



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

December 2022 - Volume 17 Number 12



FIELD DAY 2022 *Results*



PCARS Officers 2023



President
Nick, AC8QG



Vice President
Jim, AC8NT



Treasurer
Greg, KA8TOA



1 Year Trustee
Tom, KB8UUZ



2 Year Trustee
Chuck, W8PT



3 Year Trustee
Mike, KB8TUY



Immediate Past
President
Tom, WB8LCD

PCARS 2023 Officers Elected



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





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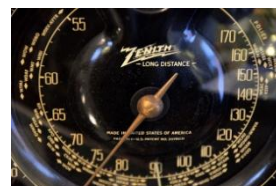
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PCARS Officers 2023



FIELD DAY 2022



Portage County Amateur Radio Service



2018 Hamvention® Club of the Year



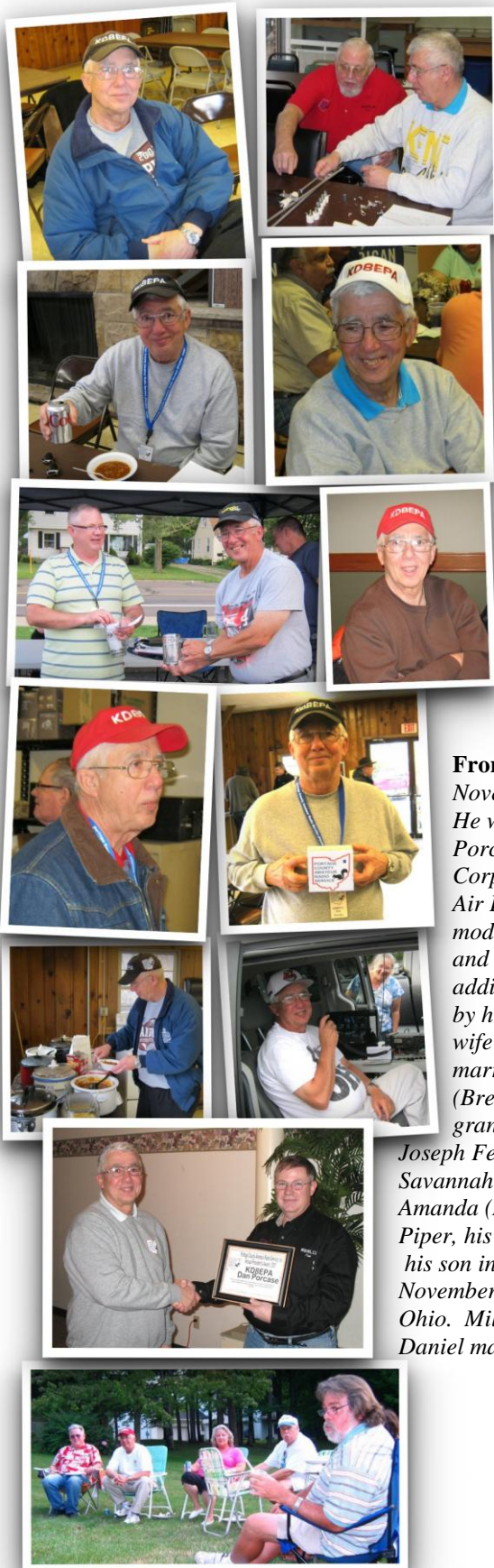
Dan Porcase, KD8EPA - SK



It is with great Sadness I announce a Silent Key KD8EPA, Dan Porcase. Dan was member #50 and very active in PCARS. He was awarded the President's Award in 2007. Always a smile and good humor. Enjoyed his Amateur Radio hobby and being around other PCARS members to have friendly chats. He will be missed by all that knew him

From his QRZ Page: Hello Everyone, As a small boy, growing up in the fifties, I was always interested in radio. I built crystal radios and later a Space Spanner Short Wave Radio kit. I strung wires for an antenna across the roof in 1958. Joined the USAF in 1961 and took electronics and missile guidance systems. After four years with Uncle Sam I started working various jobs until hiring in at an automobile stamping plant where I became a die maker. I started building and flying RC planes in 1971. Retired in 2000 and found Amateur radio in 2006. Now I have two great hobbies. I love flying and also DX. My station is made up of the following equipment: Yaesu FT950 with a MD-100 desk mike, into a DX Engineering 43 foot vertical with 40 radials 32 ft long each. An FT450 for back up. Also an FT897D with LDG AT897 tuner feeding into a 40 meter dipole from Alpha Delta at 20 ft. also a Comet GP15 Tribander for VHF and UHF. Received my WAS award from the ARRL and would like to say "Thanks" to all of those who helped. I will try to uphold the tradition and will try my best to help others to do the same, Thanks, Dan, KD8EPA.

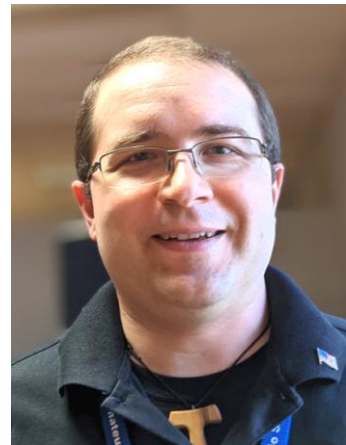
From the Record Courier: Daniel J. Porcase, 80 of Ravenna, passed away Friday November 11, 2022 at the McCrea Manor Nursing Home and Rehab in Alliance, Ohio. He was born July 31, 1942 in Ravenna, Ohio to the late Joseph and Edith (Richardson) Porcase. Living in Ravenna most of his life, Daniel retired from the Chrysler Corporation in Twinsburg where he worked as a die maker. He is a veteran of the US Air Force. Daniel enjoyed classic cars being a member of the Nostalgic Cruisers, flying model airplanes being a member of the Ravenna Thunderbirds and Alliance Balsa Bees and also was an amateur ham radio operator. In addition to his parents, he was preceded in death by his daughter Lisa Stiles. Survivors include his wife of 57 years, Karen (Colvin) Porcase whom he married January 15, 1966, his children Vickie (Brett) Burkey, Daniel (Becky) Porcase, his grandchildren Brandon Burkey, Stephanie Burkey, Joseph Ferrante, Anthony Ferrante, Samantha Ferrante, Savannah (Jason) Kalbaugh, Scott (Amanda) Porcase, Amanda (Mike) Svoboda, Zachary (Nicol) Porcase, his great grandchildren Tristan, Kylie, Piper, his siblings Paul (Nancy) Porcase, Candy Wyers, Jo-Ann (Paul) Sabathe, his son in law Mike Stiles and many nieces and nephews. Calling hours were held Friday November 18, 2022 at the Shorts Spicer Crislip Funeral Home Ravenna Chapel, Ravenna, Ohio. Military Honors by the US Air Force were at 6 PM. Condolences and memories of Daniel may be shared with his family at www.sscfuneralhomes.com.



From the President



Nick, AC8QG
PCARS President



Center of Hope Fundraiser

The generosity of PCARS members was on full display this year as we raised money for the Center of Hope. Several of you dug deep to help out, and I appreciate it. This money will help feed many hungry individuals and families in our community this year.

I'm proud and humbled to be a member of such a selfless and generous group. Helping our community is a crucial part of our mission, and once again, PCARS members proved we do that with more than our radios. Thank you all!

December Christmas Dinner

Make your reservation for the annual PCARS Christmas dinner now! It's a fantastic social event open to all PCARS members and their families. As with all PCARS events, more people means more "Big Fun!"

All the details are in this newsletter. I hope to see you there!

Election of officers

Welcome to our new officers! We have a great team assembled for 2023, and I look forward to getting a lot done this coming year. To our new and returning officers: Thank you!

Remember, you don't have to be an officer to help PCARS. We need all the help we can get from everyone. Our appointed positions have a significant impact on the club. If you're interested in helping out, please let me know.

Of course, the best way you can help PCARS is by participating. Participate in our weekly SIGs (Zoom or in person). Participate in the weekly club net (on the air or by EchoLink). Participate in club meetings, build days, classes, projects, training, contests, and Field Day. Your participation makes all the difference!

Merry Christmas and Happy New Year

Finally, I'll say *Merry Christmas* and *Happy New Year* to all of you! I hope you enjoy family, food, and fun throughout the season! May you experience peace and joy in your life!

I'm looking forward to another "**Big Fun**" year with all of you!



Schedule of Events



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

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

Dec 3rd - VE Testing at club site - starts at 10 am

Dec 5th - PCARS Board Meeting at the club site & Zoom - 7 pm

Dec 12th - PCARS Christmas Dinner Meeting - Kent American Legion & Zoom - 7 pm

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

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

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

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

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



PCARS Custom Coffee Cups - Limited Edition - Almost Gone

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

Portage County Amateur Radio Service



K8BF

2018 Hamvention® Club of the Year

Supply is limited. If you are a current (PAID) member of PCARS you get one coffee cup for **FREE** !! The only catch is you have to claim it from the **Treasurer - Greg, KA8TOA**. Greg has a list of current members and will check off your name when you get your **FREE** PCARS coffee cup.



There are a **very limited number of extra coffee cups** for sale at \$5.00 each.

Contact Greg for all of the details: Treasurer@portcars.org



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



Congratulations to the PCARS 2023 Officers

The annual election of officers for PCARS was held at the November 14th PCARS in-person and Zoom meeting. The winning candidates will take over as our elected board members on January 1, 2023. Nick, AC8QG was re-elected President. Jim, AC8NT was elected as Vice President. Greg, KA8TOA was re-elected as Treasurer, Tom, KB8UUZ goes to 1-Year Trustee, Chuck, W8PT goes to 2-Year Trustee and Mike KB8TUY was elected 3-Year Trustee.

Tom, WB8LCD is still the Immediate Past President.

CONGRATULATIONS

PCARS Officers 2023



**President
Nick, AC8QG**



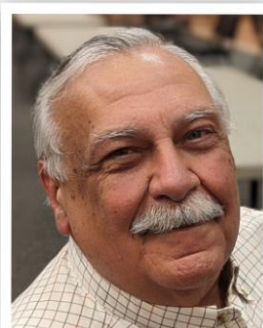
**Vice President
Jim, AC8NT**



**Treasurer
Greg, KA8TOA**



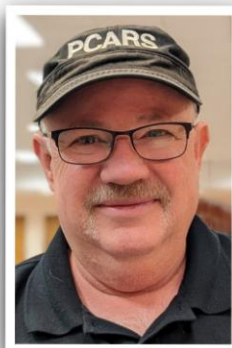
**1 Year Trustee
Tom, KB8UUZ**



**2 Year Trustee
Chuck, W8PT**



**3 Year Trustee
Mike, KB8TUY**



**Immediate Past
President
Tom, WB8LCD**

Christmas Dinner Meeting

Tom, WB8LCD

The PCARS December meeting will be held at the American Legion hall on Monday, December 12, 2022. Dinner will be served at 7:00 PM *sharp*!

Christmas Dinner

This is our annual **Christmas Dinner meeting**, open to all PCARS members and their families. The dinner will be catered by our friend Bert from the **Little City Grill** of Kent. The cost will be the **same as last year**, \$20 per plate. (If you pay via the PAYPAL button the cost will be slightly higher to cover the PAYPAL fees.)



The entrees for this year's dinner will be your choice between **Grilled Chicken or Tri-Tip Steak**. All dinners will include mashed potatoes, green beans, a salad, and roll and butter. Appetizers will proceed the dinner. Coffee and water will be available with the dinner. All other beverages will be available from The American Legion Canteen. Don't forget, the dinner will be served at 7:00PM.

You can mail your reservations directly to me at: Thomas R Sly – WB8LCD - 1480 Lake Martin Dr. - Kent, OH 44240

along with your check payable to "PCARS", or, a copy of your PAYPAL receipt. You can always give your reservation directly to me, be sure to indicate your choice of meal(s) and the names of all those you are making reservations for. There is a PAYPAL button on the club website. **Deadline is 2 December 22 (or a few days past that is ok, too).**

PCARS gift exchange after dinner!

After the dinner, there will be a short PCARS meeting along with our **PCARS Gift Exchange**! Please bring a ten-dollar gift and mark it for a HAM or a NON-HAM. (Non-ham gifts should be gender neutral.) If you are bringing children, please bring a special gift for your own children, and mark the child's name on the gift so we can make sure it gets to him or her. There will be a table with two baskets, one labeled "HAM" and the other labeled "NON-HAM" with slips of paper in the front of them. Put your gift on the table, pick up a slip of paper, write your callsign and deposit in the "HAM" basket *if you brought a ham gift*, or, write your name on it and deposit it in the "NON-HAM" basket *if you brought a non-ham gift*. **PLEASE:** do not deposit a slip if you did not bring a gift for the EXCHANGE!



Mark your calendars, make your reservation, and I'll see you there!



PCARS Field Day 2022 - Results



The ARRL released the results of Field Day 2022. PCARS, operating under the club call **K8BF**, came in **second place overall in the 4A category**. PCARS also came in First Place in Ohio in 4A and First Place in the Great Lakes Division in 4A as well.



FIELD DAY 2022

4A

Huntsville ARC K4BFT (+K4V)					
	4,682	2	65	16,650	AL
Portage Co. ARS K8BF (+KD8WZS)	3,367	2	52	11,766	OH
Livonia ARC K8UNS	2,960	2	57	9,912	MI
Westchester EmComm Assn. N2SF (+W2ECA)	2,254	2	25	8,488	ENY
Edmond ARS K5EOK	1,973	2	33	8,130	OK
WCARS Murphy Chapter KT4Q (+WC4NC)	2,418	2	56	8,026	NC
Fairlawn ARC W2NPT	1,378	2	52	6,058	NNJ
Owatonna Steele Co. Amateur Radio K0HNY	1,296	2	15	6,052	MN
LEFROG W9FRG	1,715	2	10	6,004	WI
Sierra Foothills ARC W6EK (+KN6MJB)	1,304	2	26	5,968	SV

Number of Participants by Class

Class A	22,090
Class B	729
Class C	76
Class D	2,878
Class E	1,412
Class F	2,494
Total	29,679

Transmitter Count by Class

1A	131	3AC	36	3D	11
2A	292	4AC	14	4D	2
3A	320	5AC	8	5D	1
4A	153	9AC	1	6D	1
5A	73	1B1	243	1E	675
6A	33	2B1	1	2E	36
7A	13	4B1	1	3E	21
8A	8	1B1B	234	4E	6
9A	1	2B1B	1	5E	5
10A	1	1B1C	28	1F	21
11A	2	1B2	42	2F	54
14A	1	2B2	33	3F	40
17A	1	3B2	1	4F	26
1AB	12	1B2B	22	5F	6
2AB	13	2B2B	6	6F	4
3AB	10	1B2C	1	7F	1
4AB	5	2B2C	1	8F	2
5AB	1	1C	57	9F	1
9AB	1	2C	1	Checklog	126
1AC	17	1D	1,983	Total	4,929
2AC	33	2D	55		

Entries by ARRL RAC Section/Prefix

Section	Entries	Section	Entries	Section	Entries	Section	Entries
AB	19	MDC	91	OR	76	WI	95
AK	7	ME	31	ORG	62	WMA	31
AL	94	MI	140	PAC	11	WNY	88
AR	53	MN	101	PE	4	WPA	74
AZ	120	MO	110	PR	15	WTX	16
BC	46	MS	29	QC	33	WV	37
CO	108	MT	28	RI	23	WWA	131
CT	63	NC	173	SB	23	WY	14
DE	20	ND	14	SC	54	DX: LU — Argentina	3
EB	45	NE	18	SCV	63	DX: VK — Australia	1
EMA	69	NFL	87	SD	15	DX: PY — Brazil	1
ENY	64	NH	42	SDG	26	DX: LZ — Bulgaria	1
EPA	131	NL	4	SF	23	DX: TI — Costa Rica	2
EWA	38	NLI	46	SFL	42	DX: CO — Cuba	1
GA	108	NM	29	SJV	30	DX: HI — Dominican Republic	1
GTA	47	NNJ	64	SK	6	DX: DL — Germany	2
IA	56	NNY	15	SNJ	55	DX: YB — Indonesia	1
ID	43	NT	4	STX	153	DX: JA — Japan	7
IL	148	NTX	121	SV	57	DX: XE — Mexico	6
IN	108	NV	42	TN	138	DX: PA — Netherlands	1
KS	51	OH	209	UT	48	DX: ZL — New Zealand	2
KY	57	OK	49	VA	175	DX: HP — Panama	1
LA	35	ONE	61	VI	2	DX: YV — Venezuela	1
LAX	104	ONN	7	VT	19	TOTAL:	4,929
MAR	16	ONS	40	WCF	47		
MB	7						

**It was a GREAT Field Day and all went fine and it appeared all had FUN.
Only 6 more months until Field Day 2023. Start planning NOW.**

Portage County Amateur Radio Service - Field Day 2022

Call Used: **K8BF** GOTA Call: **KD8WZS** ARRL/RAC Section: **OH** Class: **4A**

Participants: **48** Power Source(s): **Generator, Battery, Solar** Power Multiplier: **2X**

Score Submitted: 10,076 + 1690 Bonus = 11,766

Score Summary:

	CW	Digital	Phone	Total	
Total QSOs	1059	612	1696	3367	
Total Points	2118	1224	1696	5038	X2 = Claimed Score = (not including bonus)

Bonus Points:

Description	Points
100% Emergency power	400
Media Publicity	100
Set up in a Public Place	100
Information Booth	100
NTS message to ARRL SM/SEC	100
W1AW Field Day Message	100
Formal NTS messages handled - No.=11	100
Natural power QSOs completed	100

Description	Points
Site Visit by invited elected official	100
Site Visit by invited served agency official	100
Educational activity	100
Youth Element Achieved	40
Submitted via the Web	50
Social Media	100
Safety Officer	100
Total Bonus Points	1,690

Band/Mode QSO Breakdown:

	CW		Digital		Phone	
	QSOs	Pwr(W)	QSOs	Pwr(W)	QSOs	Pwr(W)
80m	286	100	106	100	6	100
40m	507	100	183	100	1488	100
20m	258	100	239	100	181	100
15m	7	100	34	100	-	-
10m	1	100	2	100	1	100
6m	-	-	48	100	-	-
GOTA	-	-	-	-	10	100
Total	1059		612		1696	3367



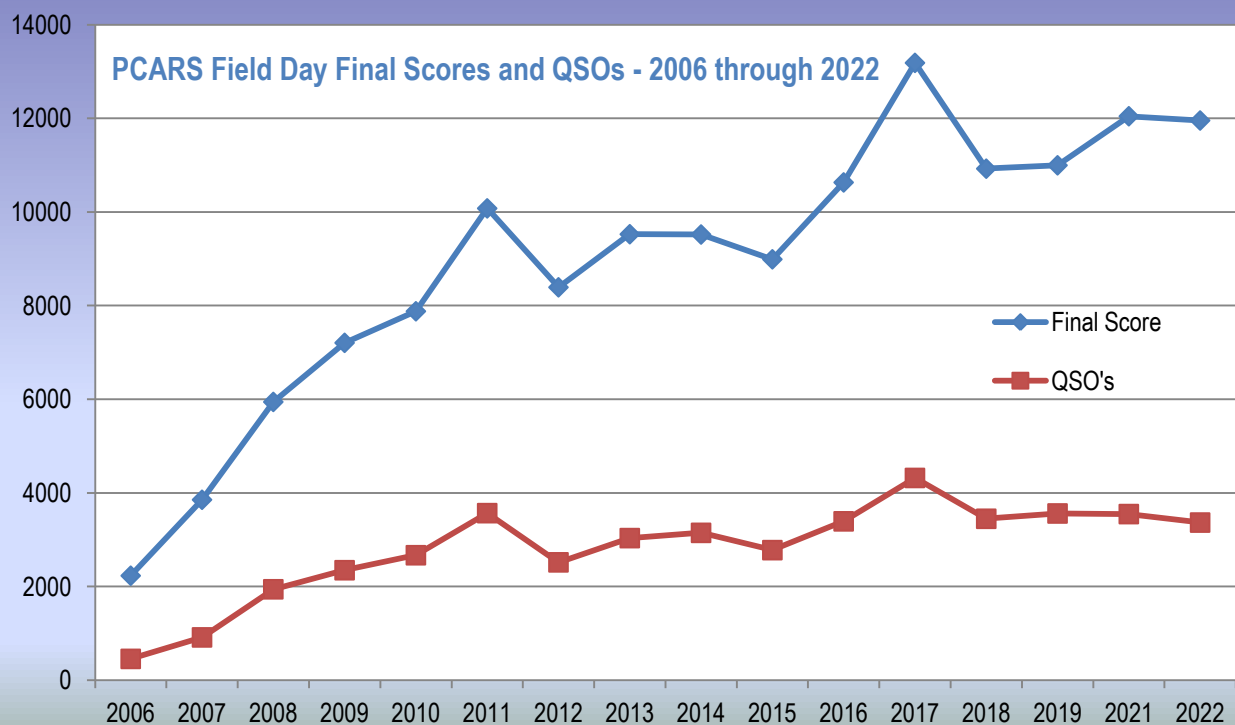
First K8BF Contact was logged at 18:00:04 UTC on Saturday by the **Flex Station** to N1TN in ME on FT8.
Last K8BF Contact was logged at 17:59:58 UTC on Sunday by the **40 Meter Phone Station** to W2OMU in NNJ.



Field Day - Past Field Day Comparisons

PCARS	Final QSOs	Final Score
2022 - K8BF	3,367	11,766
2021 - K8BF	3,548	12,046
2019 - K8BF	3,561	10,998
2018 - K8BF	3,448	10,926
2017 - K8BF	4,320	13,186
2016 - K8BF	3,393	10,632
2015 - K8BF	2,778	8,990
2014 - K8BF	3,147	9,520
2013 - K8BF	3,035	9,526
2012 - K8BF	2,517	8,392
2011 - K8BF	3,568	10,078
2010 - K8BF	2,669	7,880
2009 - KD8CKP	2,349	7,206
2008 - KD8CKP	1,942	5,944
2007 - KD8CKP	914	3,854
2006 - KD8CKP	455	2,232
16 Year Totals	45,001	143,276

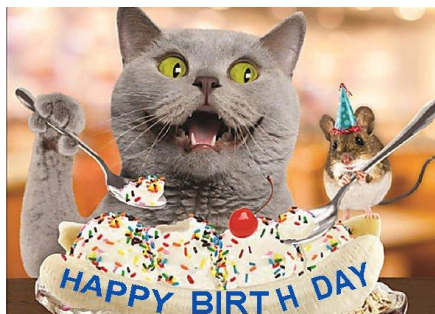
(includes bonus points)



Happy Birthday PCARS Members

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

N8AMY	Amy
KE8FNS	Bruce
N8XTH	Deron
K8IV	Ed
KA8TOA	Greg
KE8LWM	Holly
KB8UHN	John
K5JMS	John



FYAO 2022 Results

Chuck, W8PT
FYAO Chairman



FYAO (Freeze Your Acorns Off) was the first PCARS club activity we had 17 years ago. And we can proudly say that we have not missed having FYAO **every year** since it started. There were a few times when COVID was a concern and we moved the FYAO to a different date, but we managed to not miss having a FYAO **every year!!!**

Here's the tally for our annual Freeze Your Acorns Off event for 2022. We had **24 people** sign in as operators and guests. There were **five working stations** making contacts.

Final Scores:

First Place: Team AD8FQ (AD8FQ & AD8IR) = **2,468 points**
Second Place: N8QE = **2,004 points**
Third Place: Team AC8NT (AC8NT & KC8JC) = **1,566 points**
Fourth Place: Team K8PRC (KD8BBK, N8IVJ, KD8ENV, K8PRC) = **1,298 points**
Fifth Place: KD8CGH = **720 points**

Best Recipe Contest Winners:

First Place TIE: W8GPN - **Tim** (Chowder) & W8NET - **Gene** (Smoked Oyster Stew)
Second Place: AC8NT - **Jim** (Cherry Cobbler)

The FYAO 2022 Winners Certificates will be handed out at the January PCARS meeting.

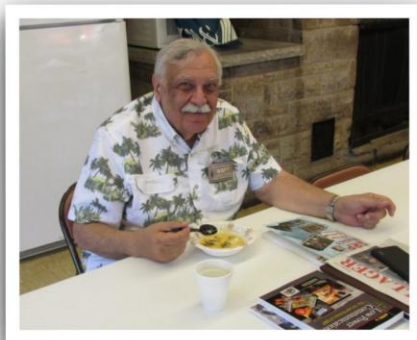


Nick, AC8QG bought 4 orders of General Tso's chicken plus steamed rice and egg rolls AND 3 pepperoni pizzas because he thought we might be low on food. So none of that counted officially (but he still gets a certificate !). The chicken was SPICY!!!! Mmmmmmm!



Start your plans now for FYAO 2023 - Mark your calendar: February 11, 2023 - see the flier in this newsletter





17th FYAO - Nov 6, 2022

Builds in the Planning for 2023

Jim, AC8NT



We are planning build and learning events for 2023 and we need your help. Below is a list of event ideas that we have talked about for 2023. Take a look and let me know if you would find any of them interesting. Also, if you have any other ideas for builds or training session let me know. All options will be considered.

Cable build - The purpose of this build is to provide training in how to make cables. We will be making coax (RG-8X or LMR-400 type coax) or PowerPole cables. For a small fee, the club will provide connectors for one coax and/or one PowerPole cable.

2 Meter, 70 Cm J-Pole build - Fun build constructing an antenna to get you on VHF or UHF. A kit will be available for purchase. The J-Pole is a great antenna.

Balun Build - Building one of a number of Baluns or Ununs including 1:1 or 4:1 current Baluns and a 1:9 Unun for EndFeds. Kits will be available for purchase will contain all the parts necessary for the building of your selected option.

Dipole antenna build - Build a single band dipole antenna for any band you choose or even an offset fed dipole for multiple bands. Kits will be available containing the required parts and wire.

Mobile Rig Installation - This session will provide useful information on the installation of equipment in a vehicle and help with actual installation in your car. You provide the equipment and we provide the help.

Extra Class Electronics Course - We have had a lot of our club members enjoy this class. **Free** to club members.

Smith Chart Class - This is another class that has been held with success in the past. **Free** to club members.

Introduction to Microcontrollers - This course will provide a basic introduction to Arduino and Raspberry Pi computer projects with a focus on ham radio projects. **Free** to club members.

Please take a few minutes and help us plan events fitting your interests and that you will attend. You can contact me at: AC8NT@j3solutions.com



**Merry
Christmas**

QSL Card Sorting in the 8th District

William, AJ8B
8th District QSL Card Sorter



General QSL Bureau Information - The 8th call area bureau operates as part of the ARRL's volunteer QSL bureau system. As such, the operating expenses are paid by the league's members, although the bureau service is open to all US hams whether ARRL members or not. If you are not a league member, and use the incoming bureau, won't you consider joining today?

The bureau is 100% volunteer staffed. Each bureau worker forgoes their time to provide a service to you and we want to provide the best service possible within the bounds of reasonableness and fiscal responsibility. If you will follow the guidelines listed here, you will receive better service and our volunteers will have time to enjoy other aspects of our hobby, etc.

The 8th district central bureau is located at the Voice of America Museum in West Chester where it is one of the permanent displays. It is a work in progress, but if you have a chance to visit the VOA museum, be sure to look for the bureau. We do not encourage "just stopping by to pick up your cards" as there is no one there to release them to you. In addition, the only cards at the central bureau will be those that have not been forwarded to the individual letter managers. The best time to visit would be when the West Chester Amateur Radio Association (<http://www.wc8voa.org/>) has their regular meeting, if you want a more detailed bureau visit. Specifically, the Bureau Address is: 8th Area QSL Bureau / P.O. Box 307 / West Chester, Ohio 45071-0307. The Bureau Manager is John (Jack) Shirley, N8DX (n8dx@arrl.net)

Overall, DX QSL bureaus sort cards based on call areas of the USA and regularly send boxes of QSL cards to the appropriate bureau. In our case, the 8th area bureau accepts the shipment of these boxes and then sorts them in to 26 groups, A through Z, based on the first letter after the number 8. At regular intervals, these 26 groups are delivered to the appropriate sorter who then furthers sorts them by call sign. For this to work, there are several things to pay attention to.

+ Do Not Send Your Outgoing QSL Cards to Us - We cannot process them; they will be sent back to you in your bureau envelopes. Outgoing cards should be sent to ARRL HQ. This includes cards for non-8th area US stations from any source, including any you may pick up from DX stations or bureaus on your out of US travels. You cannot use the ARRL bureau system to send cards to other U.S. stations within the 48 contiguous states--for contacts between U.S. stations. Any cards sent for U.S.-to-U.S. contacts will also be sent back to you using your bureau SASE. You may use the ARRL bureau system for DX stations who have a U.S. manager, such as VK0IR cards via W8XXX, or XE3/K8XXX via K8XYZ. If you send cards via the bureau to a manager, make sure you list the full call of the manager, not just via "W8 bureau." There is no way we can know who handle or manages cards for every DX station around the world.

+ Please Be Patient - QSL cards are rarely received by the bureau for contacts less than four months old. Most cards are for contacts made between a year and two years prior. Some cards come through the system as much as five years or more after the QSO. Some foreign bureaus send out cards only a few times a year. Most come by boat, which is very slow mail, indeed. There was a survey done of all cards received over a two-month period. Of those cards that had "TNX QSL" checked, less than 5% were for contacts within a year of the QSO. This means if the station you worked waited for your card before returning one, the minimum turn-around will be a year or more. Many DXers who are relatively new to DXing tend to work "big gun" or loud stations. These stations work many U.S. stations, and in most cases, wait for your card before sending you one. Those DX stations who answer your CQ are much more likely to send their cards first, rather than those whose CQ you answer.

Keep Envelopes on File with the Bureau. If you work DX at all, you should expect to receive bureau cards, especially if you work any DX contest. Do not forget that most SWL's send via the bureau as well. Unclaimed cards are the bureau's biggest problem. Send NON-clasp-fastening, end-opening envelopes. Unless you receive lots and lots of bureau cards DO NOT send more than three or four SASE (self-addressed stamped envelopes) at a time. DO NOT use envelopes smaller or larger than 5x7 or 6x9. Smaller envelopes will not hold some of the larger DX cards; larger envelopes won't fit in our files, are more likely to come apart in the mail process AND with current postage rates, cost more to use. Non-standard and padded envelopes may be returned to you empty. Padded envelopes are larger than 1/4 inch and incur a higher fee just like envelope larger than 6 x 9. Several of the letter managers are moving to or have implemented a cash

basis process for their letters. This has been done because of the frequent postage rate changes and the futility of trying to keep appropriate postage on the envelopes.

Most of our Managers have email access. If you have an email address, PLEASE INCLUDE IT whenever you write to the bureau or your Letter Manager. Make sure to include your email address when you send SASEs to the bureau or to your Manager as well. This will help us to communicate with you much more quickly than by conventional snail mail. If your email address changes, make sure you notify your Manager of the change.

Please DO NOT SEND USED ENVELOPES to the bureau. We will *NOT* attempt to use used envelopes. More than one trip through the postal system greatly increases the chance the envelope will come apart in the postal system, with the loss of your cards.

When you prepare envelopes for us, NEATLY print your call, in BLOCK LETTERS, in the upper left corner, in the place where a normal return address goes. Some people do such a poor job of writing their calls we need to look up the suspected call in the Callbook and match the name/address to make sure of the call. Certain letters can be especially troublesome -- like V and U, for instance. Take the time to make a very pointed V and a round or square bottom U. Keep this in mind when filling out cards to send via any bureau. It is a real headache for bureau workers trying to decide who the card really goes to; we don't want to guess which letter you really mean. Address each envelope to yourself in the center of the envelope. Remember, these are your cards. If we can't read your call or the postman can't read your address, you won't get them. If you have a change of address, send us address labels to cover your old address. Many people write so large, there is no room to write a change of address on their SASE.

If sending envelopes with stamps, affix enough postage to cover at least one ounce. currently, the post office is selling a "forever" stamp good for one unit of postage.

We do clear out all cards once a year. No matter how much postage on your SASE, and how few cards you have, once a year we will send you what you have. When postal rates go up, you should send extra stamps to cover the cost increase. Most people never think to send us extra postage when the rates go up.

+ NEVER put more than one call on an envelope - We cannot cross-reference upgrades, vanity calls, and family calls. Some of the Letter Managers live many miles apart. There is no way to share an envelope between two Letter Managers. If you send an envelope with SASEs for more than one call, make sure you include a note saying you have done so. We don't take the time to look at each SASE you send us. If there is no note pointing out the fact you've sent SASE for multiple call, we simply pass them on to the Letter Manager for the first SASE we see. You may include a self-addressed postcard which we will return, letting you know your SASEs have arrived safely.

PLEASE NOTE: If you expect to receive cards under more than one call sign, please keep separate SASEs at all the Letters or Bureaus where you expect cards to be received. We will not "forward" cards for one call to another letter manager within our bureau or to another bureau unless you provide the SASE. It is/was your call and your QSO, if you want the cards, provide the SASE.

Again, the normal mailing cycle for the bureau is about every four to six weeks. If you don't worry about us wasting your postage, put "mail every cycle" on the bottom of each SASE and we will send you what you have each time, without the need to fill your SASE to the value of postage you've placed on it. If you are a big gun contester, DXPeditioner, or manager of a very active DX station, and get a pound or more a month, you may request your Letter Manager to box your cards to save on postage. Don't send money for this via the bureau. This MUST be between you and your Letter Manager, with the check made out in his name. If he does not want to take the time to do it, and requests you just send him SASE, that is the way it will be. The volunteer Letter Managers have enough of a job, and it is up to them if they want to do more. Any money for this extra service must be between you and your Letter Manager, not the bureau.

On the other hand, if you do not want to receive bureau cards, please advise your letter manager that you do not want them. If you are the manager for a DX station, including your own DX operations, and do not want bureau cards for those operations, but do want bureau cards for your US to DX contacts, we will not return the DX cards to the originator. We will destroy them. Also, be advised, if you elect to pursue this scenario, we will not be responsible for destroying cards you wanted to receive and were accidentally destroyed. Remember, we are all volunteers and every special request takes volunteer time.

The Standard Operating Guidelines for ARRL QSL Bureaus states: "QSL cards on file which are unclaimed for a period longer than 90 days may be destroyed by the Bureau Manager (or Letter Manager) without further authority." PLEASE NOTE: Individual Letter Managers may elect to hold unclaimed QSL Cards for a longer period, at their discretion. Once we have made reasonable attempts to contact you that you have cards at the bureau and have received no correspondence (SASE) from you and destroyed your cards, we will make a note in our files and ***NOT*** contact you again. We will continue to destroy your cards on a continuing basis until we receive instructions to the contrary. You may consider this extreme but consider again that the biggest problem we have is unclaimed cards and the effort our volunteer letter managers expend trying to get them to the intended recipients. Before we destroy the cards, the following has occurred: A card has been sent, not at your expense, to your address of record, according to the FCC data base. (If that address is incorrect, you are not complying with the FCC regulations and are operating illegally!) In addition to the card, an email has been attempted using the address, <your-call>@arrl.net and/or any address in the various on-line callbooks.

1x1 calls: A new headache for the bureau are the new 1x1 calls being issued. You may do a good job of trying to tell each QSO to send the cards via N8???, but you can be sure some cards are going to come into the bureau with just the call N8?. There is no way for us to know who these cards go to if you don't supply SASE for these 1x1 special calls. It appears it is even more of a headache, since the same 1x1 calls will be re-issued to other special event stations, time-after-time. Make sure you list the time frame of the special event 1x1 on your SASE, so we will know who gets what cards. You had the 'FUN' of using the 1x1, you should follow through with the SASE.

Bureau Operating Procedures - The mail is picked up at the PO Box on a regular basis, approximately once per week. There may be as little as five pounds to as much as 200 pounds in a week. You can visualize this by thinking of a stack of QSL cards ranging from 9 inches high, to over 29 feet high, each week. At the central bureau we sort the cards into 27 piles - one for each letter of the alphabet according to the first letter of the suffix and one for miss-sorts from the other bureau, cards sent to the 8th area bureau that should go to the 9th area bureau, for example.

The cards are then conveyed to the individual Letter Managers. Some managers will personally pick the cards up from the central bureau every few weeks. Most are mailed via USPS or UPS every four to eight weeks, depending on volume. If you send a request for information to your Letter Manager via the Bureau address, it may have just missed the last pickup, requiring another six weeks to make it to your Letter Manager. It will save you time to check directly with your Letter Manager if you just want to check on the status of your cards and SASE.

Good cooperation between the DXer and the bureau is important to ensure a smooth flow of cards. Remember that the people who work at the bureau are all volunteers. At the peak of the last cycle, we handled **over two tons of cards a year**. In the trough of the cycle relatively few cards are received. We are on the downslide now. For that reason and with the implementation of Log Book of the World, you should expect card volume to begin to drop off.

With that in mind, please pay close attention to the above information, and the following **DO'S** and **DON'TS**.

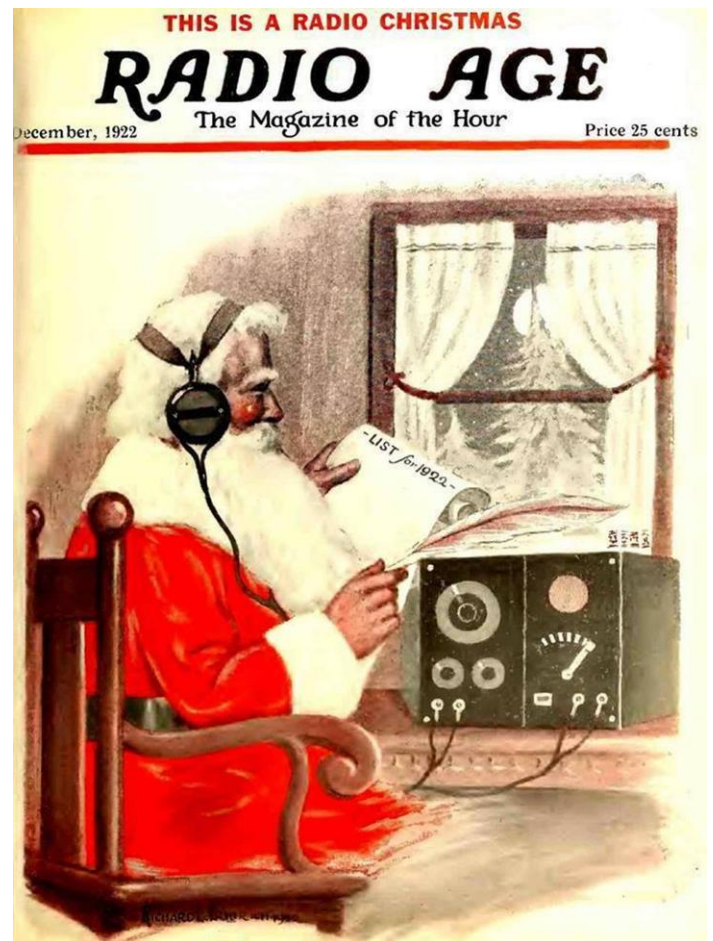
- **DO** keep self-addressed 5x7 or 6x9 envelopes on file with your call in the upper left corner. Affix at least one ounce of postage to each. After checking the Letter Manager list above, you may send your SASE directly to your Letter Manager.
- **DO** put your Call Sign on the outside of all envelopes containing SASEs or requests for information, sent to the Bureau or your Letter Manager. This will keep your envelope from having to be opened by Bureau Staff to determine where it should be forwarded.
- **DO** keep envelopes at all Letters and Bureaus where you expect to receive Cards. If you have had a call sign change, we have no way of forwarding your old cards to your new Letter Manager, so please have an SASE waiting at both the old and new call sign Letter Managers Bureau.
- **DO** include your E-Mail address with all correspondence to the Bureau or your Letter Manager.
- **DO** send the bureau enough postage to cover the SASE on file and enough to cover postal rate increases.
- **DO** respond quickly to any bureau request for more SASE or additional postage. Remember, unclaimed cards are the bureau's single biggest problem.
- **DO** include an SASE with any information request to the bureau.
- **DO** notify the bureau in writing if you don't want your cards.
- **DON'T** expect DX cards to arrive for at least a year after contact. Overseas delivery is very slow. Most cards are over a year old when received by the Bureau.
- **DON'T** send your outgoing cards to this bureau.

This is a picture of my “sorting desk” after Caption Jack delivers a box of cards for me to sort and send to the recipients. I am the “N” letter sorter which mean that I process QSL cards for hams whose calls are between AA8N and WY8NZZ! It does take time, but it is also very rewarding. Please follow the directions I have provided above. If you have any questions about any callsign, you can drop me a line - aj8b@arrl.net .

Letter	Sorter	Email
A	K3CTN	dbbrown624@gmail.com
B	WD8ANZ	wd8anz@arrl.net
C	K8CW	k8cwvk0cw@gmail.com
D	WE8HAM	we8ham@gmail.com
E	W8ERD	w8erdbob@gmail.com
F	NX8G	nx8g.01@gmail.com
G	K8MFO	k8mfo@aol.com
H	W8HC	w8hc@aol.com
I	K8IU	orville227@aol.com
J	K8AJS	jbastin1@me.com
K	K8KR	geokkr@yahoo.com
L	W8LTR	waltwitham@live.com
M	N8WD	n8wd@arrl.net

Letter	Sorter	Email
N	AJ8B	aj8b@arrl.net
O	NR8Z	nr8z@arrl.net
P	K8PYD	k8pyd@wowway.com
Q	K8DV	k8dv@cinci.rr.com
R	W8AV	w8av@aol.com
S	K8SJM	K8SJM@outlook.com
T	N8WGE	n8wge@arrl.net
U	K8UPR	k8upr@aol.com
V	AF8C	af8c@arrl.net
W	N8WGE	n8wge@arrl.net
X	N8DX	w8buro@gmail.com
Y	WB8YJF	wb8yjf@sbcglobal.net
Z	KB8ZYE	kb8zye@aol.com

From http://arrl-greatlakes.org/8th_bureau.htm



Skywarn Recognition Day - December 3rd



SKYWARN Recognition Day Set for December 3, 2022

The annual [SKYWARN](#)TM Recognition Day ([SRD](#)) on-the-air activity will take place Saturday, December 3, 2022, from 0000 to 2400 UTC. For US time zones, activity begins on the evening of Friday, December 2, 2022.

SKYWARN Recognition Day was developed in 1999 by the National Weather Service (NWS) and [ARRL](#) The National Association for Amateur Radio[®] to honor the contributions that SKYWARN volunteers make to the NWS mission -- the protection of life and property during threatening weather. During the SKYWARN special event, hams will operate from several NWS offices, as well as from their mobile, home, and club stations. "The relationship between amateur radio operators and the NWS is extremely important for relaying information during storms of any type," said ARRL Director of Emergency Management Josh Johnston, KE5MHV. "SKYWARN is a perfect example of the value of hams working together with government partners during times of disaster."



The SKYWARN Storm Spotter Program has been a mechanism used by the NWS for years to educate people on what to watch for during weather events and to provide a source for information to the NWS offices. Program courses provide information on reportable criteria for cloud formations, and even what to look for during the formation of supercells that may cause tornadoes or other potentially dangerous weather events.

For information about SKYWARN spotter courses, which are available to anyone around the country or online, visit <https://www.weather.gov/skywarn/>.

Individuals and NWS office amateur radio stations who are planning on operating for 2022 SKYWARN Recognition Day should register to participate.

All amateur radio stations and SKYWARN spotters that register will receive an SRD number to their email address once registered. Information about participating, registration, and a Spotter Recognition Map is available at <https://www.weather.gov/crh/skywarnrecognition>.

In-person amateur radio operations will be determined by each local National Weather Service Forecast Office. Amateur radio operators must make all necessary inquiries with the appropriate NWS staff at your respective National Weather Forecast Office ahead of SRD.

Look for station WX1AW, operated by ARRL Emergency Management Assistant Ken Bailey, K1FUG, during SRD. WX1AW will be active on 40 thru 10 meters using SSB and FT8 Modes and will monitor local VHF and UHF repeaters. Contacts will be uploaded to LoTW after the event. QSL via the station license address with a SASE (self-addressed-stamped-envelope).

More information is available at www.arrl.org/skywarn-recognition-day.





Brian, N9ADG

From the ARRL

Conversation

Caution! Human Contesting!

If you've been in any phone contest, you've likely heard a station provide their exchange starting with "please copy," "copy," "my exchange for you," or other words that aren't strictly part of the exchange. Because it's not a necessary part of the exchange, some operators on the receiving end of a PC (please copy) exchange vehemently want to stamp it out, eliminate it, remove it, unhear it. Some even claim they'll not work anyone using PC exchanges.

I have a confession to make - I don't particularly enjoy the verbal empty calories of PC exchanges either. But after having lent my ears to a full weekend of ARRL November Phone Sweepstakes, **I am not here to bury the exchange, but to praise it.** I would estimate that more than 80% of the exchanges I received had some variation of the PC message. I would rather have those contacts in the log than not at all.



While running, I was glad to help some new operators through the exchange when they called. They were brave enough to try a contest with a difficult exchange -- something that's daunting even for some QCWA-qualifying amateurs. Could there be a stronger signal of contester tendencies? If these newbies had a pleasant experience, maybe they'll be in the contest again next year. While searching and pouncing, I found a number of M category stations, where the aurally young operator was being coached by someone in the background. Occasionally, I heard the PC phrase being used. It's on the control operator coach to provide the right guidance, but also consider that they had somehow convinced that person to be in the seat giving out bits of information to strangers. I think I can overlook a few PC

words, and hearing young operators was heartwarming.

It's amateur radio, not professional radiosport. We're supposed to be having fun contesting, and different operators have different goals. Some want high rates, some just want to get a clean sweep, and some want to hand out a few contacts from a rare Section. If more operators also means more PC language, I'll take it.

In my view, a win is to make a lot of contacts, to improve your contesting skills, to distill the exchanges down to just the necessary syllables over time, and to have fun doing it year after year.

Happy Thanksgiving!

That's all for this time. Remember to send stuffing recipes, alternative uses for leftover turkey, contesting-related stories, book reviews, tips, techniques, press releases, errata, schematics, club information, pictures, stories, blog links, and predictions to contest-update@arrl.org. 73, **Brian, N9ADG**



SWL Information

Scott, N3RA



Here are some links to helpful links to various SWL (Short Wave Listening), AM (medium wave), FM and TV DX'ing sites and resources. Some hams are interested in these areas or started out doing SWL for instance. Others have shown an interest. I thought I would send this out to share with all of you.

AM Radio DX'ing intro - <https://www.dxing.com/amband.htm>

SWL Intro - <https://www.dxing.com/swlintro.htm>

FM & TV DX'ing - <https://www.dxing.com/tvfmidx.htm>

Great site for DX info of all kinds. - <https://www.dxing.com/index.html>



Another great site for Medium Wave (AM) & FM DX'ing - <https://www.dxcentralonline.com/>

Home of the National Radio Club, world's largest Medium Wave club. <https://nationalradioclub.org/>



FB group for FM/TV DXing - <https://m.facebook.com/groups/175722809234221/>

The Worldwide TV-FM DX association is the only Radio hobby club in North America that caters to the TV and FM DXer, as well as those who DX 30-50mhz - <https://www.wtfda.org/>

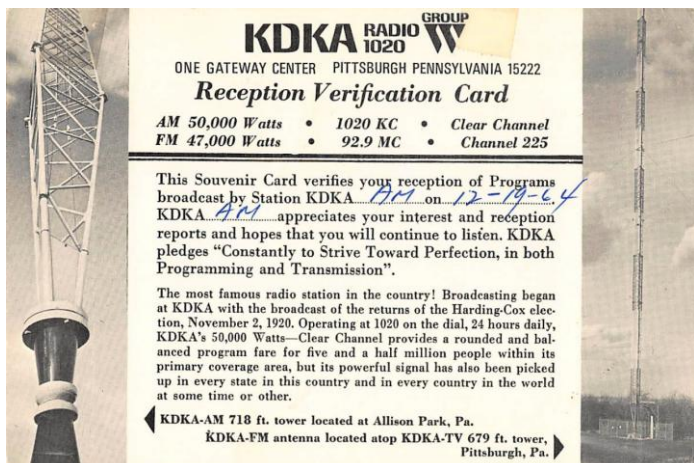
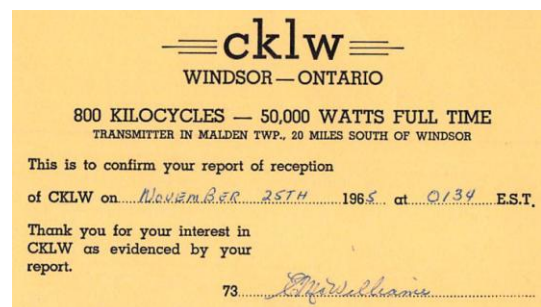


FM Radio DX Club in VA - <https://fmradiodx.wordpress.com/sections/about-dx/>



SWL and MW DX site - <https://swling.com/blog/>

Medium Wave FB page - <https://www.facebook.com/groups/mwdx.club/?mibextid=HsNCOg>



Words from our Treasurer

Greg, KA8TOA

Hi Everyone

I would like to Thank everyone who has paid there 2023 dues for PCARS. This has been a very interesting job and I am still trying to streamline a few things. We will have a budget for next year. I want to especially thank the Board for helping me thru this process and it is coming together. Paul KE8EGF, Jim AC8NT and John WG8X have been a big help.

We sent a donation check to the DX Youth organization for \$ 500.00 voted on by the board, along with paying for some repairs at the Club Site. So our dues are at work.

I personally think this is a great Club, We have a lot knowledgeable members who are willing to help others and a great contesting group run by Chuck, W8PT. We also have great volunteers willing to work at the club site for cleanups and working on Antennas. We are committed to helping the youth for our hobby and continued growth of the club. Again thanks for helping the club and giving me a chance to continue as Treasurer.



PCARS IO Group

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

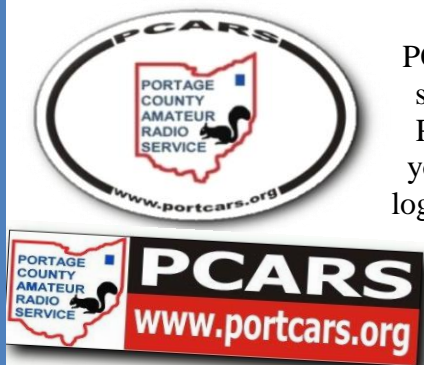
Check out the PCARS IO Group at:
<https://groups.io/g/PCARS>



Two things every member should do.

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

PCARS Patches & Stickers



PCARS logo patches (iron on) & stickers (stick on) are now available!! Put the patch on your hat, your shirt, your jacket and show off that PCARS logo!! The patch is about 3". The

embroidery on the white patch is in Red, Black and Blue. Cost for a patch is only \$2.00 each and can be obtained at any PCARS meeting. There are 2 types of stickers available - a 4" x 6" oval and a 3" x 10" bumper sticker. Stickers are \$1 each. Show your pride in PCARS - Wear a patch, use the stickers! See the club Treasurer:

Greg, KA8TOA or e-mail him at: Treasurer@portcars.org



FOR SALE

WANTED

FOR SALE

WANTED

FOR SALE

FOR SALE: Cushcraft A50-5S 5 Element, 6 Meter beam. This has been on my tower for about 5 years. I'm changing up the antenna system, and have no use for this beam. It is due to come down on November 26th. \$125.00.

Contact: John Myers, WG8X at john@wg8x.net, or 330-936-5021 [02/23]



FOR SALE: Palstar LA-1K solid-state amplifier with **Palstar HF-Auto** tuner \$4000, **Collins S-Line (R/E)** 75S-3C receiver 32S-3A transmitter 312B-4 speaker console / wattmeter, 516F-2 P.S. all restored with **(INRAD filters)**. \$3000, **Swan 600 Custom receiver & 600T transmitter (rare)**, **digital readout** \$1000, **QRP A.M. Transceiver** for 75 / 80 meters Class-E modulation - \$100, **RIGOL DM3068** service bench DVM - \$400, **Palstar speakers SP-30B** (cherry) & (black) - \$75 each. All are in service everyday including manuals, service notes, tubes, microphones etc.

Contact: Jeff, WA8SAJ - home phone at (440) 9516406 [02/23]

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

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

FREE to the First Caller: HP Remanufactured Cartridges: 901XL Black 901 Color.

Both are still in their original packaging.

Contact: Joe, W8KNO at 330-569-7718 [01/23]

FOR SALE: from K8IG (non-smoking shack). Ameco PT-3 preamplifier (\$90.00); Collins KWM-380 Serial #314 (\$3,200); Collins 75S-3b Serial #16972 (services by WA8SAJ) (\$950); Collins 312b-4 Serial # 314 (\$350); Cushman Service Monitor Serial # 526 (working) with 450-520 module (\$75 for both); Drake MN-2000 Serial 1758 (\$300); Hallicrafters SX-28 Serial # HA 22214 (\$450 working but with defects); Hallicrafters SR-46 (\$275); Johnson 122 VFO (\$125); Lab Volt AA792F 20 MHz scope with probe serial # 1060178 (\$25); LDG AT-1000 Autotuner (\$350); LDG AT-1000PROII (original Owner) with 1K meter (New unit replaced with Palstar AT2K due to K7DYY sensitivity) (\$550); MFJ - 616 Speech Intelligibility Enhancer (\$125); Nye Viking Antenna Tuner MB-V-A 3KW, Serial # 10066 (\$450); Palstar PM2000am mobile wattmeter Serial # 26015 (\$150); Swan Cygnet 300 B Serial # 18547 Transceiver (\$450); West Mountain Rig Blaster Plus (\$25); West Mountain Rig Blaster PRO (\$25); Web cam and mike (new) (\$30/both); YAESU YO-301 Monitor Scope with manual (\$250). Hallicrafters SX-28 (2 available) for parts (\$50) each. Dozens of boat anchor test equipment pieces (B & K, Boonton, Davenport, General Radio, HP, Heathkit, Hickok, Measurements, Rutherford, Sencore, Tektronix) available for very low \$ to free.

All equipment working unless noted otherwise. Local pickup in Mayfield Village.

Manuals for most equipment. Pictures available on email request.

Contact Fred, K8IG at K8IG@arrl.net; call 440-446-8000 or text 440-668-2400 [01/23]

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

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

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

[01/23] indicates the ad will run until the end of January 2023.



Hamfest Calendar



Here are the current listings of local hamfests. Please note that all are **subject to change**. Stay current by checking the sponsoring club's web page before making your travel arrangements.

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05/19, 20, 21/2023 - Dayton Hamvention® - Location: Greene County Fairgrounds and Expo Center - 120 Fairgrounds Road - Xenia, OH 45385 - Website: <http://Hamvention.org> - Sponsor: Dayton Amateur Radio Association - Public Contact: Jim Gifford, KD8APT - PO Box 964 Dayton, OH 45401 - Phone: 937-276-6930 - Email: Media@hamvention.org

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07/08/2023 - Mansfield Trunkfest 2023 - Location: Richland Co. Fairgrounds - 740 N. Home Road - Mansfield, OH 44901 - Website: <http://iarc.club> - Sponsor: Intercity Amateur Radio Club - Public Contact: Danny Bailey, W8DLB - 104 East Thrush Ave. Apt. H Crestline, OH 44827 - Phone: 567-899-3881 - Email: w8dlb60@gmail.com

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Hamvention® 2023 Theme

Michael, W8CI
Hamvention Spokesperson



The Hamvention® team is pleased to announce the HV23 theme.



Innovation!

This is an exciting theme because we are confident it encompasses the world of Amateur Radio today in just one word. There are so many exciting innovations worldwide in Amateur Radio; we want to capture the spirit and expect to see many of these throughout the coming year, as well as presented at HV23. Will you be involved in an “**Innovation!**” with us?



PCARS Thursday 2 Meter Nets

Greg, KA8TOA
Net Control Coordinator



Thank you all for helping with this! Anytime you are unable to take the net, please give me as much advance warning as possible! **Check-in using the receiver located in Sugar Bush Knolls ~ 146.895 with a PL tone of 118.8. We also use EchoLink node K8BF-L**

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

Thanks to all of you for helping out.

I am in desperate need for some net operators to run the Thursday night nets. It really is not that hard and it is fun, along with good training if you are ever needed for emergencies. I know we have been low on check-ins for the past couple of months. The commitment is only for once a month and this club is worth that. If anyone has ideas for the club, please do not hesitate to speak out at meetings or on nets or call or write. We appreciate the input. For now 73 and have a great December.

December	
1	KA8TOA
8	WB8LCD
22	KA8TOA
29	K8YLK

January	
5	
12	
19	
26	

February	
2	
9	
16	
23	

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



Antenna Special Interest Group

Bob, N8QE
Digital SIG Coordinator



Tuesday January 17th at 7:00 PM

The meeting will be in-person at the club site and also available via Zoom

Join Zoom Meeting

<https://us02web.zoom.us/j/87220356586?pwd=czgvLzRPejVBT2hPSkVIZU1VaU84Zz09>

Meeting ID: 872 2035 6586

Passcode: PCARS2022

The Antenna SIG meetings are open to all PCARS members and guests. All ham radio operators or anyone interested in Amateur Radio are also welcome to attend.

We will be discussing all aspects of antenna design, construction, test equipment, and experimentation. Everyone is welcome to join the discussion, and talk about their projects with the group.

During the November meeting Jim Wilson, AC8NT did an excellent hands-on presentation of useful rope knots and rope hitches for Amateur Radio use. You can find more information on these knots at the www.animatedknots.com website.



Charlie the Tuner's HF High-Lites

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



Greetings DXers

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

Let's see...last month I was reporting that we were having a brief Summer break with mild temps. Well.....as I write this it's 20 degrees and snowing. NE Ohio...what can we expect. I hope that any outside projects you had are now complete or are waiting for Spring to roll around. That's the case here. Although, I will be working on any mild days to move Tower 2 further along. Let's see what's going on regarding the bands and DX.

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster the AB5K's AR Cluster Networks, NJ1Q & W1AW, NG3K & ADXO, W3UR & The Daily DX, W4VQ, WB6RSE, W8HC, K8YSE, W8GEX & 60m DX News, AJ9C, DL1SBF, DL5ON & The DX News Letter, DXNews.com, DX-World.Net, F6AJA & Les Nouvelles DX, I1JQJ/IK1ADH & 425 DX News, OH2BH, 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.

December...

3D2/R, Rotuma Is. Tony, 3D2AG will be active again as 3D2AG/p from Rotuma Island (OC-060). He expects to be QRV until 20 December. He hopes to operate CW, SSB, RTTY and some FT8 on 160-6 meters, with a focus on the higher bands (15, 12 and 10m). QSL via Club Log's OQRS (please note that as he will have no access to the Internet while on Rotuma, he will upload his log when he returns home).

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

6Y, JAMAICA. (Reminder) Les, W8YCM, will once again be active as W8YCM/6Y from Negril Beach, Westmorland Parish, Jamaica, starting November 27th, lasting until sometime in January 2023. He will also be active as 6Y8LV between December 1-11th. Activity is holiday style (his annual vacation) and mainly on SSB (watch 17 meters). QSL via his home address only. **NO Bureau or electronic QSL.**

A722/A71-A78, QATAR (Special Event Reminder). Look for the following special event stations to be active during the FIFA World Cup (FWC) Qatar 2022 until December 18th:

1 - A722FWC to be used at the headquarter of QARS and the Fans Zones at Doha Cornish.

2 - 8 different stations to be known as World Cup Stadiums :

A71FIFA (Albayt Stadium) A75FIFA (974 Stadium)

A72FIFA (Lusail Stadium) A76FIFA (Thumama Stadium)

A73FIFA (Education City Stadium) A77FIFA (Khalifa Stadium)

A74FIFA (Ahmed bin Ali Stadium) A78FIFA (Aljanoob Stadium)

A special award is available for working 5 stations of those special events stations on 5 different bands using mix modes or single mode. QSL route: direct via QRZ Via QARS Bureau. Logs will uploaded to LoTW once all office work is done and the event ends.

C9, MOZAMBIQUE. (Reminder) Jean-Louis, ZS6AAG, is now active as C96JLH from Nametil, Mozambique. His length of stay is unknown, but his license is good until December 31, 2026. Jean-Louis is there working for Médecins Sans Frontières (Doctors Without Borders). Activity has been on the QO-100 satellite, but he has been also known to be on 20 meters FT8. QSL via his home callsign or eQSL.

CN, QATAR. Celebrating the 22nd edition of the FIFA World Cup to be held in Qatar, the Association Royale des Radioamateurs du Maroc (ARRAM) will operate special callsign CN22CWQ until 20 December.

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

H44, SOLOMAN IS. Remo, HB9SHD will be active as H44SHD from Uepi Island, IOTA OC - 149, New Georgia Islands, Solomon Islands, 5 - 19 December 2022. He will operate on 160 - 10m. H44SHD QSL via home call. He will also use H44SHD call from MV Bilikini, 20 December 2022 - 3 January 2023. QSO from MV will not count for DXCC.

HC, ECUADOR. John, N9EAJ, announced on QRZ.com that he will once again be active as HC1FIT (if renewal is possible) from Otavalo, Ecuador, between December 29th and January 18th (2023). John states on QRZ.com [edited], "I plan on operating from (if able to receive license) same location as last time only with different antenna - hopefully better results." John will be active mostly on SSB with perhaps some slow CW on 40-10 meters, using a Kenwood TS-590SG transceiver. QSL via N9EAJ direct, ClubLog or LoTW.

PA22/PD22/PD23, THE NETHERLANDS (Special Event/Early Announcement). Look for the following special callsigns to celebrate the Christmas and New Year holidays: PA22XMAS, PD22SANTA and PD23HNY. Callsigns PA22XMAS and PD22SANTA will be active between December 1-31st, and PD23HNY until half of January 2023. There will not be any QSL cards for the Dutch Christmas stations, only a special award. Work the at least 2 Dutch Christmas stations and download the award on QRZ.com!

RI1, ANTARTICA. Alex, RG1A will be active as RI1ANC from Vostok Station, Antarctica, 10 December 2022. He will operate on HF Bands. Recent DX Spots RI1ANC QSL via RN1ON.

TR8, GABON. Roland, F8EN ex CN8EM, FO8BV, 3C3CR, TR50R will be active again as TR8CR from Gabon, 29 December 2022 - 15 March 2023. He will operate on 30 - 10m, CW. Recent DX Spots TR8CR. QSL via F6AJA.

VK9N, NORFOLK ISLAND. Marcelo, ZL1MTO, will be active as VK9MTO from Norfolk Island (OC-005) between December 29th and January 5th (2023). Activity will be holiday style (very limited) on 20/10 meters using SSB and FT8/FT4, with an Icom IC-718 into half-wave dipole. Marcelo states on QRZ.com, "I cannot provide a schedule because operation times may vary from day to day. This is not a DXpedition. I am just going to be on holiday and will be active whenever possible." QSL via ZL1MTO, direct or LoTW. Special paper QSL will be issued with 5 USDs via Paypal.

VU, INDIA. Datta, VU2DSI active once again as AU2JCB until 13 Dec to commemorate the birthdate (30 November 1858) of Indian physicist and radio pioneer Jagadish Chandra Bose. He will operate SSB (3710, 7040, 7150, 14210, 14250, 14310, 21235, 21310, 21350, 28490, 28510 and 28545 kHz) and FM (29700, 50800 and 51500 kHz). QSL direct to home call. Also QRV are expected to be AU3JCB (operated by VU2EVU) and AU5JCB (operated by VU2XPN).

That's it for this month. Have a very Merry Christmas and a Happy and safe New Year. See you in 2023!!





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



PCARS Ham Radio License Plates Wanted !!! PLEASE !!

Dig out that amateur radio call sign license plate (with your present call sign), clean it up and bring it to be permanently affixed to the wall in the PCARS club station.

We have 75 PCARS member's ham plates now, **but we can use more**. Don't have ham radio call plates on your vehicle? Well for those of you in Ohio, you can get the plates sent to you by going to any License Bureau office and filling out the special plate registration form. Have a copy of your current FCC license when you apply. The official form to obtain your Ohio Amateur Radio license plates is on the PCARS IO Group site. Then you'll have an old plate to bring in to get hung up as a **permanent part of PCARS history**.



From the Ohio BMV:

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

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

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

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

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

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

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

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

PCARS is on YouTube

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



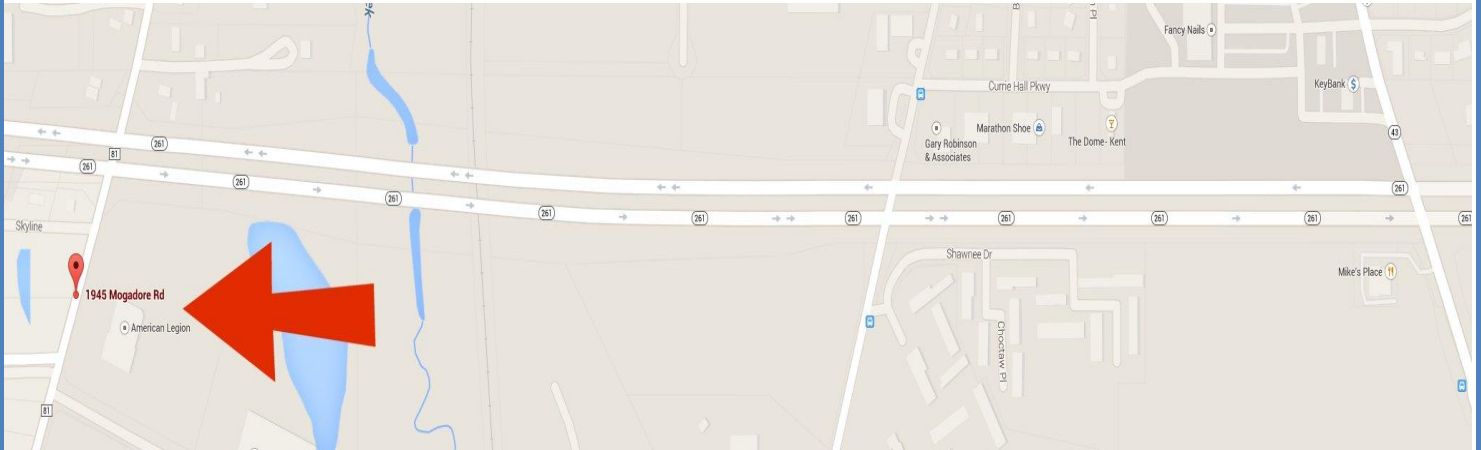
PCARS Meetings

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



CHECK WEBSITE FOR UPDATES ABOUT IN-PERSON MEETINGS

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



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



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

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

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



PCARS VE Testing Information & News

Tom, KB8UUZ
PCARS VE Team Liaison



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

Masks are encouraged.

Future Dates: 2023

February 4th, April 1st, June 3rd, August 5th, October 7th, December 2nd

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

If you have any questions, don't hesitate to contact me at KB8UUZ@gmail.com On behalf of the VE team at PCARS, we all look forward to seeing you at the PCARS club site in Ravenna so you can take your license test. Face masks are not State/County mandated at this time, but you are always welcome to wear one.

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

QUICK FACTS

- **Yes**, PCARS VE test Sessions are held at the club site in Ravenna starting at 10 am - see schedule.
- **Walk-Ins are accepted.** Would appreciate an email to KB8UUZ@GMAIL.COM if you plan on attending.
- You **MUST** have an **FRN Number** (SSNs no longer accepted)
- You **MUST** have a **valid e-mail address** for the FCC to be able to contact you.
- **Picture ID required**
- **Original and Copy of your valid FCC license** and originals of any applicable CSCE
- **Taking Technician Test?** - You **MUST** apply for your FRN and get it prior to testing.
- **VE fee is \$15** - Cash or Check payable to "ARRL-VEC"
- **Under 18 years old? VE Fee is \$5** per the ARRL reduced CE fee Youth Program
- **FCC License Fee \$35** - payable after FCC send you a link. **DOES NOT APPLY** to upgrades.
- **Under 18? ARRL will reimburse you the \$35 FCC Fee.**

Okay - now all the Details:

- **You must have your FRN prior to taking an exam** - No SSNs will be used on the Form 605 anymore.
- If you are sick, have a cough, a high temperature or have been exposed to COVID-19 or someone that has been infected - please, *do not* come to the club site. *Use of masks is still encouraged.*
- No food or snacks allowed.
- \$15.00 Fee Payment will only be by check or exact change. We cannot make change
- If paying by check, make check out to: "ARRL-VEC" The VE Fee is \$15.00 (see below)
- Ensure you have the following:
 - A picture ID such as a valid Driver's License, State ID, School ID, or US Passport.
 - If you are under 16 years of age, a parent or guardian must be able to vouch for you and you need a copy of your birth certificate (you do not have to give us a copy, we just have to see and verify).
 - **FCC is requiring you have your e-mail address on the Form 605.**
 - **If you are taking a Technician test you must have your FRN number** (you can apply for an FRN on the FCC website). For hams having a license, your FRN is printed on your license.
 - **If you are upgrading to General or Extra - You MUST bring your original valid amateur radio license and a copy of your valid amateur radio license to turn in with your Form 605.**
 - Bring your own pencils and pens.
 - Calculators are okay to use (if you need one) as long as the memories are cleared.
 - NO cell Phones allowed



Any questions? Contact KB8UUZ@gmail.com

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

Additional Information - What to Bring to the Testing Session

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

These documents may include:

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

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

ARE YOU GOING FOR YOUR TECHNICIAN LICENSE? READ THIS IMPORTANT INFORMATION

First-Time Exam Applicants MUST Obtain FCC Registration Number BEFORE Taking Exam

As of **May 20, 2021**, all amateur examination applicants are **required** to provide an FCC Registration Number (FRN) to the Volunteer Examiners (VEs) **BEFORE** taking an amateur exam. This is necessary due to changes the FCC has made to its licensing system. Applicants will create an FCC username and account, respond to the verification email from FCC, and then register for the FRN. Register on the FCC's Commission Registration System (CORES): <https://apps.fcc.gov/core/>

Email Addresses REQUIRED

As of **June 29, 2021** all applications will be required to contain an email address for FCC correspondence. Applicants will receive an email direct from the FCC with a link to the official electronic copy of their license whenever a license is issued or changed. ARRL VEC suggests that those without access to email use the email address of a family member or friend. Licensees will be able to log in to the ULS using their FRN and password to download the latest version of their license at any time. The FCC no longer provides paper license documents.



New FCC \$35 Amateur Application Fee

March 23, 2022 - The FCC released a [Public Notice](#) stating that the amateur radio application fees, including those associated with Form 605 application filings, would become **effective on April 19, 2022**. The Federal Communications Commission's authority to impose and collect fees is mandated by Congress. **April 4, 2022** - The Federal Communications Commission (FCC) staff has clarified in response to an ARRL request that the new \$35 application fee will **not apply** to most license modifications, including those to **upgrade an amateur radio licensee's operator class and changes to club station trustees**. The FCC staff explained that the new fees will apply only to applications for a new license, renewal, rule waiver, or a new vanity call sign. As previously announced, the new fees took effect on April 19, 2022.

VECs and Volunteer Examiner (VE) teams will not have to collect the \$35 fee at exam sessions. New applicants will pay the \$15 exam session fee to the ARRL VE team as usual and pay the \$35 application fee directly to the FCC by using the CORES FRN Registration system.

When the FCC receives the examination information from the VEC, it will email a link with payment instructions to each successful candidate. The candidate will have **10 calendar days**, from the date of the application file number being issued, to pay. After the fee is paid, and the FCC has processed an application, examinees will receive a second email from the FCC with a link to their official license. The link will be good for 30 days.

Additionally, the FCC stated that applications processed and dismissed will not be entitled to a refund. This includes vanity requests where the applicant does not receive the requested call sign. However, returned applications that are missing information will not require an additional fee, if the missing information is given to the FCC within the proper amount of time.

Youth Licensing Grant Program

The ARRL Youth Licensing Grant Program, in effect since April 19, 2022, will cover the one-time \$35 application fee for new amateur radio license candidates younger than 18 years old for tests administered under the ARRL Volunteer Examiner Coordinator (VEC) program. "We are thrilled that we are able to provide this opportunity to our youth candidates," said ARRL VEC Manager Maria Somma, AB1FM.

The \$35 Federal Communications Commission (FCC) application fee will be reimbursed after the ARRL VEC receives the

completed reimbursement form and after the new license has been issued. The reimbursement check will be mailed to the fee payer. Also, candidates younger than 18 years old would pay a reduced exam session fee of \$5 to the ARRL VEC team at the time of the exam. The \$5 fee is for all candidates under the age of 18, regardless of the exam level taken. Proof of under 18 status is required at the session.

The ARRL Board approved the Youth Licensing Grant Program at its July 2021 meeting in Hartford, Connecticut, expanding on the scope of the original motion proposed by ARRL Southeastern Division Director Mickey Baker, N4MB.

The Board believes the recruitment and training of young amateur radio operators is a necessary and proper mission of the ARRL and subsidization of the \$35 fee will reduce the number of new amateurs that would otherwise be lost from these groups. Initially the new program would serve up to 1,000 new license applicants under 18 years old. The program length is indefinite; it may be renewed or terminated by the Administration and Finance Committee or by the Board of Directors.

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

=====

ARRL VEC Application Fees webpage: <http://www.arrl.org/fcc-application-fee>

ARRL News Story: <http://www.arrl.org/news/new-amateur-radio-license-applications-fee-to-become-effective-april-19-2022>

FCC Registration: <https://apps.fcc.gov/cores/userLogin.do>

The Federal Communications Commission (FCC) retired the [Legacy version](#) of its **COMmission REgistration System (CORES)** on July 15, 2022. CORES is the FCC's public-facing database that enables and tracks certain types of FCC and FCC applicant actions, including amateur radio applications and licenses. Its implementation has enabled routine amateur applications and licenses to be issued overnight instead of over weeks, as was the case with earlier methods. The [updated version of CORES](#) is now available. (<https://apps.fcc.gov/cores/userLogin.do>)

=====

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

INFORMATION ABOUT THE FCC APPLICATION FEE AND VEC FILED APPLICATIONS

The FCC application fee was implemented on April 19, 2022. Here's what we know so far...

1. MAKE SURE EXAMINEES UNDERSTAND THEY MUST PAY WITHIN 10 DAYS.

Examinees do NOT have to wait for the email from the FCC to pay the fee. As soon as an the application file number is issued by the FCC, they can pay by logging into the CORES Payer FRN System (easier to use but only temporarily available) or the CORES FRN Registration system (CORES - Login).

Application File Number search using an FRN: [FCC Application File Number Search](#)

CORES payment system background information and instructions: [Information](#).

CORES step-by-step payment instructions: [FCC Application Fee Instructions](#)

2. The FCC help center stated there is a known issue with individuals paying the \$35 application fee via a smart phone or tablet. This is not a new issue and they haven't been able to help troubleshoot the issue at the support center. Encourage candidates to login and pay the FCC application fee from a computer.

3. Examinees should NOT amend any applications that a VEC submits on their behalf, especially NEW license applications. Amending VEC filed applications will cause the application to be dismissed without action in the FCC system and potentially require the applicant to pay another \$35 fee. If there is a minor mistake on the application, either call us and we can correct and resubmit the application, or the individual can pay the fee, be issued the call sign, and then log back in and make corrections.

4. Individuals should review their application BEFORE paying the fee. If there is a major error on the application, such as the licensee's name or license class earned is incorrect, or the answer to the felony question is wrong, DO NOT PAY the fee. Call the VEC immediately.

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



Photos from the November PCARS Meeting



November 14
2022



Portage County Amateur Radio Service, Inc.



PCARS - K8BF

18th Annual

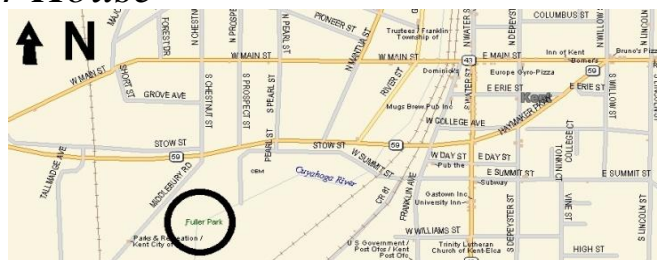
"Freeze Your Acorns Off"
(FYAO) Special Event Station



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

When: *Saturday - Feb. 11, 2023*
Set up: 9 am

Operating Time: *10 am - 3 pm EST*



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



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

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



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



Just For Fun

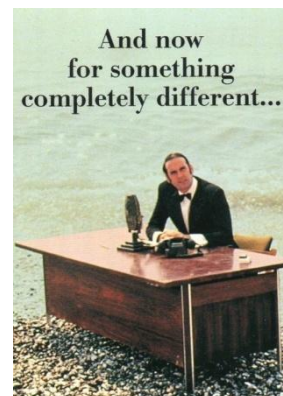
From Paul, NO8D

<http://andrewmarsh.com/apps/staging/sunpath3d.html>

This is a really interesting site. Search for your QTH. Then run the animation. Observe the twilight [and other] zones on the lower left

He has a LOT of very interesting items on his site. (<http://andrewmarsh.com/>)

This one (<https://drajmarsh.bitbucket.io/weather-data.html>) is also interesting. Load your weather station location file from the map - I picked Burke Lakefront and then scroll through the representations of the data [bottom right]

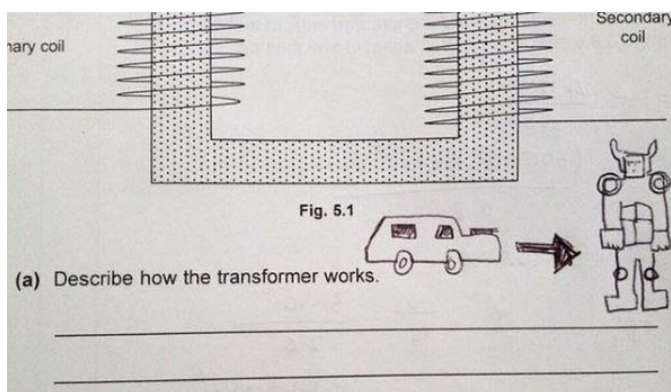


From Scott, N3RA



Found on the Internet

No, this is not on an amateur radio license exam



SO GLAD I GREW UP



DOING THIS



NOT THIS

CAUTION

Operating the newer digital modes (FT8, etc.)
Can Cause Problems



Thanks & 73



Parky, KB8UUZ
PCARS Newsletter Editor



I really appreciate the help in gathering material to keep this newsletter number one. Without your help we would not have received the newsletter awards in past years. All of our members (and others) look forward to getting this newsletter every month, so keep sending those inputs! I'm sure you know PCARS is known as the **BIG FUN** amateur radio club. So chip-in and send your article in to keep this newsletter great during 2022 and beyond.

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

AC8QG, KA8TOA,, KB8UUZ, WB8LCD, W8PT, AC8NT, AJ8B, N9ADG, N3RA, W8CI, N8QE, NO8D, KE8LWO, The ARRL, DX Engineering, and the World-Wide Web With your continued help – we can keep making this a *great* newsletter.

Wishing you a very merry Christmas and a Happy New Year



Christmas 1950 - Guess who the 2 year old is



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

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



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

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

PCARS uses the **K8IV** repeater: **146.895 MHz PL 118.8** in Sugar Bush Knolls ~ EchoLink Node: **K8BF-L**

Check PCARS out on the web: www.PORTCARS.ORG -or- www.K8BF.ORG



~ 2022 Officers ~		2022 PCARS Appointments & Committees	
President - Nick Wagner - AC8QG Vice President - Mike Szabo - N8WCP Treasurer - Greg Ash - KA8TOA 1 Year Trustee - John Myers - WG8X 2 Year Trustee - Tom Parkinson - KB8UUZ 3 Year Trustee - Chuck Patellis - W8PT Past President - Tom Sly - WB8LCD		ARRL Awards - DXCC	W8KNO Joe Wehner
		Club Site Manager/Liaison	K8CAV Rick Kruis
		Contest Coordinator	W8PT Chuck Patellis
		EchoLink	
		Field Day Chairman, 2022	WA8AR Tony Romito
		FYAO Chairman	W8PT Chuck Patellis
		Historian	KB8SZI Peggy Parkinson
		K8BF Callsign Trustee	N8AMY Amy Leggiero
		K8BF QSL Manager	N8AMY Amy Leggiero
		Membership Chairman	
		Net Control Coordinator	KA8TOA Greg Ash
		Newsletter Editor	KB8UUZ Tom Parkinson
		OSPOTA Chairman	KB8UUZ Tom Parkinson
		PCARS Meeting Photographer	KE8LWO Bernadette Wagner
~ Meetings & Net ~		Public Information Officer	
2nd Monday of each month, 7pm Thursday night Club Net at 8 pm on 146.895		Secretary	KE8EGF Paul Hyland
		Social Media	N8WCP Mike Szabo
		Tech, Gen & Extra Class Mgr.	
		Volunteer Examiner Liaison	KB8UUZ Tom Parkinson
		Webmaster	WG8X John Myers

 PCARS Volunteer Examiner Team Members	129	KB8UUZ	Tom Parkinson
	86	W8EZZ	Frank Tompkins
	79	WB8LCD	Tom Sly
	79	N8QE	Bob Hajdak
	54	K8MSH	Mark Haverstock
	44	AC8NT	Jim Wilson
	36	KA8TOA	Greg Ash
	35	W8PT	Chuck Patellis
	26	K8IV	Ed Polack
	19	WA8CCU	Al Nagy
	15	AC8QG	Nick Wagner
	14	N8XTH	Deron Boring
	14	N8FUM	Dan Torchia
	12	W8GWI	Dave Seckel
	0	N8AMY	Amy Leggiero
	0	KC8JC	James "JC" Wilson



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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