may take a while to be processed, Derenge said.

Derenge recommended that VECs make it clear to applicants that their address will be public information when the new license is issued. He pointed out that once an address is in the FCC database, it's nearly impossible to be permanently removed.

Dorothy Stifflemire, the Associate Division Chief of the [WTB Technologies Systems and Innovation Division](#), told VECs that new license applicants should create an FCC user account and register their Social Security number (SSN) in the FCC Commission Registration System (CORES) before attending exam sessions. Registrants will be assigned a Federal Registration Number (FRN), which will be used in all license transactions with the FCC.

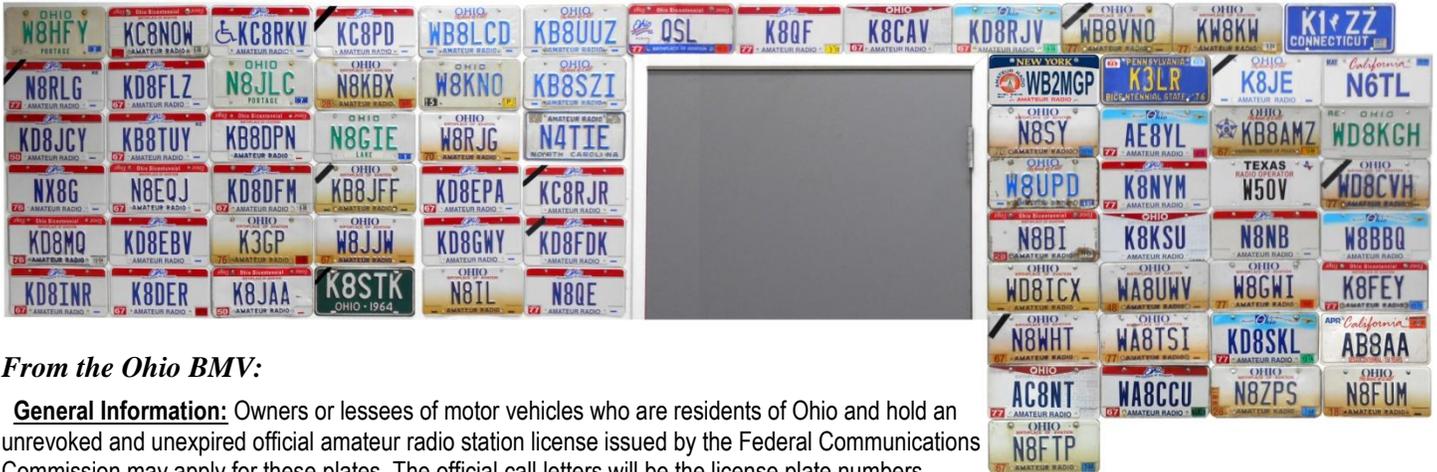
She explained that auto-registration in CORES at exam sessions using a Social Security number will be going away. In addition, because no mail is being sent due to the COVID-19 pandemic, applicants will not receive their auto-created password and FRN and will not be able to access the Universal Licensing System (ULS), the FCC license records database. Going forward, she said, VECs should make sure all applicants have an FRN before exam day.



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



## From the Ohio BMV:

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

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

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

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

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

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

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

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

## PCARS is on YouTube

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

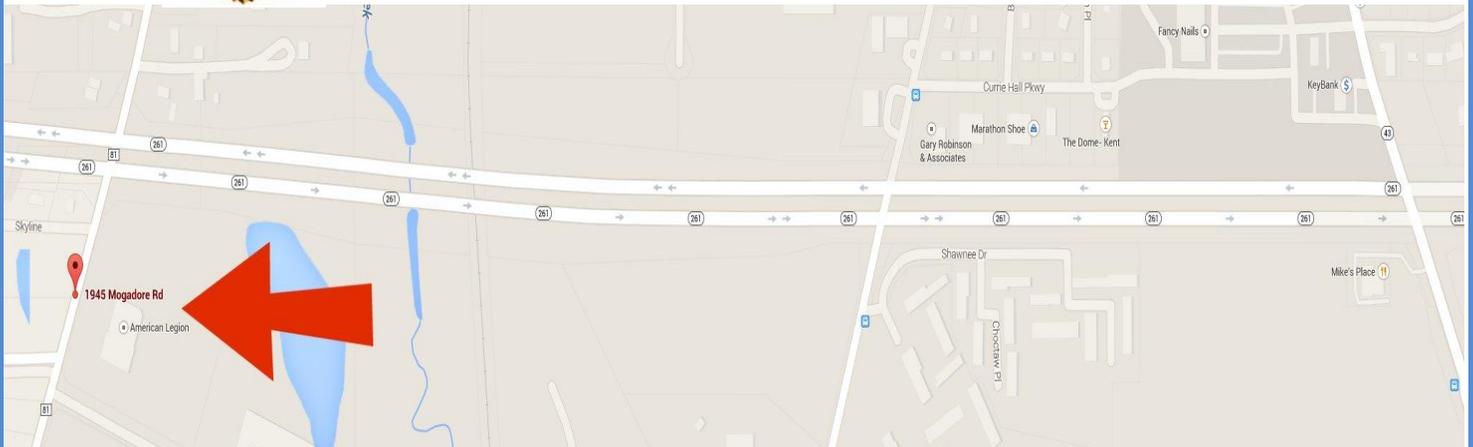


# PCARS Meetings

The Portage County Amateur Radio Service (PCARS) 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.

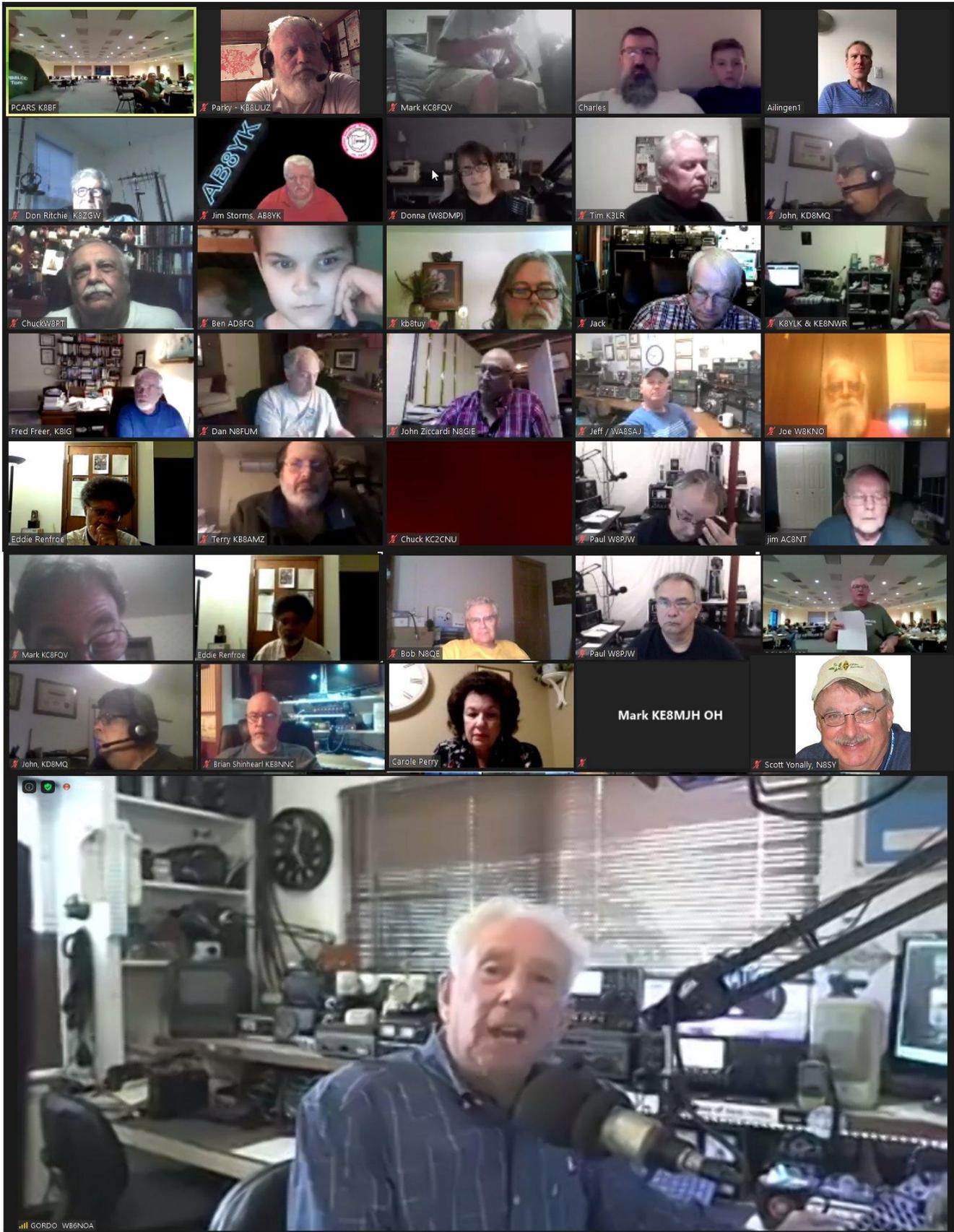


*The picture on the left shows  
The American Legion Post 496  
as viewed from Mogadore Road.  
(looking East)*

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

# Photos from the September PCARS Meeting





# Portage County Amateur Radio Service, Inc. (PCARS)

Membership Application [ ] New [ ] Renewal

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

Name: \_\_\_\_\_ Call Sign: \_\_\_\_\_ License Class: \_\_\_\_\_

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

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Phone: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

ARRL Member? [ ] Yes [ ] No ARRL Membership Expires Month: \_\_\_\_\_ Year: \_\_\_\_\_  
*Use 2099 if ARRL Life Member*

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

Birthday: _____	Month: _____	Year: _____
-----------------	--------------	-------------

A \$5.00 initiation fee will be assessed in the first year of membership for all new members.  
 Membership year is Jan 1 - Dec 31. Dues are due no later than Dec 31st. If you don't pay by 12/31 - you are no longer a member and you will have to pay the \$5.00 fee again plus dues per the schedule below and you will be issued a new member number.

Check One	Membership	Renewal & New Membership Rate **	New Membership Rate **
	<b>Life Member ***</b>	\$75-Founder \$175-Charter	\$250-Regular \$125-Senior
	<b>Regular Member</b>	\$20.00 Jan-Dec	\$15.00 July-Dec
	<b>Associate Member</b>	\$20.00 Jan-Dec	\$15.00 July-Dec
	<b>Senior Member (65+)</b>	\$16.00 Jan-Dec	\$11.00 July-Dec
	<b>Family Member *</b>	\$10.00 Jan-Dec	\$5.00 July-Dec

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

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

\*\*\* Must have been a member in good standing for previous 5 consecutive years.

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

What are **YOUR** Ham Radio interests:

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

Date Received:	<input type="radio"/> New <input type="radio"/> Renew	
Initiation Fee: \$	+ Dues: \$	= Total \$
Paid: <input type="radio"/> Cash -or- <input type="radio"/> Check    Check # _____		
-or- <input type="radio"/> PayPal Transaction Number: _____		
Date Voted:	Results:	Member Number: _____
<input type="radio"/> Database Updated		<small>Rev. .9 September 2020</small>



## Contact Information

I am a brand new member or my membership has been lapsed for 2 or more years. My club will keep \$15 of my dues.

I am renewing (includes lapsed members of less than 2 years). My club will keep \$2.00 of my dues.

Name \_\_\_\_\_ Call Sign \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Email \_\_\_\_\_ Phone \_\_\_\_\_

Date of Birth \_\_\_\_/\_\_\_\_/\_\_\_\_ Get an annual birthday coupon (US only)

My Family Member is Joining or Renewing: (\$10 per member)

Name \_\_\_\_\_ Call Sign \_\_\_\_\_

Name \_\_\_\_\_ Call Sign \_\_\_\_\_

## Your Annual Membership Dues – Circle Your Choice/s.

	1 Year	2 Years	3 Years	
US	\$49	\$95	\$140	Monthly QST via standard mail for US members
Youth	\$25			Must be 21 years old or younger AND the oldest licensed Radio Amateur in the household
Canada	\$62	\$120	\$177	Monthly QST via standard mail for Canadian members
International	\$76	\$147	\$217	Monthly QST via standard mail for International members
International/Canada – no print QST	\$49	\$95	\$140	Digital QST only
Family	\$10	\$20	\$30	Must reside with primary member and have corresponding membership dates; no extra copies of QST
Blind	\$10	\$20	\$30	No QST delivery; all other member benefits apply. Requires a one time signed and dated statement of Legal Blindness

Additional membership options available online at [www.arrl.org/join](http://www.arrl.org/join). US Memberships include \$21 per year for subscription to QST. Dues are subject to change without notice and are non-refundable. Only one free book and one monthly issue of QST per family. Memberships may not be combined with any other promotion or special offer.

I do not want my name and address made available for non-ARRL related mailings.

## Payment Information

Please charge my ARRL dues less my club's commission. I have paid the commission directly to my club.

\$ \_\_\_\_\_ Total Charge to:  Visa  MasterCard  Amex  Discover  Check Enclosed

Card Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

Card Holder's Signature \_\_\_\_\_

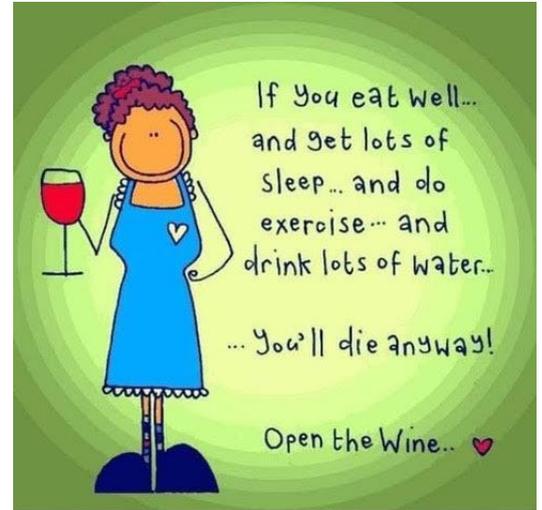
## Covid-19 and Wine

Two main symptoms of having COVID-19 is losing your sense of smell and taste.

Here's the Redneck COVID-19 Test.

- 1) Get a bottle of your favorite wine.
- 2) Pour some into a wine glass.
- 3) Place it up to your nose, and take a sniff. If you smell the flavor, take a sip of it. If you can taste it, then you're negative.

Repeat the test as often as needed (hi hi).



-----  
That reminds me of this HUGE wine glass, and the caption said "The doctor said to drink one glass of wine per day".  
-----

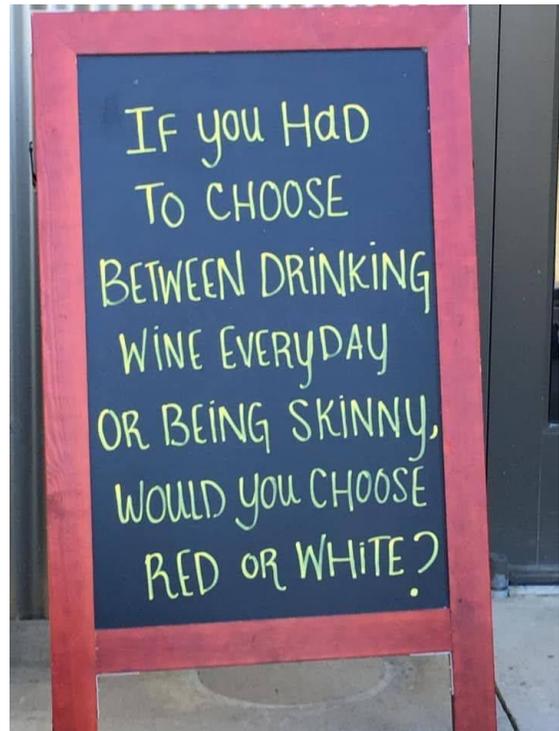
Or like in the restaurant, where the maitre'd asks the customer "Wine, sir??". The customer starts sobbing "Well, if you insist!!".

**Daryl, WX4QZ**

**I might have a slight drinking problem...**

**My husband asked me to toast some bread for him.**

**I raised my wine glass and said, 'Here's to bread.'**



# Thanks & 73



**Parky, KB8UUZ**  
PCARS Newsletter Editor



I really appreciate the help in gathering material to keep this newsletter number one. Without your help we would not have received the newsletter awards that we do get. All of our members (and others) look forward to getting this newsletter every month, so keep sending those inputs! I'm sure PCARS is known as the **BIG FUN** amateur radio club. So chip in and send your report in to keep this newsletter great for 2020 and beyond. You will see some humor based cartoons and articles about the COVID-19 - Yes, I agree this pandemic is VERY serious to all - but in tough times, you just have to have a bit of humor to get you through - I hope you agree. Hang in there, please.

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

**WB8LCD, AC8QG, KE8EGF, K9AN, G4EJS, K1JT, KB8UUZ, KD8CGH, NO8D, NF8R, N8XTH, N8SY, W8KNO, N8WCP, K8CAV, W9CI, KA8TOA, W8PT, KB8AMZ, KN4GWY, WX4QZ, The ARRL, WHIO-TV, and the world wide web.** With *your* continued help – we can keep making this a *great* newsletter.



Wife: Did I get fat during Quarantine?  
Husband: You were never really skinny!  
Time of Death: 4/25/20  
11:23 pm Cause of Death: Corona virus



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

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

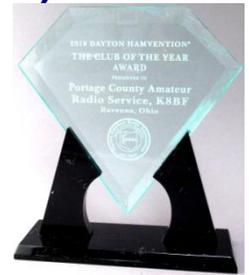


PCARS meets the second Monday of each month at the **Kent American Legion Post 496**,  
1945 Mogadore Rd. - just South of Rt. 261 - Enter the rear of the building for the meeting room.

**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: **K8SRR**

Check PCARS out on the web: [www.PORTCARS.ORG](http://www.PORTCARS.ORG) -or- [www.K8BF.ORG](http://www.K8BF.ORG)



~ 2020 Officers ~		2020 PCARS Appointments & Committees	
President - Tom Sly - WB8LCD Vice President - Nick Wagner - AC8QG Treasurer - Paul Hyland - KE8EGF 3 Year Trustee - John Myers - KD8MQ 2 Year Trustee - Terry Morris - KB8AMZ 1 Year Trustee - Ed Polack - K8IV Past President - Jim Wilson - AC8NT	ARRL Awards - DXCC	<b>W8KNO</b>	Joe Wehner
	Club Site Manager/Liaison	<b>K8CAV</b>	Rick Kruis
	Contest Coordinator	<b>W8PT</b>	Chuck Patellis
	EchoLink & Web Guru	<b>K8SRR</b>	Steve Randlett
	Field Day Chairman, 2020	<b>WA8AR</b>	Tony Romito
	FYAO Chairman	<b>W8PT</b>	Chuck Patellis
	Historian	<b>KB8SZI</b>	Peggy Parkinson
	K8BF Callsign Trustee	<b>N8AMY</b>	Amy Leggiero
	K8BF QSL Manager	<b>N8AMY</b>	Amy Leggiero
	Membership Chairman	<b>AC8NT</b>	Jim Wilson
	Net Control Manager	<b>KA8TOA</b>	Greg Ash
	Net Night - Club Manager	<b>WB8LCD</b>	Tom Sly
	Newsletter Editor	<b>KB8UUZ</b>	Tom Parkinson
OSPOTA Chairman	<b>KB8UUZ</b>	Tom Parkinson	
~ Meetings & Net ~		Public Information Officer	
2nd Monday of each month. 7pm  Thursday night Club Net at 8 pm on 146.895	Secretary	<b>N8WCP</b>	Mike Szabo
	Social Media	<b>N8AMY</b>	Amy Leggiero
	Tech, Gen & Extra Class Manager	<b>AC8NT</b>	Jim Wilson
	Volunteer Examiner Liaison	<b>KB8UUZ</b>	Tom Parkinson
	Webmasters	<b>KD8MQ</b>	John Myers
		<b>K8SRR</b>	Steve Randlett

**PCARS**  
Active  
Volunteer  
Examiner  
Team  
Members

<b>KB8UUZ</b>	Tom Parkinson
<b>WB8LCD</b>	Tom Sly
<b>N8XTH</b>	Deron Boring
<b>N8PXW</b>	Jim Korenz
<b>N8QE</b>	Bob Hajdak
<b>K8IV</b>	Ed Polack
<b>WA8CCU</b>	Al Nagy
<b>AC8NT</b>	Jim Wilson
<b>KA8TOA</b>	Greg Ash
<b>W8PT</b>	Chuck Patellis
<b>AC8QG</b>	Nick Wagner
<b>N8FUM</b>	Dan Torchia
<b>W8GWI</b>	Dave Seckel
<b>N8AMY</b>	Amy Leggiero



## 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** is the official newsletter of the Portage County Amateur Radio Service, Inc. (PCARS) - **Hamvention® 2018 Club Of The Year** - copyright ©2020. The **RADIOGRAM** is an **Award Winning** newsletter: **ARRL Ohio Section Newsletter - Third Place 2015 - Second Place 2014, 2016, 2020 - First Place 2012, 2013, 2017, 2018, 2019. ARRL Great Lakes Division Newsletter - Second Place 2013 - First Place in the 2017 & 2020.** Articles are the opinion of the authors and not necessarily those of PCARS. Or, better yet, let me express it this way: "These are my opinions and only my opinions, unless you share them as well, which would make them our opinions, but I am not of the opinion that I can express your opinion as my opinion without your prior expression of said opinion, and then my re-utterance of that opinion would, in my opinion, be foolish unless I were expressing agreement to your opinion, and then it wouldn't be my opinion but your opinion to which I only agree." **GO AHEAD - STEAL THIS NEWSLETTER!** You have our permission to post, e-mail, copy, print, or reproduce this newsletter as many times as you like, but please do not modify what you use. If you use material in this newsletter, all we ask is that you give credit to PCARS along with the author of the article. Caution - some of the articles in this newsletter maybe covered by copyright - please do not copy and use the ones that have by-line information unless you obtain permission from the original author. If you're not sure, drop an e-mail to [KB8UUZ@gmail.com](mailto:KB8UUZ@gmail.com). The **RADIOGRAM** always obtains written permission for reproducing copyright material. The **RADIOGRAM** comes out the first day of each month (usually), please have inputs submitted by 8 pm ET on the last Friday of each month. ARES® (Amateur Radio Emergency Service®) is a program of, and both logos are registered trademarks (used with permission) of the American Radio Relay League, Inc. ARRL, the National Association for Amateur Radio™. **Why the Black Squirrel in our logo?** For those of you not familiar with it: The Black Squirrel is commonly seen around Portage County, Ohio. Seems that some of these little guys and gals got loose from Kent State University back in 1961. They have migrated and thrived throughout our county. Kent State University even has an annual Black Squirrel Festival. **So when you spot a black squirrel - think PCARS!**

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



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NLC

