



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

February 2020 - Volume 15 Number 2

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PCARS K8BF

The Club that puts the FUN in Ham Radio!





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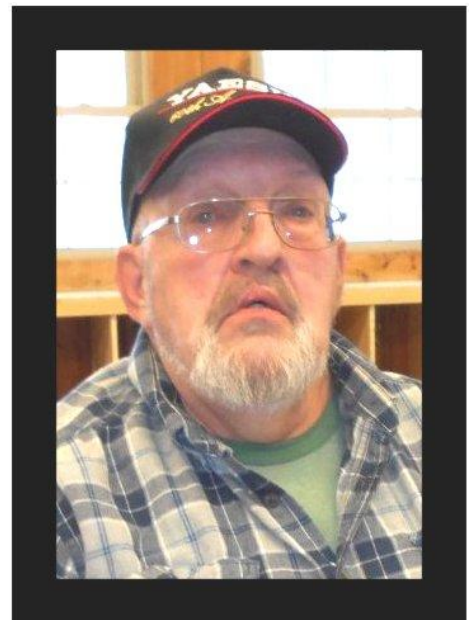
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Dave DeSimio, WA8GCF - SK

Sadly, another PCARS member is SK. Dave DeSimio, WA8GCF was PCARS member # 163. Dave and his wife Vivian attended just about every PCARS meeting and function. Dave was presented with the PCARS President's Award in 2017. Dave was always ready to talk about ham radio. He will be missed by many of his fellow amateur radio operators.



This was listed in the Record Courier on December 27th:

ATWATER - David L. DeSimio, 72 of Atwater, passed away Tuesday December 24, 2019 at the Woodlands Health and Rehab in Ravenna, Ohio.

He was born December 27, 1946 in Ravenna, Ohio to the late Louis and Marion (Sampson) DeSimio. David has lived in Atwater since 1978 and retired from Parker Hannifin where he works as a maintenance man. He at one time was also a deputy for the Portage County Sheriff's office. In 1964 he became a graduate from Ravenna High School and his hobbies included memberships in the Portage Amateur Radio Club, the Portage County Radio Amateur Service, the Ravenna Moose 1234, and was a 32 degree Mason.



In addition to his parents, he was preceded

in death by his brother Robert. Survivors include his wife Vivian (Schimoeller) DeSimio whom he married August 22, 1970, his son David E. (Sandra) DeSimio of Louisville, his grandchildren Samantha, Jacob, Abigail and his brother Richard (Kathleen) DeSimio of Ravenna.

Calling hours were Saturday from 2:00 PM until time of funeral services at 4 PM at the Shorts Spicer Crislip Funeral Ravenna Chapel. At his request, cremation will follow the services. Inurnment will be in St. Mary Cemetery at a later date. The family asks that in lieu of flowers, memorial donations may be made to the Portage County Animal Protective League. Condolences and memories of David may be shared with his family at www.sscfuneralhomes.com. (RC, 12/27/19)



From the President

Tom, WB8LCD

PCARS President



February is shaping up to be a good month for PCARS!

Let's start with Saturday, Feb 1st – there will be a VE session at the PCARS club site. I know that this is not really advance notice (there have been other notices, so it should not be a surprise), but it's worth noting that PCARS sponsors an exam session on the first Saturday of Feb, Aprl, Jun, Aug, Oct and Dec. Whenever we hold a licensing class, the last day of that class is always a VE session with walk-ins welcome. I would like to see many new hams in PCARS this coming year, and, I would also like to see as many existing PCARS Techs and Generals take the leap and upgrade. None of us is too old to learn something new, so get those books out and start studying!

Monday, February 3 is the PCARS Officers Meeting. This is where the business of the club is conducted. All PCARS members are welcome to attend the meeting. Always on the first Monday of the month, 7:00PM at the club site.

Saturday, February 8 is FYAO. This was the first event that PCARS ever held as a club, and it has been a popular event every year since. This will be our 15th running of the event, so I hope you'll all come out to participate. Toss some stuff in the car, come out to the Roy Smith shelter house at Fred Fuller Park in Kent and have some radio fun! Even though it doesn't count, I'd like to see someone out there making some satellite Q's. Be sure to bring some good eats to share too – it's going to be a Big Fun Day!

Monday, February 10 is our Club meeting. 7:00 PM at the American Legion Hall in Kent. This will be a skype presentation by a group of Radio Astronomers from Michigan. Should be a very interesting topic and I'm sure Nick will have more to say about it!

Wednesday, February 12 is the first night of class for the General Class upgrade. If you currently hold a Technician class license, you need to get upgraded as soon as possible! This is where you can do it. The format has been changed from an 8 week commitment down to 6 weeks, the 6th week being the VE session. To get signed up for this class contact Jim, AC8NT, he'll give you all the information you need.

Now don't forget, we have a 2-meter club net EVERY week on Thursday night at 8:00PM. The net is on the K8IV repeater (146.895 MHz PL 118.8 Hz). You can also check in from ANYWHERE in the world via the K8SRR Echo-Link Node. On the 4th Thursday of every month we have "Net Night at the Club Site" which is held at the PCARS site in Ravenna. You can check into the net from anywhere (as usual) but on the 4th Thursday you can come out and check in from the club site. You'll find a small group of us there, have some interesting conversations with other PCARS members and usually some snacks and beverages! Basically just a FUN night.

You'll see them listed elsewhere in this newsletter – every Tuesday night there is a Special Interest Group (SIG) held at the club site. These are small groups dedicated to a specific Amateur Radio topic. A good chance to learn more on a topic you're interested in, and at the same time get to know some of your fellow PCARS members just a bit better. A casual night, but always a good time!

Finally, on Saturday, February 29th, we'll be participating in the North American QSO Party – RTTY – at the club site. That will spill over into Sunday March 1.

So, with all that, here's my question to you: What are you going to do? Sit around because it's cold? Be a couch potato and gain some more weight watching reruns of 80's sitcoms and/or another NBA game? Yeah, you could do that for a whole month, or, you could come out and have some **BIG FUN** with PCARS! You would be increasing your Amateur Radio skills and knowledge. You'd be spending time with like minded PCARS members and experiencing the JOY that can only come from being a part of something. I'm not going to let the world, and my life pass me by, I'm going to be there! I hope to see you there too.

From the Vice President

Nick, AC8QG

PCARS Vice President



This month we're starting our General License upgrade class. It's exciting to see people taking the next step forward in the hobby! The more you put into amateur radio, the more you'll get out of it. Good luck to everybody in the class! I look forward to hearing you on HF soon!

Field Day is still a few months away, but work is already well underway. We need lots of help from volunteers, operators, and donors. Our goal, as always, is to involve a lot of club members, have "Big Fun," and win! That's right. We want to win and really think we have a great shot this year. So, get yourself prepared, clear your schedule, pitch in a few dollars, and be ready to help us bring home bragging rights in 2020!

If you want to have more fun on the radio, you should do two things. First, get on the air. Not much can trump experience. Second, come out to one of the special interest group meetings at the club site. If you haven't been to a SIG recently, I encourage you to pick a Tuesday and come join us. It's a great way to keep learning, maybe teach a thing or two, and hand out with some fellow hams!

Upcoming Monthly Meetings:

- February: McMath Hulbert Observatory - Amateur Radio Astronomy
- March: Skype with HamSCI Founder Dr. Nathaniel A. Frissell W2NAF, Hamvention® 2019 "Amateur of the Year"
- April: Michael Kalter W8CI and Jim Storms AB8YK - Dave Kalter Youth DX Adventure (YDXA)

As always, if you have any suggestions for a meeting topic, or if you are interested in giving a presentation, please let me know. We're always looking for new and interesting topics! Thank you to all the people that helped fill this list!

Happy Birthday PCARS Members

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

KC8LJY Michael

KD8DFL Ray

WV8P David

KC8YYS James

N4IT Carl

AB8YK James

KC8QPC Lester



Happy Birthday

Smile and embrace your age.
And remember, you're a lot
younger in dog years!

Schedule of Events



On the calendar for upcoming meetings and activities are:



- February 1st - VE Testing at club site - 10 am - Walk-Ins Welcome
- February 3rd - Board Meeting at the club site - starts at 7 pm
- February 8th - 15th Annual FYAO at Fred Fuller Park in Kent
- February 10th - PCARS Meeting at the Kent American Legion - 7 pm
McMath Hulbert Observatory - Amateur Radio Astronomy
- February 12th - General Class starts at PCARS club site - 7pm
- March 2nd - Board Meeting at the club site - starts at 7 pm
- March 9th - PCARS Meeting at the Kent American Legion - 7 pm
Skype with HamSCI Founder Dr. Nathaniel A. Frissell,
Hamvention® 2019 "Amateur of the Year"
- March 18th - VE Testing at club site - 7pm - Walk-Ins Welcome
- March 21st - Power Distribution Box Build - Club site - 9 am

Special Interest Groups (SIGs) - Every Month at
the Club Site in Ravenna - 7:00 pm

- | | | |
|----------------|---|---|
| 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 in person 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

See Paul for all of the details.



15th Annual FYAO - February 8th !!!!!

All of you know how cold it has been lately. So what better time than to - FREEZE YOUR ACORNS OFF!! On Saturday, February 8th, we will once again be meeting in the Roy Smith Shelter House located in the Fred Fuller Park - 497 Middlebury Rd., Kent, OH, to take part in our annual Special Event.

This is our **15th annual, Freeze Your Acorns Off QRP Event** sponsored by PCARS.

This first event took place on a very cold Saturday in February of 2005. There was no snow on the ground yet, but the temperature and the wind kept reminding us that just perhaps the hand full of PCARS members out in this weather, were a tube or two shy of a complete rig.

The event has grown over the years and now many members take part either setting up stations or just coming out to be with fellow HAMS to cheer the faithful (and still crazy) ops who set up stations in the frigid cold.



You are encouraged to come on out and help make this 15th annual event, the fun event it has been for the past 14 years.

We will start to gather at 9 am which is when the set up starts and the actual operations begin at 10 am and go until 3 pm.

Activity will be in the General portions of the bands of 6, 10, 15, 20, 40 and 80 meters. The modes as in the past are CW, SSB, PSK31 and of course it's all QRP.

Don't forget that there is a **Best Recipe Cook-Off Contest** that takes place also. So clean out the slow cookers and crock pots and break out your recipe books and bring something that shows your culinary skills.

Check the flyer in this newsletter giving you the important info regarding FYAO for 2020 and see the PCARS web site where you can also download the official rules for the event.

Hawaiian style shirts are encouraged to show Mother Nature a little cold weather never hurts us.....

Keep that Saturday open and mark your calendars. Come on out and join us.



Portage County Amateur Radio Service, Inc.



PCARS - K8BF

15th Annual

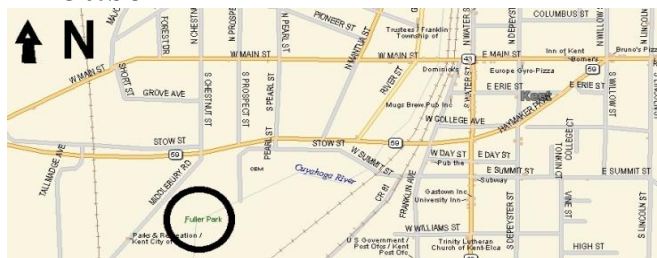
*"Freeze Your Acorns Off"
(FYAO) Special Event Station*



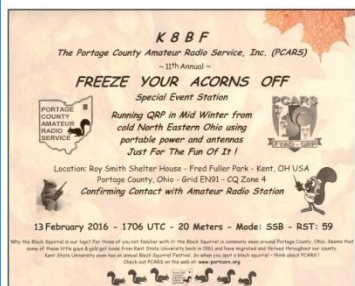
*Where: Fred Fuller Park - 497 Middlebury Rd., Kent, Oh
at the Roy Smith Shelter House*

*When: Saturday - Feb. 8, 2020
Set up: 9 am*

Operating Time: 10 am - 3 pm EST



*We will be active on CW & Phone in the General areas of the 6, 10, 15, 20, 40 and 80 meter bands (Repeater & Echolink on the K8SRR echo link node for a certificate) and anything else we can get working. Club Call Sign **K8BF** for a certificate. Other participating stations will be using their own callsign/FYAO, or calling "CQ FYAO" (only stations at the Freeze Your Acorns Off event should use the /FYAO designator). Yes, we'll be braving the cold snowy weather of North Eastern Ohio to set up QRP stations using portable power and antennas.*



A beautiful color (suitable for framing) 8" x 10" certificate is available if you contact K8BF and send your QSL with a large SASE to the club call trustee:

Amy Leggiero, KD8SKL - 6229 Gladys St Unit B - Ravenna, OH 44266

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



*Check PCARS out on the web at: www.portcars.org
Questions? Contact Chuck, W8PT at chuckw8pt@gmail.com*





PCARS VE Test Sessions

Tom, KB8UUZ
PCARS VE Team Liaison



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

Feb 1st, Mar 18th at 7 pm, Apr 4th, Jun 6th, Aug 1st, Oct 3rd, Dec 5th

June 27th at the Field Day site - 4 pm

Amateur Extra Class question pool changes - July 1, 2020

What to Bring to the Testing Session

- \$15 is still the current test fee. We prefer the exact amount in cash or a check made out to: **ARRL-VEC**
- A government photo ID (**driver's license or state ID card preferred**).
- Your Social Security Number or FCC Federal Registration Number. We are required to submit either your Social Security Number (SSN) or your FCC Federal Registration Number (FRN) with your application. If you are upgrading, your FRN is on your current Amateur Radio license.
- A pen (black ink) and pencil (we can loan you either or both)
- **If you already have an Amateur Radio license: One copy of your current (unexpired) Amateur Radio Operator License issued to you.**
- If you've already passed a test: The original (**and one copy**) of any document that you will use to prove you've already passed a test element.



These documents may include:

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

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

Any Questions? Contact: KB8UUZ@gmail.com

PCARS

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

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

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



Extra Class Question Pool Changes

Daryl, WX4QZ



The National Council Of Volunteer Examiner Coordinators (NCVEC) released the 2020-2024 Amateur Extra Class Question Pool on January 22nd for Amateur Extra Class Exams that go into use on July 1, 2020.



If folks are going to test for the Amateur Extra on or AFTER July 1, 2020, they need to study the NEW pool. Otherwise, if they plan to test for the Amateur Extra up to June 30, 2020, then they should study the current 2016 Amateur Extra Class Question Pool. Both question pools are available at the NCVEC website at www.ncvec.org -- I'm sure there will be examinees coming in who studied the wrong pool... it happens with every question pool change.

From the ARRL/VEC VE Newsletter:

"The 2020 - 2024 Extra class pool incorporates significant changes compared to the current 2016 - 2020 question pool, which expires on June 30. The number of questions in the pool was reduced from 712 to 622. The result was 239 modified questions, 49 new questions, and 139 questions removed due to changes in what was felt to be an abundance of outdated questions, while areas of new technology and subjects were added."

"In addition, an effort was made to balance the difficulty level, removing or replacing some questions deemed too easy or too difficult compared to the rest of the pool. The 2020 pool has 10 diagrams, which have been renumbered because the new Question Pool has two fewer than the 2016 Question Pool."



Extra Pool Changes: https://hamstudy.org/diff/E4_2016/E4_2020/

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



Hamfest Calendar

02/16/2020 - Mansfield Mid-Winter Hamfest - Location: Mansfield , OH - Sponsor: Intercity Amateur Radio Club - Website: <http://WWW.IARC.CLUB>

03/01/2020 - WinterHamFest - Location: Elyria, OH - Sponsor: Northern Ohio Amateur Radio Society Website: <http://noars.net>

03/14 &15/2020 - Toledo Hamfest, ARRL Great Lakes Division Convention - Location: Owens Community College - 30335 Oregon Road - Perrysburg, OH 43551 - Website: <http://www.tmrahamradio.org> - Contact: Rob Hall, KV8P - 8751 Oak Valley Road Holland, OH 43528 - Phone: 419-345-5759 - Email: kv8p@kv8p.com

04/11/2020 - 66th Annual Cuyahoga Falls Amateur Radio Club Hamfest - Location: Cuyahoga Falls, OH - Sponsor: Cuyahoga Falls Amateur Radio Club, Inc. - Website: <http://www.cfar.org/hamfest.php>

08/08/2020 - DX Engineering Hamfest, ARRL Ohio Section Convention - Location: **DX** Engineering/Summit Racing - 1200 Southeast Ave. - Tallmadge, OH - More details to follow!!

Contest Calendar

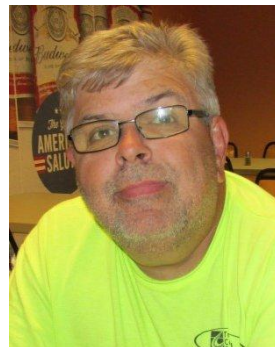
February Contest Calendar	
Contest Name	Times
Vermont QSO Party	0000Z, Feb 1 to 2400Z, Feb 2
10-10 Int. Winter Contest, SSB	0001Z, Feb 1 to 2359Z, Feb 2
Minnesota QSO Party	1400Z-2400Z, Feb 1
British Columbia QSO Party	1600Z, Feb 1 to 0359Z, Feb 2 and 1600Z-2359Z, Feb 2
CQ WW RTTY WPX Contest	0000Z, Feb 8 to 2359Z, Feb 9
ARRL School Club Roundup	1300Z, Feb 10 to 2359Z, Feb 14
ARRL Inter. DX Contest, CW	0000Z, Feb 15 to 2400Z, Feb 16
CQ 160-Meter Contest, SSB	2200Z, Feb 21 to 2200Z, Feb 23
South Carolina QSO Party	1500Z, Feb 29 to 0159Z, Mar 1
NA Collegiate Championship, RTTY	1800Z, Feb 29 to 0559Z, Mar 1
North American QSO Party, RTTY	1800Z, Feb 29 to 0559Z, Mar 1

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

Contests that will be active at the PCARS Club Site in 2020	
Date	Contest
Feb 29 - Mar 1	North American QSO Party-RTTY (Reason for the training)
Mar 14-16	Idaho and Wisconsin QSO Parties
Apr 25-26	Florida QSO Party
May 2-3	New England QSO Party
Jun 13-15	ARRL June VHF Contest
Jul 18-19	North American QSO Party-RTTY
Aug 22-23	Ohio QSO Party & BB-QSO Party
Sept 19-20	Washington State Salmon Run
Oct 3-4	California QSO Party
Oct 10-12	Pennsylvania QSO Party
Oct 17-19	New York & Illinois QSO Parties

ARRL Club Affiliation - 1920

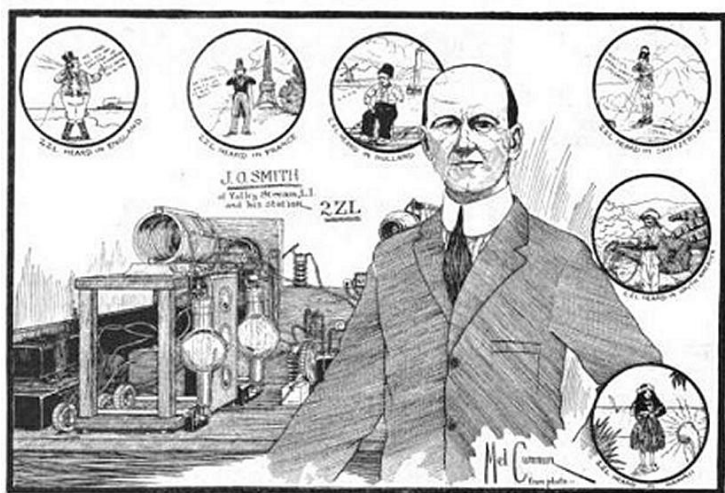
John, KD8MQ



In researching one of my “finds” from last summer, I happened on the following item in the January, 20 (That’s 1920) issue of QST. An article entitled “*With the Affiliated Clubs*” made for some interesting reading.

The idea of club affiliation was presented in the August, 1919 issue of QST, where an article entitled “Affiliating the Clubs” appeared on page 6. No byline is present, so perhaps we can assume the author was none other than T.O.M. (The Old Man), otherwise known as H. P. Maxim? The authors reasoning was that affiliated clubs could more efficiently relay traffic.

Meet J. O. Smith—2ZL



Those of You Who Haven't Heard 2ZL on the Air, at Least Know Who the Owner Is. Mr. J. O. Smith Has Done More Than His Share in Making Amateur Radio What It Is Today. He Is One of Our Grand and Glorious DXers. This Sketch Gives a Good Idea of What a Fine Transmitter He Has.

As of January, 1920, there were a whopping 10 clubs that were referred to as “Affiliated Societies of the ARRL”. J. O. Smith, 2ZL who was the traffic manager, summarized services that affiliated clubs could provide. Point 5 in particular is as true today as it was 100 years ago. Following is an excerpt from the column listing these points.

- “Control local QRM between the hours of 9 – 12PM so as to avoid interference, as far as possible, with the regular relay work of the league”
- “Cooperate with the district superintendents of the league for the local distribution & and collection of traffic[sic]. Each club should appoint one or two stations as distributing centers and all local traffic to or from the local trunk lines should pass through them. “
- “Educate the younger Element to obey the radio laws as follows:
 - Any amateur station that transmits and that can be heard by a licensed amateur station, is also required to have a license. The law is specific on this point.
 - Transmitting by spark stations with a plain aerial, that is, without an oscillation transformer in the circuit to tune the circuit and keep the decrement down, consequently, the wave sharp, is illegal” This particularly applies to spark-coil stations.”
 - “Intentional interference is the worst form of outlawry any station can resort to.”
- “Report all new licenses as fast as they are issued to the Secretary of the League”, at Hartford, giving name, address, and new call letters. “
- “The League & QST are not money making propositions for anybody. It is only desired that they be self-supporting. They are both handled by Amateurs, of Amateurs, for Amateurs. They both depend on the support of amateurs. United effort saved the amateurs when adverse legislation was introduced at Washington. One big thing local clubs can do is boost the league, and boost QST by making the membership and subscription list include every known amateur in North America. The stronger the league becomes, the greater protection it can give you against unfair legislation in the future. Boost the League! Two dollars a year a membership and QST. “

Excerpted from “With The Affiliated Clubs”, QST, January, 1920, pg. 13. Courtesy, ARRL.

Swap-N-Shop

For Sale: Yaesu FT-1000MP AC Version (No power supply required), excellent condition with operator manual, has extra crystal filters and roofing filter installed. \$800.00

Contact: George, K3GP at: 330-829-9504 evenings or weekends. [03/02/20]

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 [03/02/20]

For Sale: MorPower 5-kW continuous, 6,250 kW surge, gasoline generator. 19 years old. I'm getting too old for pull start, Bought new electric start. Generator runs good; I had to use starting fluid to start it. \$225. **You pick up in Brimfield.**

Contact: Rick, WA8TSI at 330-634-0396 [05/02/20]



For Sale: ICOM IC-7000 Transceiver, good condition, includes the following: HM-151 Hand Mic, Power Cable with Anderson Power Pole connectors, Heil Icom Pro Headset Adapter, USB CAT Control Cable, RTS Programming Software with USB Cable, MD-62 mounting bracket and hardware, MB-105 separation bracket, OPC-1443 separation cable, Original factory manual, Printed 4-1/4" x 5-1/2" manual (two), Nifty Mini-manual, MARS out of band transmit mod. \$700.00.

Contact: Rick, K8CAV at k8cav.coms@gmail.com or call 330-620-8826 [02/02/20]

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. \$5000.00

ALPHA 77SX/DX factory Peter W. Dahl transformer \$550.00 **YAESU FT-857D** radio is basically a new in box radio that was removed from the box to allow for the installation of the 2.3 KHz Collins SSB filter and the TCXO which allows for 0.5 ppm frequency accuracy. I also performed the MARS modification which allows for 1.8-30.0 MHz transmit. After the accessories were installed a MH-59A8J remote control microphone was connected to the radio to test operation and confirm the MARS modification was working as expected. The radio was programmed with the various frequencies I planned to use. Then the radio was returned to the original box. Since I had another FT-857 at the time I did not even touch the power cord. I will sell this radio along with the listed installed accessories and remote control microphone. Also included are the following; ATAS-120A auto tuning mobile antenna with a large 3 magnet MFJ mobile antenna mount, ADMS programming software & cable, Nifty Guide quick reference guide and custom printed spiral bound manual with plastic covers. About \$1500.00 invested selling for \$1100.00 cash only, No Trades. **Kenwood 4 PIN fused DC Power Cord \$15 ICOM 6 PIN fused DC Power Cord NEW \$20.00**

Contact: James - KD8VT - Call or Text to (330)-206-4909 [03/02/20]

For Sale: Yaesu FT-890 Transceiver, Yaesu YD-148 mic and Pyramid Power Supply - I think I paid \$700 - make me an offer. **Complete station - Heath SB-1400 Transceiver, Heath SBA-1400-4 Power Supply, Sure 444D Mic, MFJ Deluxe Versa Tuner II** - I paid \$400 - make me an offer. **A whole lot of other stuff to whoever wants it.** Downsizing to move to an Assisted Living with no ham access, so I need to sell or giveaway the above items - **MAKE ME AN OFFER !**

Contact: Rod, N4PKW - rodandmary10@gmail.com [03/02/20]

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 [02/02/20]

For Sale or Want Ad policy reminder: This is a PCARS *members only* benefit. Please don't ask to list items for a friend, relative or SK estate unless they are/were a member of PCARS. Requests come in from all over the USA (and beyond) to list items for sale or wanted items and we just cannot dedicate that much space to non-members. Listings are good for 3 months unless canceled or changed earlier. The date listed after the contact information tells you when the ad expires - example: [04/02/20] indicates the ad will run until April 2, 2020.



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Ham Radio - Germany 1933

Bruce Campbell



Radio and the Nazis

In the “Jazz Age” of the 1920s, people were fascinated with new technologies, including airplanes, motor vehicles and radios. Large industries grew from those fascinations, of course, but so did hobbies and groups of hobbyists.

In Germany – and other countries – radio hobby clubs thrived. Several hundred thousand Germans joined these groups, in part because commercial radios were very expensive, and clubs helped people build their own much more cheaply. Once built, they also tinkered with the radios’ insides, partly just because they could and partly to improve reception, particularly of foreign stations, which often offered more light entertainment than state-controlled German broadcasting. (The clubs also threw great parties.)

In 1933, the Nazis took power in Germany. They began a comprehensive and often violent process of remaking all of German society to serve the Nazi Party. Groups as diverse as choirs, political parties, sports clubs and chambers of commerce were shut down outright or taken over and purged of Jews, socialists, outspoken democrats and other people the Nazis deemed “undesirables.”



The groups that survived had to support the new regime. Radio hobbyists were particularly exposed because their skills involved building communications equipment.

The Nazis were especially interested in ham radio operators, who were part of a worldwide community of hobbyists who did much more than just listen to entertainment or news broadcast by others. They transmitted and received messages on their own. In Germany, people couldn’t buy ready-made radio transmitters and other technical equipment that were usable on the frequencies of interest to amateurs. Ham operators had to build their own equipment, which went far beyond the simple broadcast-band

receivers most hobbyists built. They also had to – as is still true today – pass a fairly complicated technical exam to earn a transmitting license.

This meant that hams, whether or not they were electrical engineers or other types of scientists by profession, accumulated a fairly high degree of scientific and technical knowledge in electrical engineering and radio-frequency reception and transmission. They also got a lot of practical experience in using radio equipment, which only professional radio operators could match.

Ham radio’s survival

Joseph Goebbels, the Nazi minister of propaganda and popular enlightenment, understood the power that radio could have, both to disseminate Nazi propaganda and to connect groups who were resisting the Nazi takeover. So he moved quickly to take control of not only commercial broadcast radio stations but also the radio clubs and their members. Those clubs that wanted only to passively listen to broadcast radio and tinker a little bit were shut down.

The hams, who wanted to transmit their own information, found themselves in a difficult position. The Nazis knew that German hams had a history of illegal transmission without licenses and were likely to have unsupervised radio contacts with foreigners, even those from the Soviet Union or France, Germany’s former enemy in World War I.

Though there were only a few thousand licensed German hams, their technical expertise was too valuable to the regime to be completely dismissed. In fact, German ham radio operators and their clubs found themselves with several powerful Nazi supporters – including in the German military – who protected them from being shut down as other hobby groups had been. The government even doubled the number of available ham transmission licenses.

Hams could continue their hobby, but only if they collaborated, at times in ways antithetical to the hobby's previous culture.

What the Nazis wanted from amateur radio

In the spring of 1933, as the Nazis consolidated power, Goebbels took control of the hams' national organization, called the "German Amateur Transmission and Reception Service," known by its German initials as the DASD. While ostensibly a private organization, it was forced to let the Propaganda Ministry choose its president, in consultation with the German military, and give the government veto power over other club leaders.

One of Goebbels's hopes was that German ham operators could use their connections with ham radio operators in other countries to spread Nazi propaganda around the world. That didn't prove very valuable: Most radio exchanges with foreign amateurs focused on purely technical information. In any case, the fact that many German hams could be heard on the airways was never taken by outsiders as proof of how wonderful life under national socialism was claimed to be. German hams never bothered to tell the Propaganda Ministry how silly this international propaganda idea actually was and dutifully reported large numbers of foreign contacts.

Rebuilding the German military

More importantly, though, German amateur radio hobbyists were a big boost for the Nazis' secret military rebuilding effort. The Treaty of Versailles, which had ended World War I, strictly limited how many people and weapons the German military could have. Adding – and communicating with – more units beyond the Versailles limits would require technically accomplished radiomen who understood shortwave radios and could send and receive Morse code at high speed. Amateur radio hobbyists fit the bill exactly, and were recruited directly into the armed forces, the intelligence services and the communications service of the diplomatic corps.

They also taught radio skills to active duty soldiers and future recruits, like the Hitler Youth and men preparing to join the German Navy. Having amateur radio hobbyists do the training let the German military avoid tipping off Britain, France, Belgium or the United States that Germany was rearming on a large scale. All the new radiomen on the air could be explained as just simple hobbyists.

The German ham radio organization, the DASD, provided other technical expertise too, such as identifying frequencies that might be useful for military communications. The SS Security Service even commissioned the DASD's main laboratory to design and build miniature radio transceivers spies could use to receive orders and report their findings.

The price of survival

To keep transmitting under the Third Reich, German ham operators faced a terrible moral quandary. Like all members of German society, they had to accept close scrutiny from security forces. But to keep operating their radios, German hams had to participate actively in the Nazi regime, driving Jews and anti-Nazis from their hobbyist ranks and collaborating closely with authorities, including the SS and intelligence services.

In retrospect, the DASD's relationship with the Nazis was too close. But it is in the nature of dictatorship not to allow people to stand on the sidelines. Ham operators who considered resisting the Nazis faced a special challenge: Unlike dance groups or musicians, radio technicians had strategic skills and therefore were more likely to be sought out and compelled to help the regime. Refusal might mean loss of economic opportunity at best, arrest, concentration camp or even execution at worst. The potential consequences were clear.

Faced with the choice of flight, open resistance or collaboration, most chose collaboration, particularly because this allowed them to continue their cherished hobby. The problem is, in the Third Reich, there was no such thing as a little complicity. It is a sad irony that even hobby clubs, one of the pillars of civil society, were used by the Nazis to cement their dictatorship.



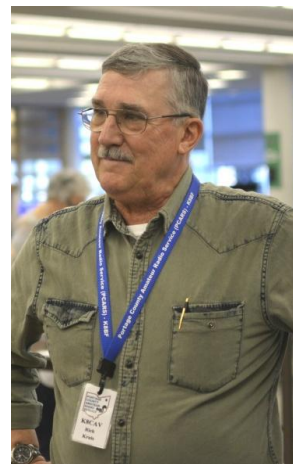
Bruce Campbell - Associate Professor of German Studies, College of William & Mary is a licensed ham radio operator and member of the American Radio Relay League (ARRL), though he does not speak for that organization in any way.

<https://theconversation.com/nazis-pressed-ham-radio-hobbyists-to-serve-the-third-reich-but-surviving-came-at-a-price-90510> Republish for free, online or in print, under Creative Commons license.

Portage County Coms Unit Update

Rick, K8CAV

Portage County Coms Unit Commander



The Communications Unit, also known as the Coms Unit is an official unit of the Portage County Office of Homeland Security/Emergency Management. Its sworn members are amateur radio operators that work with the county's public safety radio systems and when necessary, amateur radio systems to support the County EMA, and County First Responders as necessary. Additionally, Coms Unit members are trained and work proficiently in the Incident Command System environment that all organizations use when responding to incidents and events.



Communications Unit

In order to achieve and maintain the level of proficiency required to accomplish the communications mission, training at both the individual level and the organizational level is required. Moreover, it must be accomplished on a regular basis so the skills learned don't deteriorate. This task is made somewhat more difficult because Coms Unit members are volunteers, and not paid, forty hour per week persons. With good planning and dedicated volunteers this is very effectively accomplished by the Coms Unit.

In 2019, Coms Unit members provided 681 person-hours of participation in training and events. The three main areas of participation are highlighted below.

- Biweekly training nets are conducted on local Amateur Radio repeaters. The nets last a total of one hour, with subjects most suitably taught in lecture format over a radio circuit. In 2019 we had 219 person-hours of participation
- Monthly training meetings are conducted at the EOC. Training lasts two hours, and includes lectures, hands-on, and table-top exercises. In 2019 we had 171 person-hours of participation
- Field Training Exercises are scheduled events that train in collective/unit level tasks, as opposed to individual level tasks. In some cases these exercises are specific only to the Coms Unit, in others they are in conjunction with outside organizations. In 2019 we had 291 person-hours of participation

As mentioned before, none of this could have happen without dedicated members participating in the Coms Unit. I want to recognize the following Amateur Radio Operators for their dedication and expertise that makes the Coms Unit an effective organization. **Bob N8KBX, Mike KB8TUY, Mike KD8FLZ, Sandy KD8JCY, Steve K8SRR, Bob KZ8RLD, Greg KA8TOA, Andrew KE8BWA, Eddie KD8SOP, Ian KE8IED, Paul KE8EGF, and Ron W8AHC.**



From the ARRL Ohio Section Manager



Hey Gang...

Scott, N8SY
ARRL Ohio Section Manager



Wow.. This past month has been full of webinars, conference calls and even a really cool wedding. All in all, it was a busy month with lots going on. But it was great!

It seems that there's now a lot of rumors and speculation going around about why the ARRL Board let the CEO go. Don't always believe everything that those folks write. Most of them are like the folks at the National Inquirer, they'd have you believing that he came from Mars if they could. Some put their trash out there knowing that it is just that, trash. So, with that said, let's wait for the ARRL Board of Directors meeting minutes to come out and get the real lowdown on what's going on.

Ok, moving on to the saga of the moving furniture... It's still moving around. It seems that my shack has been the latest victim. My wife decided that the small couch in my shack would fit perfectly in our downstairs den. She surmised that since I don't get a lot of visitors in my shack, the couch in there must have been used very little and in "almost new" condition. So, the shack is now missing a couch and I've gotten a bookcase sitting in its place. Wow, what a trade that was! Well, it did open up some space in the room that I can now use to display all of my books. And, this does have some benefits. I discovered this week that my ARRL Handbook dates back to 2014! So, even though a number of you haven't won the Handbook that I give away every month, please be aware, I don't have a new one either! Well, since I'm not eligible to win one, I'm going to have to buy one for myself!

Let's change the channel... Please, if you haven't renewed or joined ARRL, maybe now is the time. Hey, there's a ton of benefits to belonging to the ARRL. Insurance is one of the biggest. There's nowhere else that you can go to get insurance as inexpensively as the ARRL for your equipment that also includes your antennas as well! This is just one benefit, how's about having the ARRL renew your license for another. Yes, you can simply have the ARRL renew your license when it comes due. No muss, no fuss. Then there are all of the ARRL awards that you are eligible for. Hey, membership to ARRL is less than \$1 per week. I think that's doable for most everyone. Like I always say, if you just cut out one McDonald's coffee per week, you've got your membership paid for, AND... you'll get \$3 back to boot!! Now, what a deal that is.

Oh, I will also add, ARRL does have a **90-day FREE** trial offer, if you are still not sure if this is something that you would enjoy. What have you got to lose? It's FREE. Oh, don't forget that if your YL is a ham you'll want to get her a family membership as well.

Whelp, final go around before gong QRT... That's going to do it for this week. Stay safe, enjoy the sunshine when we have it, and most of all... have FUN and get on the air!!



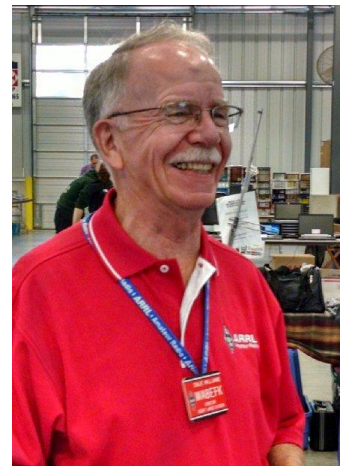
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From the Great Lakes Division Director



Dale, WA8EFK
ARRL Great Lakes Division Director



Greetings, welcome to "Dale's Tales"

Well, here we go, off to a brand new year. Without doubt some interesting and exciting things will come to Amateur Radio. New equipment, advancing technologies, more products and features in a single package will arrive this year. (Who would have expected the arrival of a NANO-VNA vector network analyzer for \$50 to appear in 2019? See the review in QEX magazine for January).

Your League is looking at preparing a different version of a proposal to offer some antenna installation relief to those living in areas where antennas are restricted by Homeowners' Associations. ARRL Continues to support changes to FCC rules regarding symbol rates for digital communications, changing some band plans to limit Automatically Controlled Data Stations to certain sub-bands. Both issues have associated consequences and your Board of Directors continues to work within its several committees to reach satisfactory conclusions in each situation. Both topics are scheduled to be discussed at the January Board meeting.

So let me ask you a serious question: Are you going to be an Ambassador for Amateur Radio in 2020? Opportunities await as we enter this year. As a leader in this hobby - and you are if you are an ARRL Member - we all must be prepared to tell others about ham radio, how we serve our communities, how we enjoy DX, how we enjoy contesting, Fox Hunting, construction projects, VHF/UHF operation, satellite operating and (insert your favorite facet here).

Each of us bears the responsibility to do what we can to insure the future of Amateur Radio. By keeping our friends and neighbors aware of what we do and keeping our community leaders apprised of the service ham radio provides, we are able to secure the niche that ham radio has. ARRL Headquarters staff cannot do it alone, each of us needs to "sell" our individual part of ham radio to those we know. Let's not keep ham radio a secret. Tell the world about us. Together, we can insure a bright future for both us and those that follow.

OUR GREAT LAKES DIVISION web page does carry news from some of the recent events in the Division, useful links and information as well as some neat photos supplied from around the Division. Check it out: <http://arrrl-greatlakes.org/>

Be sure to check your ARRL Section's news pages for the latest local happenings, club and net information.



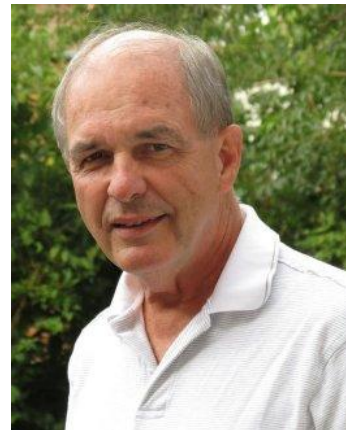
PCARS K8BF
The Club that puts the FUN in Ham Radio!



From the Great Lakes Division Vice Director



Tom, W8WTD
ARRL Great Lakes Division Vice Director



Greetings and Happy New Year! Some people like to take this time to reflect on the past year. I prefer to look forward. For instance, this year we have our Great Lakes Division Convention. And it will be here soon. The dates are March 14 and 15th in Toledo, Ohio. Hope you'll make plans now to attend.

A lot of planning has gone into this event. There are lots of forums on all sorts of topics, so if you want to learn more about a particular aspect of ham radio, you should find what you want. Plus, the hamfest and flea market on Sunday is worth attending. The website is now active: www.toledoglc.org.

No matter where you live in the three states of the Division, you should consider coming to Toledo this spring. It's a way to meet other hams from the Division, share what you know, and find out new things in ham radio. I hope to see you there.

On another topic, we hear lots of discussion about the future of ham radio. A lot of us are concerned, and ARRL is responding with a new magazine (On the Air) and other initiatives. And many are doing what they can in their local communities. Another round of introductory classes will be held in many places around the three states. Thank you to all the volunteers.

Here is a question for new hams. Have I gotten on the air recently? And for those licensed for a while—what can I do to help someone enjoy ham radio? For the new person, it may mean just overcoming mike fright and actually trying to get on. Or, perhaps reaching out to someone from the club to ask that question about the antenna you need.

For seasoned hams, maybe you can welcome someone to the local repeater or wherever else you hang out. Perhaps you can find an article to share about antenna building, or better still, show someone how it's done.

Ham radio can continue and will grow, depending on our efforts. Resolve to do something today.



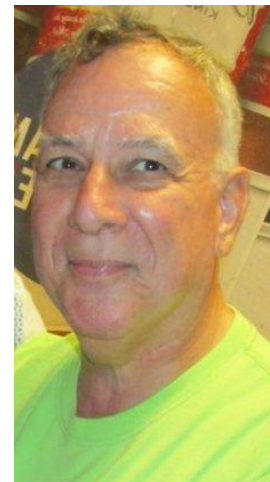
PCARS K8BF

The Club that puts the FUN in Ham Radio!



EchoLink to the UK

Rick, KD8WCK



I was working on the computer and monitoring .895 on the 27th and ended up with a half-hour-plus long QSO on Echolink with **M3FGR** Dave, located 80 miles west of London, England.

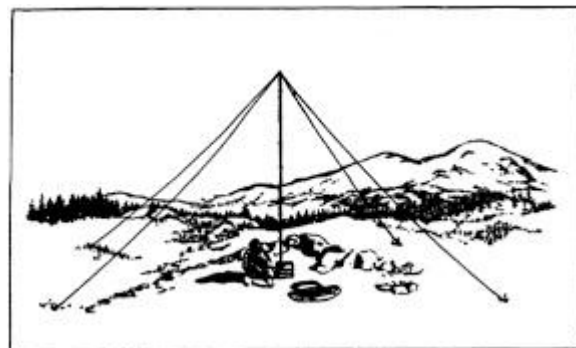
Dave explained that the M3 prefix indicates Foundation Class license, something that we had been talking about recently at the last club meeting. Dave has set up Echolink recently on a laptop for a friend who is in a nursing home that will not allow any radios, and that ham is now able to continue enjoying at least some aspects of the hobby and keep in contact with friends on local repeaters. Dave also enjoys SSTV on HF, and QRP in general with his 10 watt license limit. He is looking forward to improved band conditions!

He asked me to pass along a note to let us all know that someone in the UK very much appreciates the time trouble and expense that is taken to maintain the K8IV repeater and the K8SRR Echolink node that's available for licensed amateurs to use and enjoy. We may hear him some time on the Thursday Night Net if the time difference isn't too much of a problem.

NVIS Day is Coming

Is your station ready to establish and maintain high-reliability communication with other stations around Ohio when repeaters, phone, and internet service are impaired?

When infrastructure just isn't there, HF radio using Near-Vertical Incidence Skywave (NVIS) propagation offers the ability to stay in contact on frequencies of 2–30 MHz for distances of about 30–400 miles.



NVIS Day is the ARRL Ohio Section event to test your NVIS antenna designs. Join us on **Saturday, April 25th** to show how well amateur radio can keep Ohio communicating!

This is not a contest: it's an event for Ohio stations to operate with other Ohio stations and understand how well they hear and are heard.

THE DETAILS - Date: Saturday, April 25 Time: Start at 10 A.M., end at 4 P.M. Power: Up to but no more than 100w Exchange: six-digit grid, power, and true—measured—signal report Schedule: This isn't a contest, so take your time! Try different designs! Have lunch!

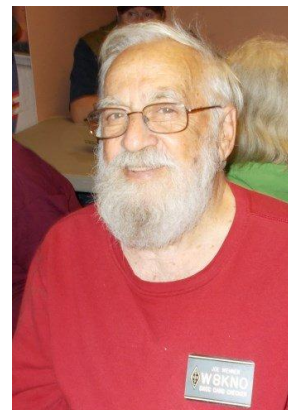
We've just gotta' thank Jason McCormick N8EI for setting up a website with the complete rules, scoring and who's operating. <https://ohsimplex.org/#rules>

Paper Chase - Speedweeks 2020



Daytona Beach CERT ART Special Event Station N4DAB

Joe, W8KNO



62nd Annual Daytona 500 – Speedweeks 2020 –

February 12 – Feb 16, 2020

Daytona Beach CERT Amateur Radio Team, N4DAB, Daytona Beach, FL.

QSL card and Commemorative Certificate available. QSL Card: Your card with a SASE for direct, or via the bureau. Certificate information will be published on this web page and www.qrz.com as costs and permissions (logos) are confirmed.

QSL DETAILS

We will send requested QSL cards and Certificates out as soon as possible after the event. We have available:

- A high quality color QSL card via USPO mail
- A high quality color printed certificate via USPO mail

The cost for printing the cards comes from your donations and the rest from out of our own pockets. We are NOT financially supported by the Speedway or the City of Daytona Beach.

Donations can be made in cash, check, or PayPal. We appreciate any donation, no matter how big or small!



USA STATIONS

- **For a printed QSL card ONLY:** Please send your QSL card with a Self-Addressed, Stamped Envelope, (SASE). We request a #10 Standard Business Envelope with sufficient first class postage (US Forever Stamp). There is no cost for this card. BUT.....**NO SASE, NO CARD – NO EXCEPTIONS!**
- **For a printed, USPS mailed certificate with a QSL Card**
- Send your QSL card with US \$5 cash or check (checks made payable to “Steve Szabo WB4OMM”) at this address:

Daytona Beach CERT Amateur Radio Team
c/o Steve Szabo WB4OMM, Trustee
536 Central Park Blvd
Port Orange, FL 32127-1136

- Or if you want to send the request/funds via PayPal.....Send \$5.00 via PayPal to sszabo1@cfl.rr.com with your Call and QSO data in the comments section. Please make sure you note the transfer as a gift, not services or products – We are not a business! Additional donations are welcome to defray the costs of running the event.

The \$5 covers the following costs:

- Custom LASER printed color commemorative certificate on heavy card stock
- A full color commemorative QSL Card
- Cardboard stiffener
- Large 9×12 Envelope
- First Class Postage within the US

Please email Steve WB4OMM if you have any questions: n4dab@n4dab.com



DAYTONA BEACH CERT AMATEUR RADIO TEAM

On the Air Magazine

ARRL Emergency Preparedness Assistant
Sabrina Jackson, KC1JMW,
is featured on the cover of
the premiere issue
of *On the Air* magazine.



ARRL's New *On the Air* Magazine on its Way to Members

The premiere issue of ARRL's *On the Air* magazine has left the printer and is on its way to member subscribers. The magazine should be in mailboxes within the next 10 days.

On the Air is the newest ARRL member benefit to help new licensees and beginner-to-intermediate radio communicators navigate the world of amateur radio. Eligible US-based members can elect to receive *On the Air* or *QST* magazine in print when they join or when they renew their ARRL membership.

Delivered six times a year, the magazine will present articles and tips on selecting equipment, building projects, and getting involved in emergency communication. *On the Air* will also spotlight the experiences of those involved in public service communication and casual operating.

All members will be able to access digital editions of *On the Air* magazine. The first digital issue of *On the Air* will be available beginning January 14th, supported by a new version of ARRL's digital magazine app. With one app, members will be able to access *On the Air* and *QST*.

New Canadian Section

The number of Sections needed for a clean sweep in the ARRL November Sweepstakes (SS) will rise to 84 in 2020, with the addition of a new Prince Edward Island (PE) Section. Radio Amateurs of Canada (RAC) has announced that the new Section will become effective on April 1.

Prince Edward Island has been in the Maritimes (MAR) Section. RAC said its Prince Edward Island members have been working for some time to create a separate Section for RAC ARES activities there. The provinces of Nova Scotia and New Brunswick will remain in the Maritimes Section.



In addition to Field Day and Sweepstakes, the new Section in Canada will affect the ARRL 160-Meter Contest but *not* the ARRL 10-Meter Contest, which uses individual states/provinces for US and Canadian multipliers. The change will mean that logging software developers will have to update their software to include the PE Section as a valid exchange element for any affected operating events.

RAC also announced an adjustment in two of its Ontario Sections. Effective April 1, radio amateurs in the City of Hamilton and in the Regional Municipality of Niagara will shift to the Greater Toronto Area (GTA) Section from the Ontario South (ONS) Section.

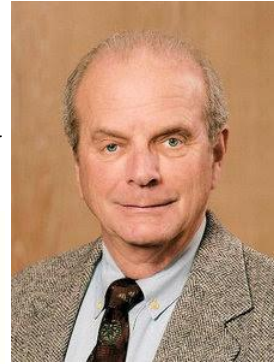


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Volunteer Monitor Program

Riley Hollingsworth, K4ZDH



Volunteer Monitor Program Coordinator Looks Forward to a Positive 2020

In a holiday season message to ARRL leadership and to members of the new ARRL Volunteer Monitor (VM) program, its coordinator, Riley Hollingsworth, K4ZDH, expressed his gratitude to all involved for their contributions to getting the program off to a solid start in January.

"It will be a good year," Hollingsworth said. "We will have fun, you will enjoy it more than you probably think, and -- thanks to the talent and generosity of one of our VMs -- a computer program will make your reporting *much* easier (there will be no need for bi-monthly reports!)," he wrote. "This is our opportunity to help amateur radio last another hundred years and to pay forward this wonderful avocation that joyfully occupies our lives. This could be our legacy if we do it with all the energy and devotion that characterized the Official Observer (OO) program for decades."

Hollingsworth said the success of the OO program convinced the FCC to trust ARRL with the responsibilities now to be taken up by the Volunteer Monitor program. "Those of you who are former OOs have an extra reason to be proud, and amateur radio is grateful to you more than you will ever know," Hollingsworth concluded. "Thank you. It will be a privilege to work with you this new year."

Approved by the ARRL Board of Directors in 2018, the Volunteer Monitor program supplants the venerable OO program. The VM program represents a formal agreement between the FCC and ARRL in which volunteers trained and vetted by ARRL will monitor the airwaves and collect evidence that can be used to correct misconduct. The program also will recognize exemplary on-air operation, something not done during the OO program. Cases of flagrant violations will be referred to the FCC by ARRL for action in accordance with FCC guidelines.

The FCC proposed the new program in the wake of several FCC regional office closures and a reduction in field staff. It will give enforcement priority to cases developed by the Volunteer Monitor program without ARRL's having to refer cases through the FCC online complaint process.

Fun with State QSO Parties

A number of QSO parties occur the weekend of February 1, including [Vermont](#), [Minnesota](#), and [British Columbia](#).

The BCQP website includes a [helpful schedule of potentially overlapping contests](#) so that participants can provide appropriate exchanges for those. That seems like a considerate thing to do, perhaps it will be adopted as a practice by other QSO parties.

If you participate in one of these contests, report your score via [3830scores.com](#) to participate in the new [State QSO Party Challenge](#).



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 - 4th Thursday is NET NIGHT at the Club Site !!

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.



February	
6	K8YLK
13	N8QE
20	WB8LCD
27	K8IV

March	
5	WB2DFC
12	KE8BWA
19	WB8LCD
26	AC8NT

April	
2	
9	KD8WCK
16	
23	
30	

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: grgory999@roadrunner.com everyone who is a club member is welcome to have a turn - and have fun being the PCARS Thursday Night Net Control !

I would like to thank Rick, KD8WCK for joining the net operator team; I am still looking for another operator to help us out. Please be kind to them. Josh has been doing a great job along with the rest of us.

And - don't forget - when you check in to the PCARS net 10 consecutive weeks - you are eligible for a Certificate - suitable for framing. But you have to make it 10 week in a row. Miss one, and you start over again. When you get those 10 check ins, contact me so I can check the logs and get the certificate made up for you.

Hamvention® Tickets On Sale



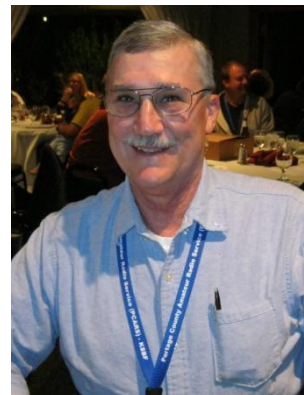
Online orders for [Dayton Hamvention®](#) 2020 tickets, inside exhibit spaces, and flea market spots can now be placed online. Those who ordered online in 2019 should have their user IDs and passwords available when placing orders. Hamvention's all-volunteer staff will work as quickly as possible to respond to orders.

If you encounter difficulties, email the appropriate committee: [Tickets](#), [Inside Exhibits](#), or [Flea Market](#). Hamvention announced in December that it would be increasing the cost of admission and its booth fees. General admission is now \$26 in advance or \$31 at the gate for all 3 days. The cost of flea market spots has risen by \$5 per space, and inside exhibitors will pay \$30.

Hamvention 2020 takes place May 15 - 17 at the Greene County Fairgrounds and Exhibition Center, 210 Fairground Road, Xenia, Ohio.

Field Day - Flex Station

Rick, K8CAV Field Day Flex Station Captain



PCARS 2020 Field Day is about 21 weeks away, a “lifetime” given that it’s mid-winter right now. But time has a tendency to fly and before you know it June will be fast upon us and Field day within view. The good thing is the operator schedule for the Flex Station is already two thirds way full! The challenge is to get enough volunteers to commit so that Flex will have a full complement of operators for Field Day. It’s not too early to check your calendars for times you can fill to operate at Flex.

Unlike our other three HF stations who operate on only one mode and/or band, the Flex Station, subject to a few limitations is band and mode agile. Let’s talk about the limitations first. PCARS has two phone stations in our class, one on 40 meters and one on 20 meters. The rules only allow one station in a given mode on a given band to operate at the same time so the Flex Station can’t operate on either of these bands in phone. The CW station operates in multiple bands, and CW and digital are considered separate modes. Due to their proximity in the CW/digital sub-band, interference issues are such that the CW and Flex Stations limit operations on the same band at the same time. Outside of those limitations the Flex Station is free to operate on HF bands and modes available for Field Day. Given conditions at this point during the current sun spot cycle it makes sense to concentrate efforts on 80m, 40m, and 20m, scheduling bands and modes appropriate to the time of day, while not ignoring 15m or 10m for openings.

I would like to see the Flex Station increase the number of QSO’s this year, especially using the digital modes. With that in mind, below are some of the tactics I want to employ to accomplish this.

- Conduct training in digital operations before Field Day at the PCARS club site. Emphasis will be using FT8 in the Field Day mode and fldigi PSK-31 or RTTY using Field Day macros. If possible we will perform on-the-air training.
- Conduct training in the N3FJP logging software before Field Day at the PCARS club site
- Maximize the use of “hold/run the frequency” versus “hunt and pounce”
- Monitor 10m and 15m for openings and when they occur operate on that band(s)

Check out the Flex Station schedule shown here and if you can operate in one of the open slots, drop me an e-mail at k8cav.coms@gmail.com to let me know.!

DAY	TIME	MODE	OPERATOR	LOGGER
SAT 27 JUN	14:00 - 16:00	40M FT8 DIGITAL	Jim AC8NT / Rick K8CAV	
SAT 27 JUN	16:00 - 18:00	20M DIGITAL		
SAT 27 JUN	18:00 - 20:00	20M DIGITAL		
SAT 27 JUN	20:00 - 23:00	80M CW	Terry KB8AMZ	
SAT 27 JUN	23:00 - 00:00	80M DIGITAL		
SUN 28 JUN	00:00 - 02:00	80M PHONE	Deron N8XTH	Self-Logging
SUN 28 JUN	02:00 - 04:00	80M PHONE	Deron N8XTH	Self-Logging
SUN 28 JUN	04:00 - 06:00	80M DIGITAL	Rick KD8WCK / Mara KE8KBJ	
SUN 28 JUN	06:00 - 08:00	80M DIGITAL	Andrew KE8BWA	
SUN 28 JUN	08:00 - 10:00	20M DIGITAL	Gene W8NET / John KE8MXR	
SUN 28 JUN	10:00 - 12:00	40M DIGITAL	Mike N8WCP	
SUN 28 JUN	12:00 - 14:00	40M DIGITAL		

FLEX to coordinate with CW to insure that both are not on the same band at the same time.

Field Day - 20 Meter Station

Tom, WB8LCD

Field Day 20 Meter Station Captain



I am currently setting up my schedule of operators for the 20 Meter Field Day station. If you are interested, please drop me a note (tomsly29@gmail.com) and let me know when you would like to be scheduled. I'll try to accommodate all requests or send you an alternative if the spot you want is already taken. If you are willing to be a logger we can use your help there too! It's always easier to keep the run rates high with someone handling the data entry in the logging software.

Once we get the schedule filled in we will have a "get together" to review station operation and strategy prior to Field Day. Our most important mission is to have someone in the chair and operating for the full length of the contest. Even in the slow time in the middle of the night. It's a little tougher, but the Q's are still out there if our station is on the air.

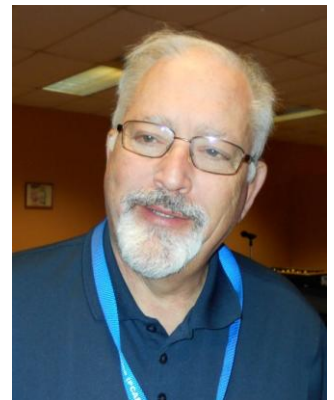
The physical station will be the same as last year: K3-S into a mono-band 20 meter Yagi. Two subtle upgrades will be better station grounding and I am adding the digital voice recorder to the radio. I'll have it loaded up with a CQ Field Day message so operators can save their voices for the contact, especially in the night-time.

The 20 Meter station is one of the spots where we can improve our results dramatically enough to help put K8BF over the top!

Field Day - CW Station

George, K3GP

Field CW Station Captain



CW OPERATORS NEEDED FOR FIELD DAY

Field day will soon be upon us (June 27 - 28) - and we are once again looking for operators for the CW station.

We are developing an operator schedule and depending on the number of volunteers we anticipate either 3 or 4 hour shifts.

The PCARS CW position will be situated in a comfortable utility trailer out of the sun and rain. If you are interested, send an email to me at rttyfan@gmail.com



Win a Yaesu FT-450D

John, KD8MQ



The **Alliance Amateur Radio Club's** 2020 fundraiser will be the raffle of a New Yaesu FT-450D. Money raised from the raffle will go towards our public service projects in the tri-county area.

Winner need not be present to win. The winning ticket will be drawn at our Pre-Field Day Picnic on June 10th, 2020.

Tickets can be purchased in person at any of the Alliance ARCs meetings, or events. We'll also have a table at the following hamfests this year:

- **Tusco (Jan 26th)**
- **Mansfield (Feb 16th)**
- **NOARS Winter Hamfest (March 1st)**
- **Cuyahoga Falls (April 11th)**
- **Dayton Hamvention® (May 15th – 17th)**



Tickets can also be purchased online at w8lky.org (Mailing & Paypal fees added to all online orders).

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 K8BF
The Club that puts the FUN in Ham Radio!



Contest University 2020

Tim, K3LR
Contest University Chairman



I am proud to announce that student registration is now open for the **2020 Dayton ConTest University ("CTU")** to be held all day on Thursday May 14, 2020 at the Crowne Plaza in Dayton, Ohio.
<http://contestuniversity.com> This is the day before Hamvention opens in Xenia, Ohio.

Thu, May 14, 2020
Crowne Plaza Hotel
Dayton, Ohio USA

Registration opened on December 16, 2019 and already 50 testers have signed up! Last year (2019 was a sell out with 350 attending).

Eight different countries have hosted CTUs over the past thirteen years. USA, Australia, Russia, Germany, Italy, England, Brazil and Finland. Over 8500 students have attended these CTUs with more than 100 CTU Professors sharing their contesting experiences. 2020 will be the 14th year in a row for CTU Dayton. To give you an idea of the quality of the CTU content and activities you can see videos and PDFs from past CTUs on the CTU web site.

The 2020 CTU Professor line up will be posted on the CTU website very soon. Thanks to our returning professors NC0B, W0YK, K3LR, W3LPL, N6TV, W3YQ, N0AX and K1DG. You will notice additional NEW professors for 2020 once the posting is complete and posted. CTU professor stalwart Frank, W3LPL is back for CTU 2020 after his sabbatical in 2019. Frank has taught many many sessions at CTU over the past 13 years. The 2020 CTU Dayton course outline will be posted soon. Check the CTU website for updates. Each presentation is carefully prepared with up to date information.

There are scholarships (registration fee paid) available for CTU through a grant from the Northern California DX Foundation (NCDXF) for those students 25 years old and younger. Please use the "contact us" button on the CTU website to get more information. 2020 Student registration information is on the CTU web site
<http://contestuniversity.com>

Important - as we did last year - if you want to sign up for CTU 2020 Dayton and you have given (or will give one by Hamvention 2020) a talk about Amateur Radio to any club, Hamfest or group since May 14, 2019 - you qualify for a \$10.00 registration fee discount.

Please choose the "Registration with Club talk discount" option to get the \$10.00 discount. Spreading the word about amateur radio is lots of fun and can save you money at CTU!

Contest University

Thanks to all of the CTU sponsors including Icom America, DX Engineering, the Northern California DX Foundation, YASME, the Radio Club of America and CQ Magazine for making CTU possible. Thanks to K8MNJ and K1SO for all of their help with CTU. Special thanks to Scott, KA9FOX from QTH.com for hosting and constructing the CTU headquarters web site.

ARRL Expands Online Discussion Groups



From the ARRL

ARRL's Committee on Communication with Members has launched three new online discussion forums as part of its ongoing efforts to enhance and improve communication between ARRL leadership and members or prospective members. The new forums, which focus on antenna law, regulatory issues, and support for new amateur radio licensees, will go live on Thursday, January 30, at 0400 UTC.

The committee launched the three new discussion groups on the basis of requests from the amateur radio community, to support ARRL's efforts to provide more resources for beginner-to-intermediate operators. The online discussion program launched last fall with three forums -- contesting, awards, and the International Amateur Radio Union ([IARU](#)) -- all open to the amateur radio community. The program was based on the success of the online ARRL-LoTW Group, which, for the past several years, has served to answer questions and generate discussions about ways to improve the service.

- ARRL New England Division Director and attorney Fred Hopengarten, K1VR, will moderate the [Antenna Law and Policy Forum](#). Hopengarten is the author of *Antenna Zoning for the Radio Amateur*.
- ARRL Regulatory Affairs Manager Dan Henderson, N1ND, will moderate the [Regulatory Affairs](#) forum.
- QST Editor and ARRL Publications Manager Steve Ford, WB8IMY, will moderate the [New Hams](#) forum.

ARRL IT Manager Michael Keane, K1MK, worked with **Groups.io** to set up the new groups. Those wishing to subscribe must use a **Groups.io** username and password, if they have one, or create a **Groups.io** account if they don't.

The new groups join an ARRL discussion forum lineup that already includes:

- [ARRL-Contesting](#), moderated by ARRL Contest Advisory Committee Chairman Dennis Egan, W1UE.
- [ARRL-Awards](#), moderated by ARRL Radiosport and Field Services Manager Bart Jahnke, W9JJ.
- [ARRL-IARU](#), moderated by IARU Secretary David Sumner, K1ZZ.
- [ARRL-LoTW](#), moderated by ARRL IT Manager Michael Keane, K1MK.

Everyone who subscribes to an ARRL Group is automatically subscribed to "ARRL Groups," an administrative feature that allows ARRL to convey routine announcements to subscribers of all ARRL groups, such as planned system outages.

ARRL expects to create additional online groups that focus on other areas of interest to radio amateurs, including ARRL activities, services, initiatives, and policies.

ARRL currently hosts some "members-only" online forums that include the topics of Awards and Contesting. While these forums will continue to operate, participants are being encouraged to post new topics in the new groups.



All questions will be welcome, no matter how many times they have already been asked and answered, or how obvious the answers might be. Neither personal attacks nor foul language will be tolerated. Violators will immediately be placed on "moderated" status, meaning their subsequent posts will require Moderator approval. Civility and courtesy are expected, even when disagreeing.

The Committee believes that providing more opportunities for two-way discussion between the organization's leaders and the entire ham radio community will assist ARRL in truly serving the needs of this community. -- *Thanks to ARRL Communications Manager Dave Isgur, N1RSN*

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Charlie the Tuner's HF High-Lites

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



Greetings to all DXers:

My goodness! January 2020 is already history. Where in the world does the time go? I hope that you had a great January. The WX has been cooperating for those of us who have some antenna work to do. We've had our cold, snowy days but we have also had temps in the 40's, so that's not bad at all. The local WX forecasters (or false prophets as I call them) have mentioned that we get 75% of our snow in Northeastern Ohio, in January and February. We got by January with a tolerable amount. Let's hope that February proves them wrong.

On the bands it has been feast or famine. Normally, the bands have been quite. Even 20 and 40 meters have not been doing much lately. But then you look at the latest 160m contest and you scratch your head. Some of the scores showed that individual ops had over 1000 contacts. In anyone's book, that is just a fantastic showing given the general propagation. So let's see what we can look for, if we are lucky and patient, on the bands for the next few months.

As always thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, the AB5K's AR Cluster Networks, ARRL Web Page, NJ1Q & W1AW, AA3B, NG3K & ADXO, NY3B, W3UR & The Daily DX, K5GS, AA7A, K8BL, K8GI, K8YSE, W8GEX & 60m DX News, W9ILY, DL1SBF, DL7UXG & The DX News Letter, DxCoffee.com, DXNews.com, DX-World.Net, F5NQL, F6AJA & Les Nouvelles DX, I1HYW, I1JQJ/IK1ADH & 425 DX News, OH2BH, Pete Rayer & ISWL, 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.

Just in case some of you missed this announcement:

SILENT KEY. It has been reported that Wayne M. McKenzie, K8LEE, age 77, became a Silent Key January 16, 2020 from a rare type of blood cancer. He was an amateur Radio enthusiast since the age of 12. He had been on several DXpeditions including CY9C several times. In his last days he was still actively working 6M meteor scatter. He was an SSIDXG member and helped build antennas for VP8SSI and 3Y0PI. He was a DXer, VHFer and contester. He set some VHF contest records in the 1970s and 1980s. His 6M beams were impressive, says WA4JQS. Some of the DX calls he had been on the air with: CY0AA, K8LEE/CY0, VP2MLE, VP2DX, C6DX, 5H3US, K8LEE/5H3, TI2AA, TI2A, J6DX, J8DX, 40YDX, 4N6EE, TX5C, PJ2/K8LEE, PJ2T, W1AW/8, HI2DX, W1AW/9, TI5/K8L33 and CY9C (2016).

January... and continuing past January

4A1, MEXICO (Special Event). The members of the The DXXE Group, throughout the 2020 year, will celebrate its 15th anniversary with the activation of the special callsign 4A15DXXE, from January 20th, until December 31st. Activity will be on all bands and modes especially in contests, special events, via satellite and EME from different Grid Locators in Mexico. QSL via LoTW only. ADDED NOTES: Over the coming months, look for other special events stations to celebrate this anniversary from Cuba, Spain, the Canary Islands, France and South America: From Spain, Salva/EA5BB will be on the air between April 1-15th, as AO15DXXE and on the same days, from the Canary Islands (AF-004), Juan/EA8RM will sign AO15DXXE/8. - From France, Thierry/F4GVO will operate as TM15DXXE, between April 1-15th, and will be on SSB, FT4, FT8, from 80-6 meters.

C5, THE GAMBIA. Russell, G5XW, will be active as C5XW from The Gambia starting January 28, 2020, for 10 days. Activity will be holiday style on 40-17 meters using SSB and possibly CW. QSL via his home callsign, direct or by the RSGB Bureau.

HU1, EL SALVADOR (Update). Operators Andreas/DH8WR, Werner/DJ9KH, Frank/DL1KWK, Dietmar/DL2HWA, Bert/DL2RNS, Georg/DL4SVA, Olaf/DL7JOM, Rolf/DL7VEE and Franz/DL9GFB will be active as HU1DL from El Salvador between January 30th and February 13th. Activity will be on 160-10 meters using CW, SSB, RTTY and FT8. QSL via ClubLog's OQRS (direct and Bureau).

VE8, CANADA. Garth, VE8NSD, member of the North Country DX Association (NCDXA), active as VE8RST from Hay River, Northwest Territories (NT) between Jan 1st and Feb 28th. Activity on various HF bands. QSL via K7ICE.

VK9N, NORFOLK ISLAND (Update). Janusz, SP9FIH, will be active as VK9NK from Norfolk Island (OC-005) between Jan 12th and April 12th. He states, "It is my tribute to Jim Smith, VK9NS, who lived and operated from there for years. According to last internet poll VK9N is 85th most wanted entity." Activity will be on 160-10 meters using SSB, RTTY and FT8. Suggested frequencies are: SSB - 7095, 14195, 18140, 21195, 24940 and 28420 kHz RTTY - 1845, 3569, 7045, 10145, 14095, 18095, 21095, 24920 and 28095 kHz FT8 (F/H) - 1845 (1908 JA), 3569, 7045, 10145, 14095, 18095, 21095, 24920 and 28095 kHz. Equipment will be an IC-7200 and Expert 1.3K-FA into a Spiderbeam and verticals. QSL via SP9FIH or ClubLog's OQRS.

February...

4K6, AZERBAIJAN. Furkan, TA7AOF, will be active as 4K6/TA7AOF from Bakü between February 7-12th, 2020. Activity will be on various HF bands using SSB and RTTY. Primary focus is the CQ WPX RTTY Contest (February 8-9th). See QRZ.com for direct QSL info. All QSOs will be uploaded to LoTW, Clublog, QRZ.com and e-QSL.

5H, TANZANIA. Chas, NK8O/VE3ISD, will once again be active as 5H3DX from Zinga, Tanzania, between February 16th and March 16th. Activity will be from the pediatric hospital at Zinga. Usual operations will be holiday style. Power output will be the legal limit for Tanzania at 100w and the primary antenna should be a Hexbeam configured for 40-6 meters, including the WARC bands. Operations will be primarily CW, with PSK31, FT8 and possibly SSB. He states that he will use a simple wire antenna and his KX3 with a KXPA100 amp. See QSL info on QRZ.com. Also, QSL via LoTW and eQSL. NO Bureau.

5I, TANZANIA (IOTA Op). Silvano, I2YSB, informs that the Italian DXpedition Team (IDT) will be activating Zanzibar Island (AF-032) in Tanzania between February 4-18th, 2020. The IDT will be using two call signs: 5I5TT for CW, SSB and RTTY; 5I4ZZ for FT8 and FT4. The Team will be comprised of 10 operators. Activity will be on 160-10 meters with 5 stations on the air. Suggested frequencies are: CW - 1826, 3530, 7025, 10115, 14030, 18068, 21030, 24890 and 28030 kHz SSB - 3775, 7090, 14240, 18130, 21310, 24950 and 28470 kHz RTTY - 14084 kHz FT4 - 3575, 7047.5, 10140, 14080, 18104, 21140, 24919 and 28180 kHz FT8 - 1845, 3585, 7056, 10131, 14084, 18095, 21091, 24911 and 28091 kHz

9G, GHANA. Matteo, IZ4YGS, will once again be active as 9G5GS from Sanzule, West Takoradi (Western Region), Ghana, between February 1-26th. Activity will be limited to his spare time (usually on "almost every evening", between 2100-0000z) on 160-20 meters using mostly FT8 (F/H) and SSB, with a Yaesu FT-891 and 100 watts into a vertical antenna. On FT8 (Fox-Hound Mode) the suggested frequencies are: 3567, 7056, 10131 and 14090 kHz. On FT8 (Standard Mode) on the standard frequencies; PLEASE SEND REPORT FIRST, not the Loc. He will also be active through the QO-100 geostationary satellite, USB mode. He will update daily to ClubLog. QSL via LoTW, IZ4YGS direct or eQSL.

CE9/HF0/VP8, ANTARCTICA (Update). Seba, SQ1SGB, active as VP8HAL (instead of CE9/SQ1SGB) and HF0ANT from Halley VI British Antarctic Research Station and the Polish Henryk Arctowski Station on King George Island (AN-010, WLOTA LH-0312), until Feb 8th. Activity on 40/20 meters using SSB and the Digital modes (FT8/JT65). QSL via his home callsign direct only.

FS, ST. MARTIN. Mike, VE7ACN (aka RW0CN, VA7XW, AA7CH), will be active as FS/RW0CN from Saint Martin Island between Feb 9-16th. There is a possibility (but not guaranteed) of a side trip to Tintamarre Island (NA-199) as FS/VE7ACN. Activity

will be on 80-10 meters (possibly 160m, if there is room) using mainly CW and SSB (FT8 very unlikely). He also plans to be in the ARRL DX CW Contest (February 15-16th). Equipment is a K3 w/Expert 1.3K-FA (1300 W) into a vertical and/or Inverted V. QSL via ClubLog's OQRS (preferred), LoTW, direct or by the Bureau to VE7ACN.

PJ4, BONAIRE. Scott, NE9U, will be active as PJ4/NE9U from the "PJ4G Radio House" on Bonaire (SA-006, WLOTA LH-1279) between Feb 8-22nd. Activity will include the ARRL DX CW Contest (Feb 15-16th) with operators Dan/K1TO, Noah/K2NG and Ron/KK9K joining Scott as a Multi-2 entry signing as PJ4A. QSL PJ4A (also LoTW) via K4BAI. QSL PJ4/NE9U via NE9U or LoTW. ADDED NOTE: Usually the team of operators will all be active as PJ4/homecall before and after the contest. Checkout the PJ4G Radio

TI9, COCOS ISLAND (Update). After 2 years planning, operators Jorge/TI2JV, Dmitry/RA9USU, Mats/SM6LRR and Andrew/UA3AB will be active as TI9A from Chatham Bay, Isla del Coco [Cocos Island (NA-012)], between February 2-8th. Activity will be on 160-10 meters using CW, SSB and possibly FT8, with three stations on the air. They will have two camps, eight radios and 20 antennas. QSL via UA3DX, ClubLog's OQRS or LoTW.

TO3, MARTINIQUE. Kan, JJ2RCJ, will be active as TO3FM from FM5BH's Ducos QTH on Martinique (NA-107) between Feb 3-8th. Activity will be on 80-10 meters (possibly 160m) focusing on FT8 (F/H). QSL via JJ2RCJ, direct, ClubLog's OQRS, LoTW or eQSL. All QSOs will be uploaded to LoTW and eQSL after operation. NO Bureau please.

TU, CÔTE D'IVOIRE. Operators Petr/OK1BOA, Petr/OK1FCJ and David/OK6DJ will be active as TU5PCT from the Radio Club ADRASEC RCI in Abidjan, Côte d'Ivoire (Ivory Coast), between Feb 24-29th. Activity will be on 160-10 meters using CW, SSB, RTTY and FT8. QSL via OK6DJ, ClubLog's OQRS or LoTW.

V4, ST. KITTS. John, W5JON, will once again be active as V47JA from his Calypso Bay, St. Kitts, West Indies vacation home, located 200 feet from the Caribbean Sea, between Feb 21st and Mar 5th. Activity on 160-6m (incl. 60m) using SSB and FT8. Equipment is a Yaesu FT1000MP, FT857D and an Elecraft KPA500 Amplifier. Antennas - Mosley Mini32A 10/15/20m, 33' Vertical 10-40m, 35' Top Loaded 80m Vert, 160m Vert and 6m 5 el Yagi. ALL QSLs go to W5JON direct or via LoTW. NO Bureau QSLs.

PACIFIC TOUR. Operators Will/AA4NC and Ron/AA4VK will be active from four islands. Their schedule is as follows:

French Polynesia -- As TX4N between Feb 11-17th. Look for Will to be active during the ARRL DX CW Contest (Feb 15-16th) as a Single-Op-Low-Power entry. **Norfolk Island** -- As VK9NR between Feb 20-25th. **Vanuatu** -- As YJ0NC between Mar 3-6th. **Fiji** -- As 3D2AA during the ARRL DX SSB Contest (Mar 7-8th) as a Single-Op-Low-Power entry. Operator will be Will. Activity on most islands will be holiday style on various HF bands. No other details were provided. QSL all callsigns via EA5GL.

March...

BP0, TAIWAN. Members of the Amateur Radio Taipei (ART) will be active from Taoyuan as BP0P during the CQWW WPX SSB Contest (Mar 28-29th) as a Multi-2 entry. Operators mentioned are: Tang/BM2AAV, Eddie/BV2DD, Evan/BV2KS and Jie/BV3UB. QSL via BP0P. QSL also OK via ART QSL Service.

CE0Y, EASTER ISLAND. Mike, VE7ACN, will be active as CE0Y/VE7ACN from Easter Island between Mar 19-30th. Activity will be on 80-10m (possibly 160m) using CW and SSB. QSL via VE7ACN, ClubLog's OQRS or LoTW.

FJ, ST. BARTHEMEY. Operators Pat/N2IEN, Lee/WW2DX, Rock/WW1X and Ray/W2RE will be active as FJ/N2IEN, FJ/WW2DX, FJ/WW1X and FJ/W2RE, respectively, from St. Barthelemy (NA-146) between Feb 15-22nd. Activity will be holiday style on various HF (160 6m)/VHF/UHF bands using CW, SSB, RTTY and satellites. QSL via their home callsigns. The group will also be in the ARRL DX CW Contest (February 15-16th). No other details available at this time.

W8S SWAINS ISLAND DXPEDITION 2020 (Update). Upcoming DXpedition to Swains Island (OC-200) will take place between March 10-25th, 2020. The list of international operators signing as W8S are as follows: Hans/DL6JGN (Team Leader), Ronald/PA3EWP (Co-Team Leader), Uwe/DJ9HX, Axel/DL6KVA, Dieter/DJ9ON, Steve/AG4W, Adrian/KO8SCA, Martin/PA4WM, Gerben/PG5M (QSL Manager) and Rainer/DL2AMD. Activity will be on all HF bands using CW, SSB, FT8 and RTTY, with 4 stations from 2 separate camps.

YJ, VANUATU. Operators Will/AA4NC and AA4VK will be active as YJ0NC from Port Vila, Efate Island (OC-035) during March. This is part of a South Pacific DXpedition which they will activate 8 country. Activity will be holiday style on various HF bands, but will include the ARRL DX Phone Contest (March 7-8th). QSL via AA4NC. Look for more details to be forthcoming.

April...

J8, ST. VINCENT. Brian, GW4DVB, will once again be active as J88PI from Palm Island (aka Prune Island, WW Loc. FK92HO, IOTA NA-025), in the St. Vincent and the Grenadines Island group, between Apr 6-15th. Activity will be holiday style on 40/20/17/15/10/6 m using CW, SSB, SSTV and FT8. Using a Yaesu FT991A into a 10m vertical antenna, a M0CVO HW-40HP off center fed dipole and possibly new antennas. QSL via GW4DVB direct only (PayPal available) to: PO Box 20:20, Llanharan, Pontyclun, Wales - UK CF72 9ZA. ADDED NOTE: Palm Island is an exclusive, private-island resort. This idyllic tropical hideaway is situated near the southern tip of St. Vincent and the Grenadines, an idyllic archipelago of 32 tropical islands and cays known for its stunning natural beauty, clear, warm waters and turtles.

OX80/OZ80, GREENLAND AND DENMARK (Special Event). Many Greenlandic and Denmark radio amateur stations will be celebrating the 80th birthday of H.M. The Queen of Denmark in these two DXCC entities. Look for special event stations OX80HM and OZ80HM to be active on all bands until April 16th. QSL via OZ1ACB OQRS. A special royal award will be available. Watch for details on QRZ.com.

IOTA NEWS...

AF-063. Members of Low Bands Contest Club (OM7M) will take part in a DXpedition to **Pemba Island, Tanzania**, between Feb 6-18th. Activity on 160-10m using CW, SSB, RTTY and FT8. They will also take part in the ARRL DX CW Contest (Feb 15-16th) and the CQ WPX RTTY Contest (Feb 8-9th). Operators will use 2x K3 TCVR, 1xTS590 with 2xPA Expert 1K3 PA and Vertical antennas for HF bands. The license is issued and the callsign will be 5H4WZ. Operators mentioned are Karel/OK2WM, Lubo/OM5ZW, YL Margita/OM5MF, Jozef/OM4AZF and Leszek/SP9LJD. Logs will be uploaded to ClubLog

AS-015. Rich, PA0RRS, will once again be active as 9M2MRS from **Penang Island, West Malaysia**, until Feb 28th. Activity will probably be on 40-10m using CW, RTTY, PSK, FT8, FT4 and possibly SSB (he will have a microphone in the luggage, but normally no SSB [possible on request]). Rich will have a Yaesu FT450D with 100 watt into a G5RV dipole with bents on the balcony of the house and a MFJ automatic intellituner for all bands. QSL via his home callsign, ClubLog's OQRS, LoTW or eQSL.

NA-040. Henry, NL0H, is planning to be active from **St. Lawrence Island, Alaska**, sometime between Feb and Mar. Activity will be limited due to his other activities on the island. Operations will be on 40/20 meters with 100 watts using SSB and possibly FT8/FT4 and 30m. He is looking for support. QSL via NL0H direct only.

SA-101. (New IOTA) Operators Nando/IT9YRE and Mike/K9AJ will be active as CB0Z from **Alejandro Selkirk Island** between Feb 3-5th. For DXCC purposes this will count for **Juan Fernandez**. Activity will be on 40/30/20/17/15 meters using CW, SSB and possibly FT8. They will have two stations using vertical antennas. QSL via ClubLog's OQRS or via IT9YRE.

That's it for the February issue. Get on the air and get excited about Amateur Radio. You never know what you might be able to work even with the band conditions as they are. 73 until next month.



CW/QRP & Linux Special Interest Groups

Terry, KB8AMZ



CW & QRP SIG

Second Tuesday, January 14, 2020, will mark our first SIG beginning at 1900 hours, 7 PM, at the PCARS club site. We will again have **Get On the Air** for persons licensed or studying for a Amateur Radio license providing you can receive and send Morse Code. Beginners should use a straight key. If you don't have a straight key I have one to loan you at the SIG. Non-licensed persons will use the call sign of the person helping them get on the air. Think you send too slow to get on the air? You should come to the club site to hear there are others that are actively on the air sending at CW speed slower than the previous required 5 wpm. Your goal should not be how fast you can send but to get on the air and experience contacting another ham and making a new friend. See you at the first Special Interest Group for low power Morse Code communications.

Linux for Hams SIG

Our next SIG will not meet again until March 31, 2020, the first month that has a fifth Tuesday.

I plan adding informative articles to our lack of SIG meetings this year. Our group decided to use the Raspberry Pi platform and Raspian Linux to run ham radio applications. This first article consists of minimal setup equipment, flashing Raspian Linux on a SD card, and an "easy Raspberry Pi setup script to install many ham programs" we want to use. We can thank Jason Oleham, KM4ACK for this script.

Minimum equipment:

A Raspberry Pi 3/3+/or 4, 2 type 10 (minimum) 16 GB (I use 32 GB) SD cards, and a 5V 2.5A power supply. If you run a standalone you will need a keyboard, mouse, and monitor. The version of Raspian chosen provides a GUI with minimal support programs providing a slimmed down operating system with added ham only programs. The Linux version we use is Raspbian Buster with desktop, release date 2019-09-26, kernel version 4.19, download size 1123 MB and can be downloaded from URL: <https://protect-us.mimecast.com/s/xJzsC4xwQWcBAKDrSOWP3n?domain=raspberrypi.org>. DO NOT USE NOOBS to install the image on your SD cards (I suggest 2 SD cards minimum size of 16 GB type 10. One currently in the Pi; second is a backup of the one used in the Pi.). Use balenaEtcher (at URL <https://protect-us.mimecast.com/s/0fb2C5yxQAHZYLXAtOX39G?domain=balena.io>) to install the Raspian Linux image to two SD cards.

OS and Amateur Radio Programs

If you plan to use your Pi headless you should be connected to the Internet for the first bootup. You will open a terminal window and run a script provided by Jason Oleham, KM4ACK, that will install amateur radio programs that we will use. Jason has developed a script to install a group of programs that you can select to install on your SD card in one swoop (I suggest you watch Jason's YouTube video "Early Access - Build-a-pi" <https://protect-us.mimecast.com/s/-b9yC68yXYcrlYpXumEZ-X?domain=youtu.be> to give you a better understanding). The script is git clone <https://protect-us.mimecast.com/s/n9D0C73z1DSAj18LTNe9o0?domain=github.com> \$HOME/pi-build && bash \$HOME/pi-build-a-pi You bootup Raspian Linux for the first time. Open a terminal window and type in this script. Check the install occasionally for responses that you will need to key in. If you plan to install Winlink be sure to register for a Winlink password.

Next month I will present some equipment you might want to purchase to make using your Pi with your radio equipment compatible and a bit about the shell used in Raspian Linux, 'bash'.

Linux for Hams SIG - *Special Report from the On-The-Spot Linux SIG reporter Nick, AC8QG*

Last SIG of 2019

PCARS ended 2019 with a bang. With mere hours remaining in the year, several club members choose to spend time together enjoying our great hobby and some good company. The Linux SIG on December 31st turned into a pretty decent New Year's Eve party, too!

Terry, KB8AMZ and Jim, AC8NT walked everybody through the latest and greatest OS installation process for the Raspberry Pi. Then we turned to good old YouTube for some amateur radio specific guidance from KM4ACK. Overall, it was a good night for learning some fundamentals and discussing the state of open source ham radio projects.

To wrap things up, the pizza guy eventually found the club site, and my kids figured out how to play video games on their Raspberry Pi. We broke out an **actual raspberry pie** (the food kind), and said goodbye to another great year!



Digital Special Interest Group

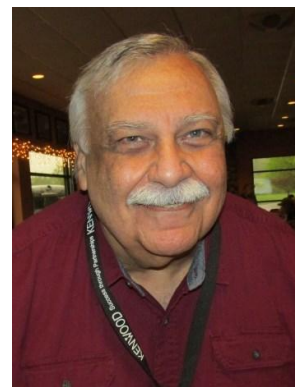
Rick, K8CAV

The PCARS Digital Special Interest Group will meet on Tuesday February 4th at 7:00 PM at the PCARS club site in Ravenna. The PCARS stations will be open for on-the-air digital operations. We will also be available to help with any questions or issues you may have concerning digital operations. Feel free to bring your computer or other equipment.



DX and Contest Special Interest Group

Chuck, W8PT



Hello to all PCARS DXers and Contesters. On Tuesday, Jan. 27th, we held our first DX/Contest Special Interest Group meeting for 2020. First, I want to thank all those who attended. We had a very good turnout considering what the WX was like in some areas around Ravenna.

We briefly discussed our upcoming **Freeze Your Acorns Off** QRP event, to be held February 8th. I encouraged all those present to make an effort to attend and even operate. I was glad to hear that a few of those at the meeting will be operating.

No changes were made to FYAO, except that we confirmed that those who wanted to operate digital mode should concentrate of PSK 31 and not try FT8 since the amount of info that should be passing between stations is a little too much for FT8. We want those who are operating this event to make sure that they inform those who they contact, that they should be looking for our club station, K8BF, to make a contact in order to receive a certificate suitable for framing. As I pointed out, this is supposed to be an event to the outside world, even though this is an in-house contest for those members that are operating from the event site.

We discussed the need to get a date for our RTTY training set. In order for this to have any impact, it must be done prior to the NA QSO Party RTTY mode contest, slated for February 29th. We will be notifying all those interested in getting the training of the date when it is set.

We also agreed that it would be a good idea to have some training on the use and set up of the N1MM logging program. I will be speaking to those who use and know that program to see what can be arranged.

We also had a good discussion regarding the idea of entering contests where our member ops would be doing the operation from their own QTHs. They would use their own call signs and when submitting their logs, they would enter, **Portage County Amateur Radio Service** on the line asking for the club affiliation or club name. By operating this way, we might eliminate some apprehension on the part of members who want to participate in PCARS contesting, but for whatever reason, do not want to do it from the club site.

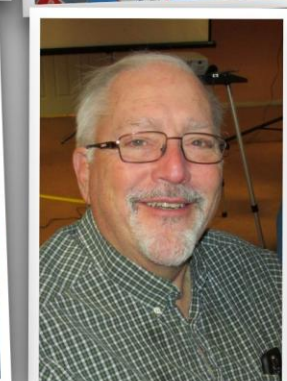
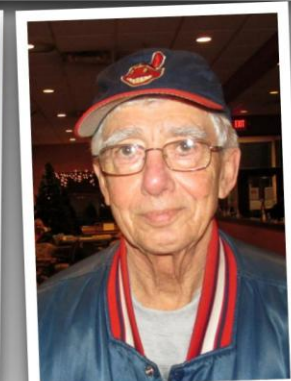
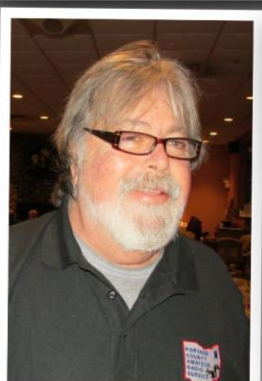
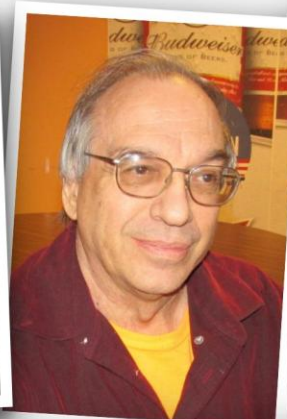
We understand that there are those who would feel more comfortable using their own rigs and, at the same time, not having someone looking over their shoulder watching them as they operate. In other words, eliminate the sense of being stared at. We've all been there and I know the feeling. So we decided that the CQ WW WPX Contest, SSB held on Mar 28-29th might be a good starting point. You will hear more about this in a few weeks.



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

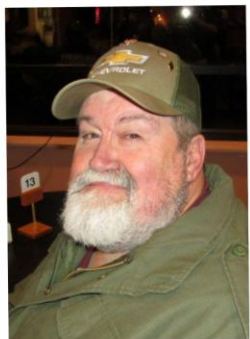
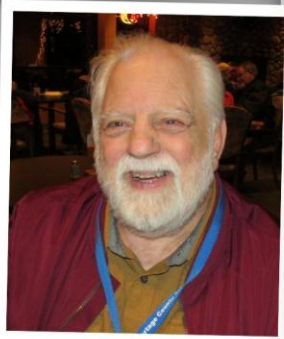


Photos from the January PCARS Meeting



PCARS

Jan. 13, 2020



PCARS
Jan. 13,
2020

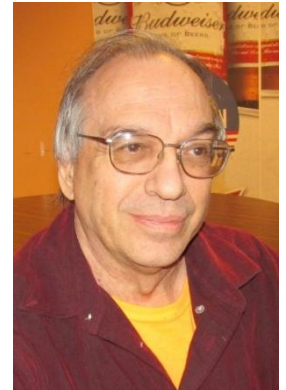




PCARS Jan. 13, 2020

Gave Up My Amateur Radio License Plate

Jim, N8PWX



Here's my experiences with the Ohio BMV last December

First off, last summer the Ohio legislature passed an increase in gasoline tax to fund road repairs. Additionally, the governor tacked on a \$100 road tax for hybrids, and \$200 for EVs.

The road taxes took effect on Jan 1, 2020. Also, the state increased the license renewal time from 2 years to 5 years. So, for me it made sense to go for 5 years for registration on both the Prius, saving \$500, and the Tesla, saving \$1000. OK, I received the Tesla on Dec 13. The 3rd week in Dec comes around, so I go to the BMV to get 5 years on the Prius. The clerk says, **"I can only give you 1 year"**. I pay the fee, and before I walk out she says, **"Because it's an amateur plate"**.

I then show her the temp tag info for the Tesla, and ask if I can get 5 year plates. "No you need the title". I go back home and think about it for a couple of days. Then I went back to the BMV and say, "I have a Prius, the road tax goes up to \$100 next year, and I want to get 5 year plates at the current rate." "We can't do it, you have amateur plates, the FCC won't allow us to grant plates for more than 1 year." I said "OK, I want 5 year plates. Can I surrender my amateur plates for regular plates and get 5 years?". "Yes, we can do that". **So I lose the amateur plates I've had for almost 30 years**, but finally, I have 5 year plates on the Prius.

Now I'm waiting for the title for the Tesla to come in the mail. It's now Mon Dec 30, and no title in the mail. I go to the BMV website, and I see a menu button for "Title Search". So I enter the VIN for the Tesla. Lo and behold, I get the title number and find out it was recorded on Fri Dec 27. So I print out the page and head down to the BMV. I show them the title info and say I want plates. "You must have the title." After a short discussion, the clerk replies, "However, the title is recorded and the title bureau is next door. You can get a duplicate title for \$6, bring it back here, and get plates". That was the best \$6 I ever spent, it saved me \$1000. So that was my Dec adventure. Oh, but it's not over yet.

The 2nd week of Jan I get a set of plates in the mail. A note inside says the registration info will come later. A few days later, the registration comes and it's for the Tesla. So now I have 2 sets of plates for the Tesla. A day or 2 later the title finally arrives from the dealer. Almost a month after I got the car from the dealer. Back to the BMV to straighten out the 2nd registration. I did get a refund for the 2nd set of plates. Apparently, you can get as many plates as you want for your vehicle.

A friend said I should have put one plate on the front and the other on the back. Or I could've used a rotating holder like James Bond, to change the plates on the run. Ain't government bureaucracy wonderful !!

Editor's Note: My reply to Jim when he sent this to me was: "Well, you can now bring your Amateur Radio license plate to the PCARS club site and have it hung on the wall !!"



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.

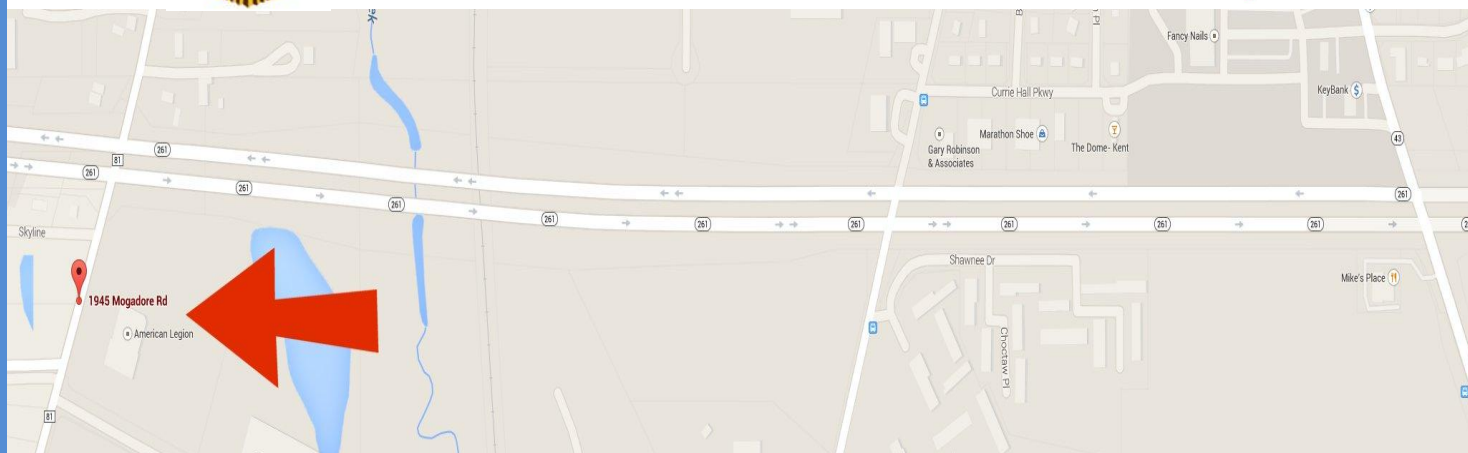


PCARS Meetings

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



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



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



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

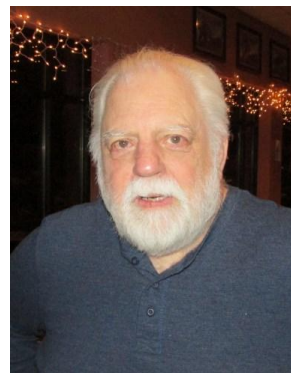


The menu consists of your basic burger / dog / chicken sandwiches, wings, fries, onion rings, and salads. There is also an appetizer selection as well. Adult beverages are available and costs are in line with what you would expect at most bar-restaurant facilities.

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.

A Few Quotes to Ponder

Larry, N8FTP



- "640K ought to be enough for anybody." --Bill Gates, 1981
- "Computers in the future may weigh no more than 1.5 tons." --Popular Mechanics, forecasting the relentless march of science, 1949
- "But what .. is it good for?" commenting on the microchip. --Engineer at the Advanced Computing Systems Division of IBM, 1968
- "This 'telephone' has too many shortcomings to be seriously considered as a means of communication. The device is inherently of no value to us," --Western Union internal memo, 1876.
- "The wireless music box has no imaginable commercial value. Who would pay for a message sent to nobody in particular" --in response to urgings for investment in the radio in the 1920s. David Sarnoff' Associates.
- "Man will never reach the moon regardless of all future scientific advances. --Dr. Lee DeForest, "Father of Radio & Grandfather of Television."
- "I think there is a world market for maybe five computers." --Thomas Watson, chairman of IBM, 1943
- Those who jump off a bridge in Paris are in Seine.
- Dijon vu - the same mustard as before.
- Shotgun wedding - A case of wife or death.
- A hangover is the wrath of grapes.
- Does the name Pavlov ring a bell?
- Reading while sunbathing makes you well red.
- When two egotists meet, it's an I for an I.
- A bicycle can't stand on its own because it is two tired.
- What's the definition of a will? (It's a dead give away.)
- Time flies like an arrow. Fruit flies like a banana.
- In democracy your vote counts. In feudalism your count votes.
- She was engaged to a boyfriend with a wooden leg but broke it off.
- A chicken crossing the road is poultry in motion.
- If you don't pay your exorcist, you get repossessed.
- With her marriage, she got a new name and a dress.
- The man who fell into an upholstery machine is fully recovered.
- You feel stuck with your debt if you can't budge it.
- Every calendar's days are numbered.
- A lot of money is tainted - Taint yours and taint mine.
- A boiled egg in the morning is hard to beat.
- He had a photographic memory that was never developed.
- A midget fortune-teller who escapes from prison is a small medium at large.
- Once you've seen one shopping center, you've seen a mall.
- Bakers trade bread recipes on a knead-to-know basis.
- Santa's helpers are subordinate clauses.
- Acupuncture is a jab well done.



Portage County Amateur Radio Service, Inc.



PCARS - K8BF

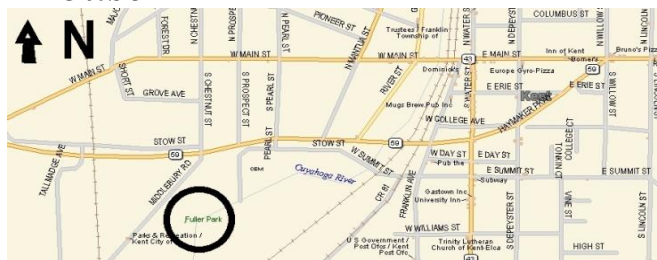
15th Annual

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



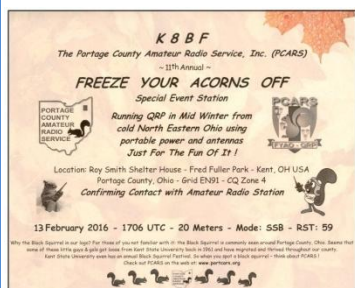
Where: Fred Fuller Park - 497 Middlebury Rd., Kent, Oh
at the Roy Smith Shelter House

When: Saturday - Feb. 8, 2020
Set up: 9 am



Operating Time: 10 am - 3 pm EST

*We will be active on CW & Phone in the General areas of the 6, 10, 15, 20, 40 and 80 meter bands (Repeater & Echolink on the K8SRR echo link node for a certificate) and anything else we can get working. Club Call Sign **K8BF** for a certificate. Other participating stations will be using their own callsign/FYAO, or calling "CQ FYAO" (only stations at the Freeze Your Acorns Off event should use the /FYAO designator). Yes, we'll be braving the cold snowy weather of North Eastern Ohio to set up QRP stations using portable power and antennas.*



A beautiful color (suitable for framing) 8" x 10" certificate is available if you contact K8BF and send your QSL with a large SASE to the club call trustee:

Amy Leggiero, KD8SKL - 6229 Gladys St Unit B - Ravenna, OH 44266

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



Check PCARS out on the web at: www.portcars.org
Questions? Contact Chuck, W8PT at chuckw8pt@gmail.com



~ Amateur Radio Instruction Class ~

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

is sponsoring an Amateur Radio **General Class** course

that will enable *You* to upgrade

Your FCC license to

General Class



When:

Wednesday evening 7:00 p.m. – 9:00 p.m.
February 12, 2020 through March 18, 2020
6 weeks. Official Amateur Radio License testing
will be held at the end of the course (March 18th).

Where:

At the **PCARS Club Site**
Radio Room located in the Dietrich Building
705 Oakwood Street in Ravenna

Registration: First night of class

Cost:

\$25.00 Registration fee.

(No Registration Fee for PCARS Members)

\$33 Text – “General Class License Manual”

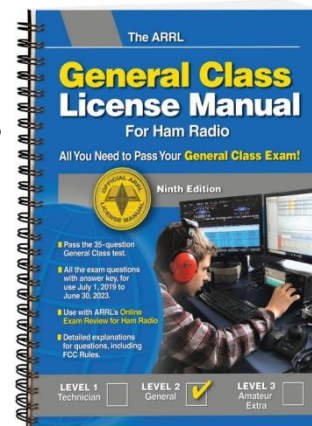
(text may be purchased first night of class)

Information:

Contact Jim Wilson, AC8NT

e-mail at: jawilson@j3solutions.com

phone at: **330-342-8149**



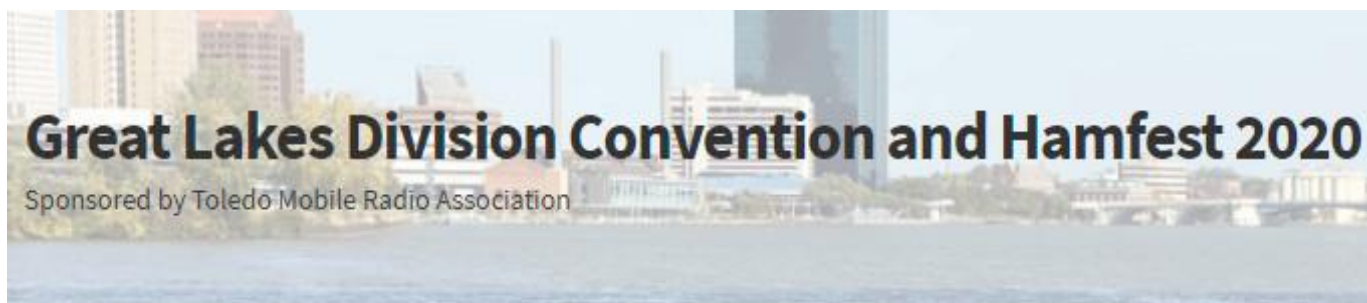
As a licensed **General Class Radio Operator** you will be able to

- **Contact other ham radio operators on more frequencies around the world**
- **Serve your community – ham radio operators are the critical communication link during disasters and emergencies - local, county, state and world-wide**
- **Have a LOT of fun on-the-air**

THERE WILL BE A FIVE STUDENT MINIMUM (or no class will be held)

Contact Jim Wilson, AC8NT to make your reservation NOW

Jim Wilson - AC8NT, at jawilson@j3solutions.com or by phone at 330-342-8149



March 14-15 - Toledo Hamfest, ARRL Great Lakes Division Convention

Location: Perrysburg, OH

Sponsor: Toledo Mobile Radio Association

**Meet and talk with Rick Roderick, K5UR President of ARRL and
Bob Heil, K9EID from Heil Sound Company**

For more information go to: <http://www.toledoglc.org/>

#####

Call for Nominations

We are looking for nominations to the following awards

**“Lifetime Achievement,” “Amateur Of The Year,” “Technical Achievement,” “DX Achievement,” and
“Young Amateur Of The Year.”**

If you know of someone who is deserving of such recognition, feel free to nominate him or her.

Time is short. All nominations must be received no later than Friday, February 14th

>> [Click Here](#) << for a listing of Awards and the criteria for nomination and please pay particular attention to the requirements as you consider your nominations.

The judges will be looking for specific information and details that illustrate the nominee’s qualifications.
To submit your nominations, send the information to the Awards Chair, Tom Delaney, Vice Director,
at w8wtd@arrl.org.

#####

Wouff Hong Ceremony

A Wouff Hong Ceremony will be held just after the ARRL Banquet on
Saturday, March 14th. If you are interested in being inducted into the **Royal
Order of the Wouff Hong** we need you to pre-register. This will assure you that
you will have a seat at the Conclave. >> [Click Here](#) << to get registered



Thanks & 73



Parky, KB8UUZ
PCARS Newsletter Editor



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 with plenty of activities. So chip in and send your report in to keep this newsletter great for 2020 and beyond.

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

WB8LCD, AC8QG, KE8EGF, KB8UUZ, WX4QZ, KD8MQ, K8CAV, N8SY, WA8EFK, W8WTD, KD8WCK, W8KNO, KC1JMW, K4ZDH, KA8TOA, K3GP, K3LR, W8PT, KB8AMZ, N8PXW, N8FTP, N3RA, Bruce Campbell,, The ARRL, and the World-Wide Web.

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



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

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



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

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

PCARS uses the **K8IV** repeater: **146.895 MHz PL 118.8** in Sugar Bush Knolls ~ EchoLink Node: **K8SRR**

Check PCARS out on the web: www.PORTCARS.ORG -or- 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 WAS, VUCC, WAC	W8KNO	Joe Wehner
	Club Site Manager/Liaison	K8CAV	Rick Kruis
	Contest Coordinator	W8PT	Chuck Patellis
	EchoLink & Web Guru	K8SRR	Steve Randlett
	Field Day Chairman, 2020	WA8AR	Tony Romito
	FYAO Chairman	W8PT	Chuck Patellis
	Historian	KB8SZI	Peggy Parkinson
	K8BF Callsign Trustee	KD8SKL	Amy Leggiero
	K8BF QSL Manager	KD8SKL	Amy Leggiero
	Membership Chairman	AC8NT	Jim Wilson
	Net Control Manager	KA8TOA	Greg Ash
	Net Night - Club Manager	WB8LCD	Tom Sly
2nd Monday of each month. 7pm Thursday night Club Net at 8 pm on 146.895	Newsletter Editor	KB8UUZ	Tom Parkinson
	OSPOTA Chairman	KB8UUZ	Tom Parkinson
	Public Information Officer		
	Secretary	N8WCP	Mike Szabo
	Tech, Gen & Extra Class Manager	AC8NT	Jim Wilson
	Volunteer Examiner Liaison	KB8UUZ	Tom Parkinson
~ Meetings & Net ~	Webmasters	KD8MQ	John Myers
		K8SRR	Steve Randlett



**PCARS
Active
Volunteer
Examiner
Team
Members**

KB8UUZ	Tom Parkinson
WB8LCD	Tom Sly
N8XTH	Deron Boring
N8PXW	Jim Korenz
N8QE	Bob Hajdak
K8IV	Ed Polack
WA8CCU	Al Nagy
W8EZT	Frank Tompkins
AC8NT	Jim Wilson
K8MSH	Mark Haverstock
KA8TOA	Greg Ash
W8PT	Chuck Patellis
AC8QG	Nick Wagner
N8FUM	Dan Torchia
W8GWI	Dave Seckel



THE RADIOGRAM

PCARS Incorporated
Nov. 1, 2005

First Meeting
Nov. 14, 2005



ARRL Affiliation
April 20, 2006



Special Service Club
March 22, 2010

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