



The **RADIOGRAM**

When All Else Fails ~ Amateur Radio Works



December 2013 ~ Official Newsletter of the Portage County Amateur Radio Service, Inc. (PCARS) ~ Vol. 8 No. 12

~ 2013 Officers ~

President - Tom Sly - WB8LCD
Vice President - Bill Fraedrich - WB9LBI
Treasurer - George Proudfoot - K3GP
3 Year Trustee - Erica Pelz - AE8YL
2 Year Trustee - Bob Hajdak - N8QE
1 Year Trustee - Sandra Getty - KD8JCY

~ Meetings & Net ~

2nd Monday of
each month, 7pm
Thursday night
Club Net at 8 pm
on 146.895

PCARS Incorporated
Nov. 1, 2005

First Meeting
Nov. 14, 2005



ARRL Affiliated
April 20, 2006



**Special Services
Club**
March 22, 2010

From the President



As another year of PCARS draws to an end, I want to thank everyone who has been a part of the club and its activities this past year. Without you, there is no club. I also want to thank you for putting your confidence in me to be the President of PCARS for one more year. Being my final year as President of PCARS, I hope you will help me make this the best year for PCARS yet! There are a lot of fun things to do in this hobby, and while we can't do them all in just one year, I'm going to do everything I possibly can to make this one tremendous year. Stick around, turn out, get involved – 2014 is going to be a year of “**Big Fun**”.



Tom, WB8LCD

Our December meeting is traditionally our Christmas Party, and I want to encourage you all to attend, along with your family and friends. We'll have a gift exchange, a visit from Santa, and I plan to give a short presentation about the “magic of radio” that will be geared towards your non-ham family members, to hopefully help them understand our fascination with our hobby. Finally, I'll be making the presentation of the President's Award, which is an annual tradition to recognize that member of PCARS who, although not one of the officer's, has contributed an extra-ordinary amount of time and talent for the benefit of the club.

January is the month where we renew our membership with PCARS.

That usually spills over into February, maybe even March. I would like to ask you, please get your renewal in as soon as possible. I want to be able to update our club information with the ARRL as soon as possible, and as complete as possible. Being the 100th Anniversary of the ARRL, I also want to suggest that this might be the perfect time to become a member of that organization, too. I truly believe, that without the League, there would be no Amateur Radio hobby for us to participate in. They are the only ones representing our interests to Government, and protecting the \$Billions of dollars of radio spectrum we have allocated for our use. (That might even be \$Trillions). Of all licensed Amateur Radio licensees, 18.6% have an Extra Class License, 31% have an Advanced or General Class license, and 50.4% of all hams hold a Technician or Novice class license. (Statistics as of 11/17/2013 from the FCC website).



(continued on Page 2)

Air Supply for a Spud Gun	23
ARRL 2014 Flier	42
ARRL files Symbol Rate Petition	24
Center of Hope Donation	6
Charlie the Tuner - HF High Lites	15
Check Your License	14
Christmas Party Extravaganza	10
Congrats 2014 PCARS Officers	4
Congrats to W8KNO	22
Construction in Parkman	13
Contest Calendar	8
CW Sig - November Meeting	24
EmComm	21
Extra Class Flier - WRARC	41
Extra Class upgrade class Flier	40
Field Day 2013 Results for PCARS	22
First Radio Broadcast	9
FYAO 2014 Operating Contest	20
General Class Upgrade Flier	40
Ham for the Holidays	31
Ham License Plates Wanted	25
Hamfest Calendar	9
Happy Birthday	11

HF Digital Net Operations	12
K8GI - New Antenna	26
Mark Your Calendars	5
Meetings, PCARS	25
Merry Christmas to All	37
Net Info & NCS Schedule	14
Ohio Section Leader Letter	6
OSPOTA 2013	28
OSPOTA 2013 Results & Scores	29
Paper Chase	11
Patches & Stickers, PCARS	13
PCARS Dues Form	39
PCARS Nets	14
Pictures from the November Meeting	36
President, From the	1
Special Event Stations	28
Swap-N-Shop	19
Thanks & 73	38
Thursday Night PCARS Nets	27
VE Test Sessions	8
Vice President, From the	3
Yahoo Group	10





PCARS
Join Now
Discover the FUN



OHIO
BIRTHPLACE OF AVIATION
K8BF
AMATEUR RADIO



PORTAGE COUNTY
AMATEUR RADIO
SERVICE



PCARS
www.portcars.org



OHIO
BIRTHPLACE OF AVIATION
PCARS
AMATEUR RADIO



PORTAGE COUNTY
AMATEUR RADIO
SERVICE

From the President (continued from Page 1)

Now here's something I'm very proud of: of all PCARS members, 40% hold an Extra Class License, 35.5% hold an Advanced or General Class License, and 24.5% hold a Technician Class License! (Statistics as of 11/17/2013 from the PCARS members page). I think that shows the value of belonging to an active club such as PCARS, that sponsors license upgrade classes on a regular basis. Elsewhere in this newsletter are fliers for both a General Upgrade class that will begin on January 14th, and for the first time with PCARS, an Extra Upgrade class that will begin on January 8th. Why not start off the year with a license upgrade, or maybe even just a refresher? The General class will be "team taught" as has been in the past. The Extra class will be taught by Jim Wilson, AC8NT. Jim has a master's degree in both Electrical Engineering and Math. He spent the first 30 years of his working life doing research and development, and most recently has taught college level courses in Engineering and Math. I'm confident that the Extra Upgrade class will be an outstanding opportunity for you to move up to the highest level of licensure in Amateur Radio!

So, January will be off to a good start. We've got some other activities planned towards the end of the month, more on those later. February will feature a Skype presentation by Bob Heil, K9EID, of Heil Sound. If

you've ever been to a Bob Heil presentation, you know that this is something you won't want to miss. If you've never been to a Bob Heil presentation, take my word for it, this is something you won't want to miss! And since we've got the room, invite your other ham friends from all over to join us for this special event. February also features "Freeze your Acorns Off" on Saturday 2/15.

PCARS is going to have a fantastic year in 2014! Make sure you're a part of it.

73,
Tom, WB8LCD
PCARS President



From the Vice President

First and Last Things

First things first: I want to congratulate James KD8VT on being elected as Trustee. James and his family have been supplying AC power to our Field Day operation for a number of years, courtesy of his 25-kilowatt Generator Deluxe. It's nice to see him taking position of greater responsibility with the club. And, congratulations to Jim KC8PC who is taking over from me as Vice President. He's held this post before, and I know he will once again do an outstanding job. Interestingly, Jim will occupy two seats on the Board of Directors, once as VP and again as Past President.

Thanks also to Sandy KC8JCY who is completing her three-year term as trustee. Sandy, I hope we will see you on the Board of Directors again one day soon.

In the beginning days of PCARS, we were just a couple of dozen hams who wanted to do fun things, any fun things, with ham radio. So somebody would think of a crazy idea, and some of us would all go do it. The first Freeze Your Acorns Off, for example, was held in the open air at Towner's Woods. No shelters, no food, and not much in the way of propagation. It was cold. We must have been nuts. We may still be.

Over time, we've grown much bigger and our events are so elaborate that big committees are required to make sure all the preparations come together into a cohesive whole.

We have a spectacular club site with full amenities. These big things simply can't be administrated by the seat of your pants, as we used to do. It takes folks who will have both time and talent to make them work at all.

Over time, I've noticed an attitude taking shape. "We", the general membership who attend and enjoy meetings and events, have come to be expecting that "they" who put those things together, live up to whatever standards "we" have in mind for those events, projects, and the club in general. If "they" fall short somehow, why, "We" will just pack up our rigs and find some other place to have ham radio fun. Several members have been lost to this attitude.

Some of you reading this are pondering that decision now. Sorry, but you're not going to find happiness when you land with some other organization. "They" won't be better, only different. The faces and names will



Bill, WB9LBI

change, but your new set of “they” will not be able to deliver on your expectations either. Things will only get better for you when you start taking the lead and make things happen yourself. You could volunteer for a committee, lead a project or organize a contest at the club site.

This will not only make the club stronger in the long run; you will find it personally satisfying, even when things do go completely as planned. New leadership is usually a good thing; that’s why officer term limits are written into the PCARS bylaws. This was the original vision that the PCARS Founders, based on their observations from other clubs.

It’s a good plan and we should stick with it. That requires commitment from you. Are you up for it? I hope so. That’s the final take away after two years of writing these columns. It’s been a pleasure serving you as club officer.

73,
Bill, WB9LBI
QRT AR



Congratulations to the 2014 PCARS Officers

Congratulations go out to the newly elected PCARS Officers for 2014. They are:

President: Tom Sly, WB8LCD Vice President: Jim Aylward, KC8PD

Treasurer: George Proudfoot, K3GP 3 Yr Trustee: James Andrews, KD8VT



Tom, WB8LCD Jim, KC8PD George, K3GP James, KD8VT Erica, AE8YL Bob, N8QE

Erica, AE8YL moves to the 2 year Trustee position and Bob, N8QE moves to the 1 year Trustee position

The new Officers assume their responsibilities on January 1, 2014



Mark Your Calendars

On the calendar for upcoming meetings and activities are:

- Dec 9th - **PCARS Christmas Party** - 7 pm - Gift Exchange & Rumor has it that Santa Claus will visit
- Jan 13th - **PCARS Meeting** - 7 pm - Computer Networking for Hams, by Steve, K8SRR
- Jan 14th - **General Upgrade Class** - Starts at 7 pm - Club Site in Ravenna. See flier
- Jan 25th - **At the club site:** Powerpole[®] Project. We will be building 12-volt distribution boxes and extension cords based on Anderson Powerpoles[®]. Project coordinator: Tom, WB8LCD watch for more details to follow.
- Feb 10th - **PCARS Meeting** - 7 pm - Bob Heil founder & owner of Heil Microphones via Skype
- Feb 15th - **Freeze Your Acorns Off (FYAO)** from Fred Fuller Park in Kent
- Feb **Date To Be Determined** - **Powerpole Distribution Project**, similar to the "nut runner" - watch for more details to follow
- Mar 10th - **PCARS Meeting** - 7 pm - Everything You Wanted To Know About Batteries But Were Afraid To Ask. By Bulldog Batteries of Mentor
- Mar 22nd - **VOM training** by Rick, K8CAV. Learn how to properly use a Volt/Ohm meter, and all of the testing techniques you can use it for. This is the most basic and most useful test instrument available, everyone will improve their skill level with this training!

Special Interest Groups - Every Month at the Club Site - 7 pm



- First Tuesday - **Digital** Special Interest Group
- Second Tuesday - **QRP/CW** Special Interest Group
- Third Tuesday - **Antenna** Special Interest Group
- Fourth Tuesday - **DX & Contest** Special Interest Group
- Fifth Tuesday - **Linux for Hams** Special Interest Group



Fourth Thursday - Net Night at the club site - 6:30 pm





Center of Hope Donation from PCARS

At our November PCARS meeting we try to have a better than average 50/50 raffle, with the club's portion of the 50/50 being donated to the Center of Hope in Ravenna.

The Center of Hope is a local food bank that supplies food, and prepared meals to families in Portage County. The Center of Hope is a program run by Family and Community Services. PCARS has used the Center of Hope facility on Main St. in Ravenna many times through the past 8 years.

This year, the 50/50 portion of our donation amounted to **\$407.00**. Added to the other donations collected directly to the Center of Hope, this year's total contribution amounted to **\$2507.00!** There were also several bags of non-perishable food given as part of the PCARS donation.

Bill, WB9LBI and I (WB8LCD) delivered the donation to Mark Frisone, Executive Director of Family and Community Services, on Friday, November 22nd.



Mark Frisone

Tom, WB8LCD

Bill, WB9LBI

I want to thank you all for participating in this. Someone will have a better Thanksgiving because of what you have done!

73,
Tom, WB8LCD



Dear Members of the Ohio Section,

It has indeed been an honor and privilege to serve as your Section Manager since July of 2009. As of January 1, 2014, I will be stepping down from this position. In my place, Scott Yonally, N8SY, of Mansfield will be appointed as Section Manager, completing my term, which would have ended September 30, 2014.

In "The Radio Amateur's Code", written in 1928 by Paul M. Segal, W9EEA, who at that time was the first General Counsel for ARRL, included the virtue of being balanced. Paul wrote that "Radio is a hobby, never interfering with duties owed to family, job, school or community." At 50 years old, I am still considered one of the "younger Hams" in the community, still balancing Work, Family, Church, and of course the duties of being your Section Manager. In May of this year, my duties at work changed, as I was assigned a supervisory role in our Engineering Department, as well as maintaining the system administration and programming duties, which I had held since 2008. On the home front, our only child turned 14, and I have discovered that she is growing up

so fast, that I was missing a large portion of her life. When not being at Hamfests and club meetings, my evenings were spent in my ARRL "home office" either on the phone, or taking care of e-mails. This was not the balance in which Mr. Segal wished for us to strive for.

The role of the Section Manager demands a commitment of time, which I was able to give to the Ohio Section for these past 4+ years, but for the reasons you read above, I cannot continue. I feel it is not fair to those who elected me in 2010, and allowed for me to continue to serve in 2012. The Ohio Section deserves better. It is in this unselfish act that I turn these duties over to Mr. Yonally. Scott has been active in many, many roles within the ARRL Field Service Organization, and has held many duties in the Ohio Section Cabinet for many years. I ask that you give Scott the same support you have given me. I thank Scott for his friendship and support, especially over these past 6 months, when I would be out of town for work, or when everything was just hitting me from all directions.

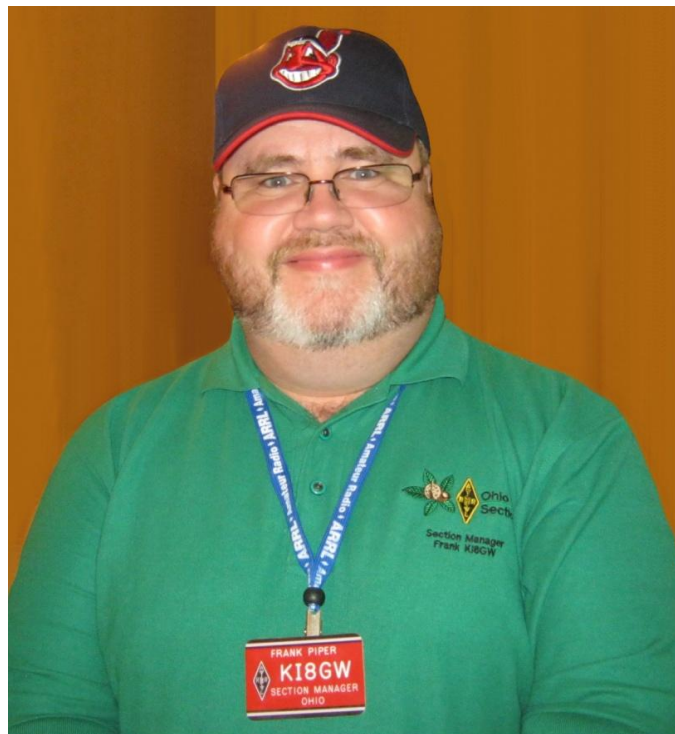
Scott and I have chosen January 1, 2014 as the turn over date, as it gives us time to coordinate a smooth transition. We have a lot of administrative material and physical assets to transfer. We will work hard, so that on January 1, The Section Manager may change, but the support for the Amateur Radio Operators in Ohio will continue without a hitch.

We do have two open positions to fill in the Ohio Section. Those of the Affiliated Club Coordinator and that of the Public Information Coordinator. Those candidates selected for interviews will continue to be interviewed by both myself and Scott, but I am allowing Scott to make the final decision and appoint those chosen to assume their duties on January 1, 2014.

We accomplished many great things in the Ohio Section in such a short time. We finally passed a law that made the State of Ohio codify PRB-1 into local zoning laws, giving Ohio Amateur Radio Operators reasonable accommodations for their antennas; We increased and strengthened the basic component of our Amateur Radio hobby, the local Ham Radio clubs; Our ARES and NTS programs have grown and are being developed with emphasis on training, weekly state-wide nets, and digital communications; And, we are just starting to develop Outreach programs for our Educators and Youth, for without them, this hobby may surely suffer in the years to come.

Finally, I want to say THANK YOU to the Ohio Section Cabinet Members I have roped into helping me over these past 4+ years. While me may not had agreed at times, our teamwork provided the direction and support for the 30,000+ Amateur Radio Operators in Ohio, whether or not they are ARRL members.

And a special THANK YOU to my Mentor, Elmer, and "Foster Dad", Bill Carpenter, AA8EY. Bill, who knew what an ARES assignment in the back of a pickup truck, during the 1995 Columbus Marathon, in 11 degree temperatures would have led to? I love you, Pops!!



73 always!

Frank K18GW
Section Manager ARRL Ohio Section



PCARS VE Test Sessions

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

2013: December 7th - 2014: February 1st, April 5th, June 7th, August 2nd, October 4th, December 6th

What to Bring to the Testing Session

- \$15 is 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: The original (and one copy) of any current (unexpired) amateur radio operator's 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 indicating the credit(s) earned.
 - Pre March 21, 1987 Technician license (this provides credit for the Element 3 (General) exam).



Robert, N8RLG
PCARS VE Team Liaison



Contest Calendar

December 2013	
ARRL 160-Meter Contest	2200Z, Dec 6 to 1600Z, Dec 8
Ten-Meter RTTY Contest	0000Z-2400Z, Dec 8
ARRL 10-Meter Contest	0000Z, Dec 14 to 2400Z, Dec 15
Run for the Bacon QRP Contest	0200Z-0400Z, Dec 16
ARRL Rookie Roundup, CW	1800Z-2359Z, Dec 22
RAC Winter Contest	0000Z-2359Z, Dec 28
Stew Perry Topband Challenge	1500Z, Dec 28 to 1500Z, Dec 29

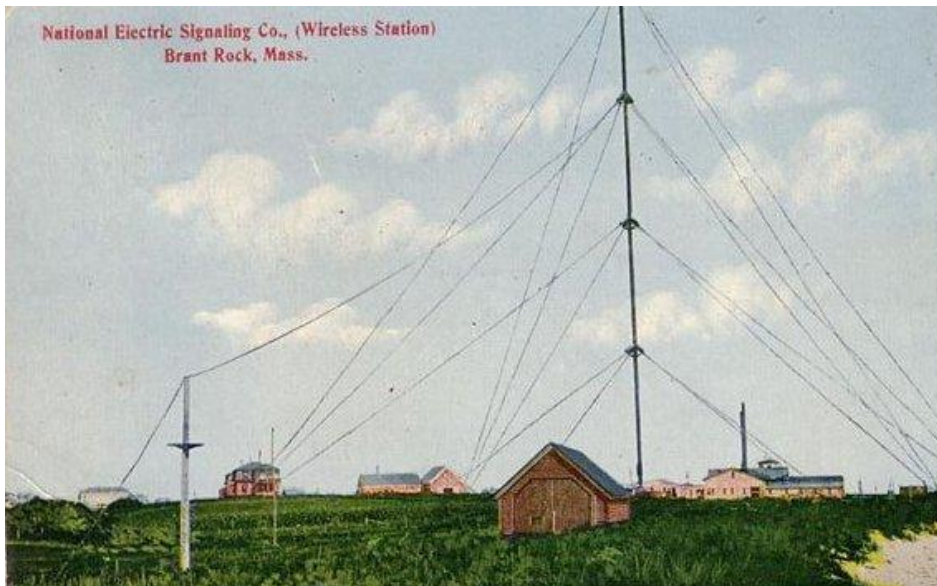
Google the Contest Name - Read the Rules & Have Fun. YES - There are MANY More Contests out there - Check the Internet



First Radio Broadcast

The first radio broadcast ever in the world's history was made by Reginald Fessenden on Christmas Eve 1906 when he beamed a "Christmas concert" to the astonished crews of the ships of the United Fruit Company out in the Atlantic Ocean and the Caribbean Sea.

Beamed out from the 400-foot towers of the transmitting shack at Brant Rock, Massachusetts on the Atlantic coast, this AM program commenced exactly at 9 o'clock, with "CQ CQ CQ", meaning "general call to all stations within range", sent out in dots and dashes. Then, over the microphone, Reginald himself gave a brief speech as to the program to follow. This was immediately followed by one of the operators switching on the Edison phonograph and a solo voice singing Handel's "Largo".



secretary Miss Bent, endeavored to read parts of the Bible text, "Glory to God in the highest and on earth peace to men of good will", but, like Mr. Stein, they suffered stage fright.

Concluding the program, Fessenden wished his listeners "A Merry Christmas".

The success of this first broadcast was verified by operators, not only from those on the ships of the United Fruit Company but also from vessels all over the south and north Atlantic, amazed at the magic and miracle of this first wireless radio broadcast.

73,
Tom, WB8LCD



Hamfest Calendar

01/26/14 - TUSCO ARC Hamfest - Location: 965 North Wooster Rd., Strasburg, OH. Website info: www.tuscoarc.org Talk-in on 146.730-. Opens at 8am. More info: Janice Green KB8YDK - Phone: 740-922-4454 e-mail: k8wfn@tusco.net

02/02/2014 - Northern Ohio Amateur Radio Society - Winter Ham Fest - Location: VFW Post 1079 - 500 South Abbe Road - Elyria, OH 44035 - Website: <http://NOARS.net> - Talk-In: 146.70- (PL 110.9) - Public Contact: Darlene Ohman, KA8VTS - 4122 Bush Avenue Cleveland, OH 44109 - Phone: 216-398-8858 - Email: dohman@roadrunner.com





Christmas Party Extravaganza

Our Annual Christmas Party is right around the corner on December 9 at 7 pm.. Time to make your plans! Bring your spouse! Bring the kids! Our venue again this year is Stringz & Wingz in Streetsboro. Santa Claus himself will be appearing live to assist with the World Famous PCARS gift exchange.

Here's how it works:

- ✓ Wrap up a gift suitable for a man, woman, or ham (i.e., a gift directly related to ham radio).
- ✓ Address your gift to Man, Woman, or Ham. Under from, write it your own callsign. This way, the Man, Woman, or Ham, will know who to thank or blame for your generous contribution.
- ✓ Price ceiling: \$15 for all gifts.
- ✓ Trade your gift for a ticket at the door. You **must** have a ticket for Santa to call your name at the party. Everyone else gets coal in their stocking.



Use your imagination to see how far you can make that gift budget stretch! For example, \$15 will get you:

- ✓ 15 helium balloons (have fun wrapping them)
- ✓ A year's supply of duct tape (\$3.27/roll), in a rainbow of colors (Definitely a Ham gift)
- ✓ 2 jars of peanut butter, 2 jars of jelly, 2 loaves of bread. This constitutes a complete menu for your next 24-hour radio contest.
- ✓ 15 Bags of candy (Dentist bill compensation not included).
- ✓ The Duck Dynasty Christmas video

As if all this weren't enough, Tom WB8LCD will be making a surprise presentation at the December meeting. Shh! Don't tell him we told you.

Bill, WB9LBI



PCARS Yahoo Site

Members are reminded that PCARS has a Yahoo Group dedicated to PCARS information. It's a great site to sign up for and get on the mailing list. Check out the PCARS Yahoo Group at:
<http://groups.yahoo.com/group/PCARS/>.

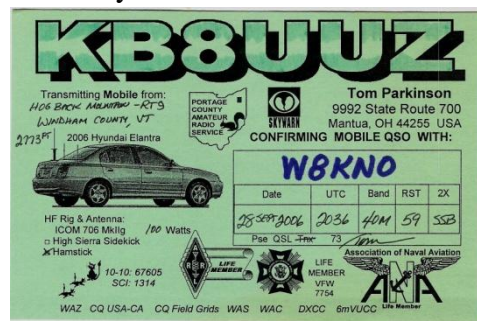
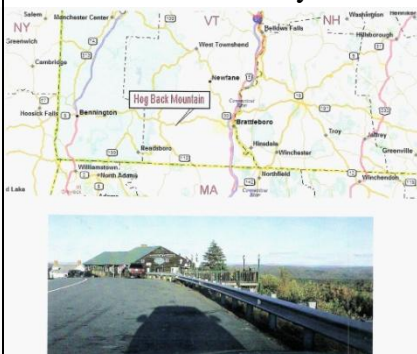




Paper Chase

I have continually talked about certificates or QSL cards from special events that you can collect. This

month why not consider something you can make for yourself. I had that opportunity seven years when our news letter editor, while working for WinTronics teaching soldering techniques to corporations, would make many trips to and from New Hampshire. During the drive he would operate mobile. Check out the accompanying display put together with pictures and a QSL card from, KB8UUZ.



In the club we have others that go to remote locations and operate. Just look in this issue and see the members that were operating mobile or portable during OSPOTA. Exchange QSL cards, go on-line and get pictures of the state park and create your own paper.

Remember WB2DFC goes to Pennsylvania once or twice a year, KD8MQ operates from Pennsylvania during the PA QSO Party and during the last year WB8LCD operated from Curacao at PJ2T.

Make your own certificate and send it into our news letter editor for him to display it in The RADIOGRAM.

While not singing Christmas Carols, I'll listen for you,
Joe, W8KNO



Happy Birthday PCARS Members

PCARS members having a birthday in December:

KC8PD	Jim	Aylward
KD8EPE	John	Hart
KD8GHA	Jenna	Ziccardi
KD8LLN	Michael	Polack
KD8ICP	Timothy	Gehri
KDFPP	Ryan	Fraedrich
KD8QDZ	Christopher	Schroeder
KB8AMZ	Terry	Morris
	Arlene	Kurta

KA8TOA	Greg	Ash
KC8TZU	Richard	Samuel
KB8UHN	John	Tomasik
N8XTH	Deron	Boring
K8IV	Ed	Polack
KC8RJR	Errol	Jordan
WA8GCF	David	DeSimio
KD8SKL	Amy	Leggiero
KA8SWC	Bruce	Costarella





HF Digital Net Operations

Over the last several years PCARS has conducted many training sessions and nets on VHF FM resulting in members becoming proficient using sound card digital modes. Much of this success can be attributed to the fact that there are no mode restrictions on most portions of VHF and UHF bands, allowing the use of both voice (phone) operations on the same frequencies and at the same time that digital operations are being used. This type of net is commonly referred to as a “mixed mode” net. A mixed mode net makes it quicker and easier to run and participate in, and also makes training and troubleshooting on digital topics far easier. Except for the 160m band, HF digital and phone sub bands have different frequency allocations, which means that you can't operate phone and digital simultaneously in any give portion of the HF bands except for 160m. That in turn means that when running a digital net, everything has to be done strictly in a digital mode with no phone allowed.

So what's the big deal you might ask? The big deal is that everything that might normally be communicated by voice must instead be done digitally. For example if you were listing traffic in a mixed mode net on VHF, you might say, “KD8FLZ this is K8CAV I have one Routine digital for KC8PD, over”. Short, simple and to the point. On a digital net however you would have to type that entire phrase which takes up an inordinate amount of time and typing. So what's the magic bullet for this problem? It's called using Q signals and pro-signs. In the above example instead of typing:

KD8FLZ this is K8CAV I have one Routine digital for KC8PD over

Using Q signals and pro-signs you could instead type:

KD8FLZ DE K8CAV QTC 1R KC8PD K

Using Q signals and pro-signs results in about half of the typing and transmission time for the above example.

The December Digital Special Interest Group meeting at 7:00 PM on December 3rd will have a presentation on HF Digital Net Operations and will cover the use of Q signals and pro-signs to make your participation in a digital net more efficient and productive. Make plans to stop by if you're interested in HF digital net operations. The Ohio Section holds an HF digital net every Tuesday at 8:00 PM on 3.585 MHz USB starting in Olivia 8/500. Listening into this net will give you an idea of how a digital only net is structured and run. Their web site is www.ohden.org. Don't forget though that you have to be a General Class licensee or above to transmit on HF bands below 10m with digital modes. (hint - hint, a good reason to enroll in the winter General upgrade class starting in January!) A list of commonly used Q signals and pro-signs can be found at <http://www.arrl.org/files/file/Public%2520Service/fsd218.pdf>. Don't be put off by the number of Q signals and pro-signs listed because for most net operations, only a handful are commonly used. Also, don't forget about the PCARS VHF Digital nets that take place on the second and fourth Tuesday at 7:30 PM on the 146.895 repeater. If you've never participated in a digital net before, this is a great place to learn, and because it's a mixed mode net, it's easier to ask and answer questions you may have.

73,
Rick, K8CAV





PCARS Patches & Stickers



New 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: George, K3GP or e-mail him at: K3GP@portcars.org



Construction in Parkman

For the last six months, we have been hearing about the new tower or some kind of vertical antenna going up in the back yard of W8PT.

I became very interested in what was holding up the completion; therefore, I visited the construction site and was amazed at how massive it is.

Here is a picture of one of the four bases. I wonder when it will be done?



Joe, W8KNO





PCARS Thursday Net Control

Thank you all for helping with this! Anytime you are unable to take the net, please give me as much advance warning as possible!



December	
5	KC8PD
12	KB8UUZ
19	WB2DFC
26	WB8LCD

January	
2	WB8LCD
9	K8IV
16	N8RLG
23	KB8UHN
30	KB8UUZ

February	
6	KC8PD
13	WB8LCD
20	KB8UUZ
27	KB8UHN

March	
6	KD8FDK
13	NR8W
20	KB8UUZ
27	N8QE

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: WB8LCD@portcars.org Everyone who is a club member is welcome to have a turn!



Check Your License

On one net that I was running in my local area, I asked "Without looking at your ham radio license, do you know its expiration date??" 95% of the respondents said "NO". At a license exam session I did awhile back, one examinee, who thought he had a General Class license was SHOCKED to find out that it had actually been expired over 2 years, and as a result, it was WORTHLESS. He had to start completely over, exam wise.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
AMATEUR RADIO LICENSE
KD8ZZZZ

Joe Radio
125 Main Street
Youtown, OH 44234

FCC Registration Number (FRN): 5558001212
Special Conditions: NONE

Grant Date	Effective Date	Print Date	Expiration Date
12/01/2003	12/01/2003	12/04/2003	12/01/2013

File Number	Operator Privileges	Station Privileges
774447744	GENERAL	

THIS LICENSE IS NOT TRANSFERABLE

(Licensee's Signature)

FCC 680 - May 2007

Obviously, operating without a license can get a Notice Of Violation or worse from the FCC. For that matter, the same applies to ones Drivers License, etc.

I personally don't think it's that much to ask to know the expiration of one's licenses...ham radio, drivers licenses, or otherwise. Not knowing it could cause real problems.

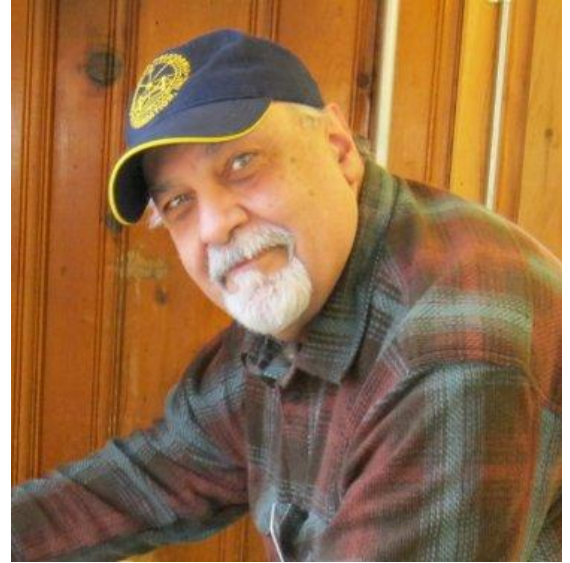
Daryl, WX1DER



Charlie the Tuner's HF High-Lites

As I write this, Thanksgiving dinner is over and the attending family members have left for their own homes. We have a lot for which to be thankful. The big storm was not as big as predicted but still upset some activities. Personally, I got through Thanksgiving this year without breaking any bones. Last year was a different story and I prefer to have that time in my past now.

We all need to be thankful for a great hobby that allows us to make friends all over the world through Amateur radio. And when it comes to DX, I know that I am thankful for all those operators who, at times, literally risk life and limb to venture to far away places to set up stations so that we can say we made a contact with an OM or YL on some remote island or mountain and can bring out a QSL to prove it. Unless you have been reading some of the QSL articles lately, you have no idea how much these DXpeditions cost in money and time. And in a few cases, the hobby has seen Amateurs become SK due to their keen desire to get to that far away place. As I was reminded recently, not only are many of us in this hobby getting up in age, the folks going on these DXpeditions are, in many cases, part of the older generation also. Let's keep them in mind when we give thanks.



And talking about giving thanks, I continue to thank the following for the forecast reports for this month and beyond: the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn Packet Cluster Network (especially Tedd Mirgliotta – KB8NW) for the following DX and IOTA information.

And as always, this report could contain “Pirate/SLIM” operations or busted call signs. Please do yourself a favor and adhere to the old adage of “Work First Worry Later” (WFWL).

4S, SIR LANKA. Peter, DC0KK, will once again be active as 4S7KKG from Moragalla, Sri Lanka (AS-003, WLOTA 0762), between November 17th and April 15th, 2014. Activity will be mainly on CW and the Digital modes. QSL via DC0KK, by the Bureau (preferred) or direct (see QRZ.com). LoTW on request. All QSLs for all QSOs will be sent via the QSL Bureau.

5R, MADAGASCAR. Eric, F6ICX, will once again be active as 5R8IC from Saint Marie Island (AF-090) between November 16th and December 15th. Activity will be holiday style operating CW, RTTY, and PSK63, and using a FT450 with 100 watts into various GPs or Inverted-Ls and a Hexbeam for 20-10 meters. There will be no online log during his activity. QSL via his home call sign (QRZ.com).

5V, TOGO. Wim, ON4CIT, will once again be active as 5V7TH from Togo (Grid Square JJ06rf) sometime in November and December. Activity will be on 40-6 meters, including the 30/17/12 meter bands, using CW, SSB and RTTY. He plans to be on in the evening on 40 and 30 meters. Wim mentions that he will travel during the day to Benin to collect his TY1 call sign papers which is supposed to be ready. During that same day, he will try to search for a nice QTH in Grand Popo (Benin) for his TY1 DXpedition and move from Togo to Grand Popo, Benin, when everything is sorted out. QSL via his home call sign, direct (2 USDs/EU and 3 USDs/US), by the Bureau, LoTW (uploaded year later) or by the ClubLog's OQRS. For more details, visit: <http://www.dxpediton.be/5V7TH.html>

6W, SENEGAL. Mark, AA1AC, will once again be active as 6W/AA1AC from La Somone, between December 8-14th. QSL direct or by the Bureau to his home call sign.

EG5, SPAIN (Special Event). Operators Jose/EA5FL, Sal/EA5DY, Nando/EA5GVZ and Juan/EC5JC will activate

special event station EG5MM on December 11th to celebrate "International Mountain Day" (See QRZ.com for details). QSL via EA5FL.

FK/TX5, NEW CALEDONIA. Freddy, F5IRO, will once again be active as FK/F5IRO from Plum, New Caledonia (OC-032, DIFO FK-001, WLOTA 1280, DDFM 988), starting sometime at the end of October until February 2014. Activity will be on 80-10 meters using mostly CW and some PSK, with a Elecraft K3 and dipoles and long wire antennas. Freddy will team up with Michel, FK8IK, in Noumea using the special call sign TX5W for the CQWW DX CW Contest (November 23-24th). Sometime after the contest, Freddy and Michel are looking into possibly activating some FK IOTAs. Look for details to be posted on QRZ.com and Freddy's Blog page at: <http://j28ro.blogspot.com> QSL both FK/F5IRO and TX5W via F5IRO, direct or by the Bureau. Logs will be uploaded to ClubLog and LoTW sometime in March 2014.

FW, WALLIS AND FUTUNA ISLANDS. Jean-Jacques, TK5JJ, will leave Corsica for 2 years and travel to Wallis Island where he will be active as FW5JJ. He hopes to be active very soon after his arrival with an Icom 756PRO and G5RV antenna. The rest of his equipment will arrive later. He will be active on SSB, CW and the Digital modes on all HF bands, 6m and 2m EME. QSL via F5RXL.

H40, TEMOTU PROVINCE (Update). Sigi, DK9FN, will once again return to the Temotu Province for a fifth time and be active as H40FN, but this time from Lata, Nendo Island (OC-100) between December 21st and January 10th (2014). QSL via DK9FN (not HA8DD) effective from July 1st, direct or by the Bureau. More details will be forthcoming.

J6, ST. LUCIA (Press Release: 5th St. Lucia Buddies in the Caribbean Suitcase DXpedition) [edited]: "Travel plans are set for the fifth 'Buddies in the Caribbean' (BIC) mini-DXpedition to St Lucia (J6). 8 ops, some of whom have never experienced the 'other side' of a pileup, will be operating from Chateau Devaux on the NE side of St. Lucia from Dec 1st - 9th, 2013. This 'Suitcase DXpedition' will operate QRP to 100-watt radio stations using backpackable Buddipole antennas to make contacts from the villa, the surrounding mountains, and (of course) from St. Lucia's superb beaches. The eight operators are Jerry/N9AW, Craig/NM4T, John/W5EXJ, Joe/K3JDB, Rick/AA4W, Jim/W4QO, Chris/W6HFP, and Budd/W3FF (J68FF). Ops will preface their own calls with 'J6/'. Team members will operate several CW, SSB, and/or Digital Mode stations on 160-10 meters from the villa while others make contacts with portable set-ups from other J6 locations. Per tradition, meeting and operating with local hams while on J6 is one of our key goals. QSO confirmation and QSLs will be available via LoTW, Bureau or direct via information on each operator's www.QRZ.com page."

JY, JORDAN. Jovica, E78A (ex-6W1SJ, 9K2/T94FC, ST0RM, ST2A, T94FC, T98A, TT8JT) is now active as JY9FC from Amman. Jovica has been working in Amman for the UNHCR (United Nations High Commissioner for Refugees) for almost two years but just received his license. Most likely he will stay there for another three years. As during his previous activities, activity will be during his free time mostly on CW with some SSB and Digital operations. QSL via E73Y: Boris Knezovic, P.O. Box 59, 71000 - Sarajevo, Bosnia and Herzegovina, or via E7 bureau. Clublog OQRS will be activated after first logs are received from Jovica.

OD, LEBANON. Sylvain, F5TLN, active as OD5/F5TLN since September, will be there until April 2014. Activity has been mainly on 15 meters SSB. QSL via his home callsign direct only. Visit his Web page at: <http://f5tln.voila.net>

P29, PAPUA NEW GUINEA (Update/Rescheduled). Akira, JA1NLX, reports on his Web page that he will be active as P29VNX from Lissenung Island (New Britain Island), in the Bismarck Archipelago IOTA Group (OC-008) between December 1-6th. Activity will be mostly on the IOTA frequencies on 30-10 meters using CW, RTTY and PSK31. His transceiver is a Elecraft KX3 with a small 100w amp into a 1/4 wave vertical with elevated radials. QSL via JA1NLX, direct (w/SASE & 2 USDs) or OQRS (direct (3 USDs) or Bureau). Do not send your QSL via Bureau. He is no longer a member of JARL. All logs will be uploaded on LoTW and the Online Log search available on ClubLog. Akira states, "I will send you QSL via Bureau from GlobalQSL if you request OQRS_Buro." For more details and updates, watch Akira's Web and Blog pages at: <http://www.asahi-net.or.jp/~yy7a-ysd/P29VNX-2013.htm> <http://ja1nlx-aki.blogspot.jp>

R0, RUSSIA (NEW REGION TO BE ACTIVATED). Operators Vasily/RA1ZZ, Aleksandr/ RA3AV, Natalia/R9OOO and Yuri/UA9KW will activate the last new Russian region for the Russian's District Award Program (RDA: YA-38 and very rare GRID LOC: PP57et) as homecall/0 between November 26th and December 3rd. The QTH is Batagay-Alyta, village in the north part of the republic of Sakha, Yakutia. Activity will be on 80-10 meters using CW and SSB. QSL via the Bureau. For more details, see: <http://ya38.org/en>

S9, SAO TOME AND PRINCIPE. Operators Giovanni/IK5BCM, Giuseppe/IK5CBE and Giovanni/IK5CRH will be active as S9TF from Principe Island (AF-044) between February 1-13th (2014). Activity will be on 80-10 meters using CW, SSB and RTTY. QSL via IK5CRH.

T32, EAST KIRIBATI (Update). Members of the Russian Robinson Club are expected to be active as T32RC between December 4-11th. Tim, NL8F (T32TM), who will be there before the T32RC crew arrives, informs OPDX on Saturday [edited]: "Hi Guys.... Well T32TM is ready to depart. All radios, amps, antennas and trinkets are packed and ready for things to start. I leave Dutch Harbor, Alaska, in the morning Sunday at 10am local time heading to Seattle to take part in the North Pacific Fishing Trade show, and then depart to Honolulu on Sunday, the 23rd, spend a day or two catching up with some of the KH6 guys before departing on the 26th to Kiramati. I will then set up the radio equipment, and then it is on from the Captain Cook Hotel. Band conditions are great so will be operating the high bands during the day light and low bands at night. The rest of the crew T32RC are also almost packed up, and we have some very good antennas for the low bands with us, especially for the 160m contest and the rest of the time. Remember, this is not a huge DXpedition and any small amount of donation to the Web site <T32-2013.com> will be very much appreciated to help with the excess baggage costs of the antennas and radios. Thanks in advance.T32TM and T32RC crew Tim NL8F"

T6, AFGHANISTAN. Jean-Marc, ON4JM, just received his official T6 license from the ISAF HQ. Look for him to be active as T6JR from Camp Marmal, near Mazar e Sharif, in the northern part of Afghanistan, until the end of December. Activity will be on CW and SSB. QSL via ON4JM, direct or by the Bureau.

T32, EAST KIRIBATI. Tim, NL8F, will be active as T32TM from East Kiribati between November 27th and December 11th. However, during his second week there he may possibly join up with the T32RRC team. More details on this is forthcoming. QSL via K8NA.

TX5, NEW CALEDONIA (Update). Freddy, F5IRO, continues to be active as FK8RO from Plum, New Caledonia (OC-032, DIFO FK-001, WLOTA 1280, DDFM 988), until February 2014. Activity has been on 80-10 meters using mostly CW and some PSK, with a Elecraft K3 and dipoles and long wire antennas. Freddy will team up with Mic/FK8IK and Sam/FK8DD, in Noumea using the special call sign TX8B (confirmed as November 14th) for the CQWW DX CW Contest (November 23-24th). QSL TX8B via FK8DD: Box 3040 Noumea, 98846 New-Caledonia. Sometime after the contest, Freddy and Mic are looking into possibly activating some FK IOTAs. Look for details to be posted on QRZ.com and Freddy's Blog page at: <http://j28ro.blogspot.com> Also, watch Sam's Web page at: <http://www.corail.nc/FK8DD> QSL FK8RO via F5IRO, direct or by the Bureau. Logs will be uploaded to ClubLog and LoTW sometime in March 2014.

V4, ST. KITTS (Update). Tony, N3ME, reports on QRZ.com: "Originally licensed as V47AJ in 1999 and pleased to be returning to St. Kitts (NA-104) again on January 21, 2014, for a one month vacation and holiday style operation. Our son, Bernie (W3UR) and his wife, Becky, our daughter, Kristina, and her husband Dan will be with us for part of our vacation. We will use my Elecraft K3 on 160 through 10 meters via CW, RTTY and SSB with heavy emphasis on RTTY, and I plan to operate in the CQ WPX RTTY Contest in February. QSL via Bureau, direct (please include return envelope & postage), or LOTW. Please be patient, if QSLing direct as QSL will be ordered upon return as we will take pictures for the card while in St. Kitts."

VU7, LAKSHADWEEP ISLANDS (Update). A team of operators are now active as VU7AG from Agatti Island (AS-011) until December 10th. Activity will be on 160-10 meters using CW, SSB and RTTY. Suggested frequencies listed in OPDX.1136. The pilot stations have been announced: Stan/KH6CG (Chief Pilot + Asia/OC), Gary/DF2RG (EU), Luc/LU1FAM (Central & South America), Mark/N1UK (NA East Coast) and Rich/KY6R (NA West Coast). They also have an ePilot on their Web site through which DXers can get in touch with them. The Propagation page now includes custom propagation charts thanks to Stu, K6TU, and his wonderful propagation service. Another call sign has been issued for demonstration purposes on Kavaratti Island - VU7KA. This would be used only briefly when team members make presentations to the local administration in Kavaratti and educate them on amateur radio. QSL Manager is Krish, W4VKU, direct or by the Bureau (see details on the Web page). An Online QSL Request System (OQRS) will be available for all your QSL requests. OQRS will be enabled soon after the expedition. For Logbook of The World (LoTW): QSOs would be uploaded to LoTW in approximately 6 months time. The following Web page has been set up and contains bios of operators, QSL details, frequencies and a survey. Visit the VU7AG page at: <http://www.vu7ag.info>

XT, BURKINA FASO. Harald, DF2WO, will be active as XT2AW from Ouagadougou between the last week of January and the end February 2014. Activity will be holiday style on CW and SSB. QSL via M0OXO.

YL95, LATVIA (Special Prefix). In honor of the 95th anniversary of the establishment of the Republic of Latvia in November and December 2013, members of the Latvian Contest Club will use the special prefix YL95. Expect YL95AIW, YL95AJA, YL95CI, YL95CW, YL95DQ, YL95DW, YL95GQT, YL95GY, YL95KF, YL95KL and YL95UI to be on the bands. For QSL info, follow the operators' instructions, but in most of cases use LoTW, eQSL, by the Bureau or direct to their home call sign is OK.

ZL7, CHATHAM ISLAND. Franz, OE2SNL, will be active as ZL7/OE2SNL from Chatham Island (OC-038) between March 13-26th (2014). Activity will be on 80-10 meters, using CW and with a focus on RTTY. QSL via OE2SNL. For more QSL details, see <www.zl7.oe2snl.at> and/or <www.oe2snl.at>.

IOTA NEWS.....

EU-125. Ric, DL2VFR, will be active as OU1RAEM from Romo Island (DIA NS-001), Wadden Sea National Park (WWFF OZFF-004) between December 28-31st. Activity will be on the HF bands, mainly CW and include an entry in the RAEM Contest (December 29th). QSL via DF5LW, direct or by the Bureau. Also, QSLs will be sent automatically by the Bureau. PLEASE NOTE: Ric will also continue to be active between January 1-3rd, but as OZ/DL2VFR. This activity will be a CW only operation. For more details, see: <http://www.iota-expedition.com>

JD1, MINAMI TORISHIMA (Update). If you missed Take, JG8NQJ/JD1 from Marcus Island in the Minami Torishima (OC-073, JCG 10007) group, you will have another chance sometime in the middle of December. He is usually there to work on the island's weather station. Activity will be limited to his spare time. He will be mainly on 17 meters but also on 15/12/10 meters CW. QSL via his home call sign, by the Bureau or direct to JA8CJY: Susumu 'Sin' Sanada, 5-17, 5-4, Shin-Ei, Toyohira, Sapporo 004, Japan. Online log is available at: <http://dx.qsl.net/cgi-bin/logform.cgi?jd1-jg8nqj>

SA-027. Jose, PU5IKE, active as ZW5AAA from Remedios Is (ARLHS BRA-137) between Dec 7-8th. Activity will be on 10 meters SSB. QSL via PU5IKE, via LoTW, direct (sase), eQSL or Bureau (QSLs from SWLs are welcome).

VP8, FALKLAND ISLANDS. Andy, M0HLT, is expected to be active as VP8DOH possibly for 2 years. He is now based on the Falklands as an electrician. Operations will be SSB only and mainly on the higher HF bands, preferring 10 meters when conditions allow but will try 20 meters and above. QSL via eQSL only or LoTW.

Well, that's it for now. Please get on the air and work some DX. And don't forget to thank them for doing what they are doing in order for us to get a QSL or simply to have a QSO with someone on the other side of the globe. Oh, one more thing. Please observe the DX Code of Ethics when you try to contact these DX entities. Nothing makes this experience an unpleasant one faster than the dysfunctional behavior that is being displayed in DX and IOTA pileups on the HAM bands these days. Don't be a contributor to this type of behavior. Get on the air and behave yourselves and work some great DX.

Until 2014, 73 and GUD DX!!

Chuck, W8PT
aka: "Charlie the Tuner"



Swap-N-Shop

FOR SALE – Kenwood TS-430 HF rig with FM Board and CW 500 Hz Filter installed. It comes with the Kenwood Microphone. Rig is 100% functional. Some wear on case. E-mail me if you want pictures. **ALSO includes a Kenwood PS-430 Power Supply** and an extra DC Cable. ~~\$500.00~~ - NEW PRICE - \$400.00 for all !

Contact John, KD8MQ at KD8MQ@portcars.org or call: 330-936-5021 [03/02/14]

FOR SALE – Icom IC-735 with hand microphone also has manual on CD - \$250.00

FOR SALE – Icom IC-PS-55 Power Supply - \$100.00

FOR SALE – MFJ-948 - Deluxe Versa Tuner II with manual - \$50.00

FOR SALE – Swan – 1500Z Linear Amp with manual - Set up for 220 Vac. Can be changed to 110 Vac - \$500.00

FOR SALE – Ceton 572B/T160L Spare Tube for Swan 1500Z amplifier - \$25.00

FOR SALE – Kenwood TM-721A FM Dual Band with hand mic & 2 mobile quick release brackets & manual - \$100

Contact Bob, W8JFQ at W8JFO@portcars.org or call : 336-707-7148 [02/02/14]

FOR SALE: I have an excess of **IRCs**, expiring 12/31/13. Mostly of USA origin, but some other countries as well. All are properly validated (postmarked) on the lower left. I'll sell them for \$16 for ten, *including* postage to the buyer. (That's a bit less than \$2.20 each, the last price at which they were sold by the USPS.) "First come -- First served."

Contact Rick, K8GI at K8GI@portcars.org [12/02/13]

FREE TO GOOD HOME: 16' 4" x 4" post with inverted "L" shaped pipe extension and pulley for hoisting your dipole up to approximately 28 feet. Also includes the carriage bolts for attaching pipe to post. Post was never in ground only bolted to fence post.

FOR SALE: 8877 RF Deck for 144 MHz – This is a commercial build of the W6PO design. It was built for the National Weather Service to be used at 1000 Watts FM on a 24/7/365 duty cycle basis. It is capable of 1500 Watts SSB.

This is a complete RF Deck only, no tube or power supply included. \$500.00

FOR SALE: 140' Andrew LDF4-50A 1/2" Heliax – Cable is new unused but has a few minor scuffs from storage and transportation \$125.00

FOR SALE: 140' Andrew LDF5-50A 7/8" Heliax – Cable is used in good condition, 1 connector installed \$140.00

FOR SALE: 40' Heavy Duty Self-Supporting Tower – 37 inches wide at the base, 18 inches at the top \$150.00

FOR SALE: Used Mirage Amplifier B-3016 – 30 W. in 160 W out, currently making 146 Watts out - \$100.00

FOR SALE: New In Box GE Contactors

GE CL01A400TJ Contactor 4 poles rated 25 A @ 600 V, 120 Volt Coil \$25.00 (2 Available)

GE CL01D310TD Contactor 4 poles rated 25 A @ 600V, 24 Volt Coil \$30.00 (2 Available)

GE CL25A300T Contactor 4 poles rated 32 A @ 600 V, 120 Volt Coil \$35.00 (2 Available)

FOR SALE: 1/4" Plate Glass for desk or table top, Great for radio bench 42" x 68" cost \$152.00 Asking \$40.00

FOR SALE: Random lengths of Andrew 1/2" Super-flex ranging from 10 to 17 feet with either an N-male or DIN-male connector installed \$2.00 each

I also have a small supply of connectors for 1/2" Superflex, 1/2" Heliax and 7/8" Heliax . Contact me with your needs.

Contact James, KD8VT at KD8VT@portcars.org or call 330-206-4909 [01/02/14]

FOR SALE: Heathkit Model IM-11 VTVM - \$40

FOR SALE: ASTATIC Model D-104 Mic w/ TUG8 Stands (Lollypop) 4 of them - 1 Excellent-\$70, 3 good \$40

FOR SALE: YAESU Model FT-11R 2Mtr FM HT w/Spkr Mic and Charger - \$60

FOR SALE: YAESU Model NC-50 Charger - \$35

FOR SALE: ICOM Model IC-V80 2Mtr FM HT w/ Extra Battery and Charger - \$90

FOR SALE: Nye Viking Model B V A, Antenna Tuner - \$425

FOR SALE: Johnson Viking Kilowatt Matchbox Model 250-30 - \$85
FOR SALE: TRIPLET Model 630 VOM - \$45
FOR SALE: MF-J-250 50 ohm oil dummy load - \$40
FOR SALE: MFJ-207 HF SWR Analyzer - \$30
FOR SALE: MFJ407B Electronic Keyer - \$40
FOR SALE: Heil Model HM10 4-5 Microphone with Stand - \$100
FOR SALE: Standard C1208DA 2 mtr FM Mobile - \$250
FOR SALE: MFJ-1702C, 2 Pos Coax Switch - have 2 of them - \$20ea
FOR SALE: Radio Shack Model 22-223 VOM - \$10
FOR SALE: Astron Model RS-12 12 Amp Power Supply - \$45
FOR SALE: Bencher BY-2 Paddle - \$75
FOR SALE: ASTATIC Model 10-D w/G Stand - \$50
FOR SALE: Electro Voice Model 664 - \$50
FOR SALE: Electro Voice Model 638 - have 2 of them - \$50ea
FOR SALE: Shure Microphone and stand - \$20
FOR SALE: HUBBELL Outdoor Light Model PUL-0100S-118 - \$25 -120/208/240/277 volt, uses S54 Bulb
FOR SALE: W1FFL Ladder-LOC - \$10
FOR SALE: Kenwood TL-922 Linear Amplifier - \$1500 [03/02/14]

All equipment is in top shape.

Contact Al, AB8AA at 330-207-3296 or Email ab8aa@portcars.org

Editor's Note: Ads for PCARS members run for 3 months then are dropped from the listing UNLESS you send it in again. Each ad will have an expiration date that looks like: [01/02/14]. This will help keep the listings current.



FYAO 2014 Operating Contest

It's certainly not too late to start planning for your participation in the PCARS Freeze Your Acorns Off contest for 2014. It will take place on February 15, 2014 and will run from 10AM until 4PM EST. As in years past, the operating format will be a "contest" for all who participate and set up a station either in the shelter house or out in the WX in your own shelter.

The winner will be presented with a certificate suitable for framing and will have their call sign added to the FYAO plaque that is proudly displayed at our club site.

Remember this is a QRP event so MAX power is 5 watts CW/Digital and 10 watts SSB.

I have already put together the rules sheet for the coming event and it will be posted in the January Radiogram Newsletter.

So start planning now to see if you can become the top op in one of PCARS fun events. And also don't forget that you are encouraged to bring food, snacks, and friends so that everyone can have BIG FUN!

I hope to see you there and on the air. Until then, 73.

Chuck, W8PT
2014 FYAO Coordinator.





EmComm

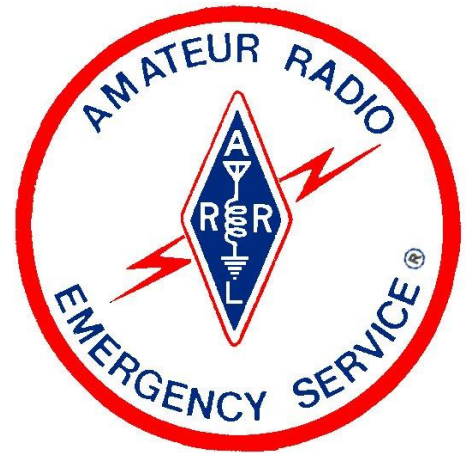
Back again this month with a column from both Jim, KC8PD, as Comms Unit Radio Officer and Mike, KD8FLZ, as the ARES® EC for Portage County.

As we mentioned in last month's column, we were working to provide an opportunity for ARES® of Portage County members to check in to Comms Unit training nets. We want to enhance operations and cooperation between the CU and ARES®.

Beginning with the January 9, 2014, Communications Unit net, area hams who have signed up as members of ARES® of Portage County will be given the opportunity to check in to the CU nets. After the net control station has called the CU roster, ARES® members will be able to check in. They can then participate in the net training.

It is not difficult to envision circumstances during a local disaster where both the CU and ARES® are operating. We want everyone to be well trained on net procedures as well as CU and ARES® policies and practices and to develop the skills they need to provide effective communications while interacting with each other.

Emergency communications locally are not the exclusive province of the Communications Unit. ARES® members also need to be well practiced and prepared. Also, there may well be the need for communication links between Portage County and the surrounding counties depending on the extent of the incident. That is where local ARES® members may have a critical role to play by maintaining contact with ARES® units in those other counties or at the State EMA.



We will also be developing some joint CU/ARES drills and exercises for the upcoming years as well as additional shared training.

In the meantime, Mike, KD8FLZ, as EC for Portage County, has scheduled an organizational meeting for the local ARES® team. The meeting will be held at 7:00 p.m. on Wednesday, December 18th, at the PCARS club site. All ARES® of Portage County members should attend this meeting and all other area hams having an interest in getting involved are also encouraged to attend.

Mike wants to hear from all ARES® members about the direction they would like to see the local ARES® unit heading in and what types of activities they are willing to assist with.

This will be an important meeting for ARES® and we hope to see you there.

73,

Jim, KC8PD/AAR5AI

**Radio Officer, Portage County OHS/EM Communications Unit/RACES
DEC, ARES® District Five**

Mike DiCarro, KD8FLZ

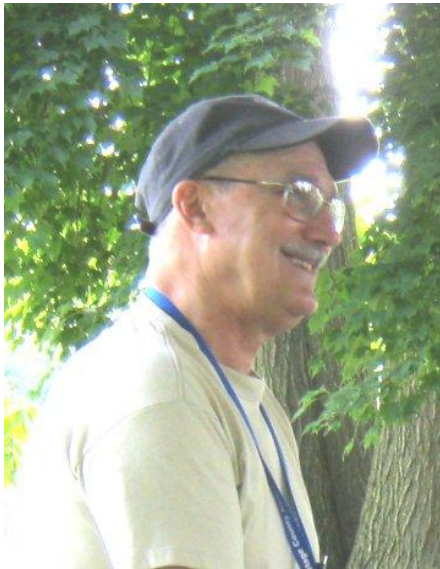
Emergency Coordinator, ARES® of Portage County



Field Day 2013 Results for PCARS

It's a wrap! The December 2013 issue of QST Magazine published the scores for Field Day and PCARS did quite well! With a total score of 9,526 points PCARS was 9th out a total of 167 Class 4A participants nationally putting us in the top 5%, and we were 2nd out of a total of 9 Class 4A stations in Ohio putting us in the upper 22%. The 4A high score nationally was 15,476 (KB4FT, AL) and the 4A high score in Ohio was 15,458 (K8ES, Delaware ARA). The next closest club to us in Ohio had 5,710 (W8HN, Medina 2 Meter Club).

The PCARS score of 9,526 was slightly below our all-time high of just a bit over 10,000 set in 2011. 2013 saw PCARS breaking its all-time CW record of a whopping 831 QSO's. Phone and Digital contacts were a bit behind 2011 levels but still very good.



Rick, K8CAV

Besides doing quite well in scoring, PCARS Field Day outdid itself – again - in providing an event for all club members to enjoy no matter if you were a member of the team, operating, or just sharing some great fellowship with a fun group of folks!

And for those with inquiring minds, yes PCARS got listed twice in the Field Day results page in QST, once under K8BF and once under K8CAV. I submitted the original entry document with my call instead of K8BF. The contesting section at ARRL headquarters was to have deleted the K8CAV entry but that obviously didn't happen. Now if we could just combine those two entries together for our final score ... hi hi.

Thanks again to everyone who participated in PCARS Field Day 2013 and don't forget to set aside June 28-29 2014 for PCARS Field Day 2014!



73,

Rick, K8CAV
2013 Field Day Chairman



Congrats to W8KNO

Joe, W8KNO earned two nice certificates in the mail to add to his collection:





Air Supply for a Spud Gun



I built my antenna launcher based on the plans in the **QST** magazine. It works great and I have used it many times. The only problem I have had is charging it with air. Usually when I find that perfect branch, I have my hands full with the launcher, rope and stakes. If I miss the shot, I gotta go back and pump up the launcher and then start over again.

This summer, at OSPOTA, I found myself looking at the perfect branch in the Salt Fork woods. Of course I missed the first shot. (Actually, I hit the branch and bounced the carrier right back at me. **Be careful!**) So, I had to go back out and recharge the gun. The only problem was that I was looking up at tree branches and not watching where I was walking. It was then that I realized I was tangled up in thorn bushes.

I wasn't going to give up on that limb, so I ripped back through the briars and recharged my gun. Fortunately, the second shot was good. My legs got scratched up pretty bad even through jeans. Glad I wasn't wearing shorts.

I don't mind getting scratched up for the purpose of getting the antenna where i want it. It's my stubborn choice of finding that perfect limb anyway. But to have to do it more than once? There has to be a better way.

At a bicycle store I found the better way! It's an emergency bicycle tire inflator. It uses a standard 12 gram CO2 cartridge. The package says it will inflate a bicycle tire to 90 pounds. I bought one and tried it out on my antenna launcher.

One 12 gram cartridge fills my launcher to 43 pounds of pressure. Usually, I only fill it to 35 to 40 pounds, so this is just about right. The inflator fits in my pocket along with a few CO2 cartridges. I can now recharge my antenna launcher without having to move from where I'm standing.

In bulk, the cartridges are about fifty cents each. A small price to pay for saving a bunch of time and bloodletting.



A word of caution if you built your launcher from the QST article: The one described uses a water sprinkler valve which runs on 24 volts. As the article stated, two 9 volt batteries in series works well. However, I have found that if your batteries get a little low, they may not open the valve when it is under pressure. The only way to discharge the gun is to use the bleeder valve built in to the sprinkler valve. When you open the bleeder valve, the main valve will suddenly open as well. If you find yourself in this situation, make absolutely sure you do not have a projectile loaded and it is not pointed toward anyone.

73,

John, KB8UHN



CW Sig - November Meeting

The November CW SIG focused on the HB1A, a very compact, multi band CW transceiver. The rig was set up using a parallel conductor wire antenna and Elecraft T1 tuner. The antenna installation was far from perfect, but served the purpose. Strung inside the garage area at the club site, several signals were heard, but no contacts.

Also in operation was the MFJ Cub transceiver. This Cub model is set for the CW portion of the 20 meter band and works well. The Cub is a "non-keyer" rig so an external keyer or straight key is needed. The MFJ Cub is also available on other popular amateur bands.



An external powered speaker was connected to both radios as they do not have a speaker built in. For minimalists, either radio with a key or paddle and ear buds, a small battery, and wire antenna at resonance should fit in a small shoulder bag or small backpack. Adding a small tuner like the Elecraft T1 and a random wire and your multiband capable.

Now, you can't possibly head outdoors with your compact station without adding to your fun by being able to whip up some culinary delight. With the ability to cook a nice hot meal you could extend your time in the field with the radio. Add a tarp, or tent, and sleeping pad/bag, you just might be off for a whole weekend of fun!

Being prepared is a well worn topic, but it does apply to all of us. As licensed amateur radio operators, we may be in a position to provide much needed emergency communications. Also consider this prepared-ness mindset being valuable if you are a volunteer for a non emergency event like a foot race, marathon, bike race, etc. It really doesn't take much to be a little more prepared and comfortable.

During the CW SIG I demonstrated a very simple way to cook a meal. I used a compact alcohol stove and a small cooking kit. This "compact kitchen" could provide a hot beverage or a cup of soup or any number of other "almost ready to eat" items quickly and easily. The cost of my small survival kitchen is about \$30 including the ramen noodle soup and instant coffee. The fuel for the stove is denatured (not drug store rubbing alcohol) alcohol which is available everywhere. About 2 ounces of fuel will boil a quart of water in approximately 7 minutes.



From an emergency responder's perspective, if these items or similar ones are in your "go bag" you are far more prepared to take care of yourself than most others. And...You have just removed yourself from the "I need help" list and now you can focus on the task at hand.

I have included links of interest for those who wish to develop their self sufficiency. And... my disclaimer.... " I am not an expert in survival, radio, hand to hand combat, car repair, celestial navigation or any myriad of other things". That being said, I have practiced the craft of outdoor living and would be happy to share what I know with anyone. Happy and Safe Holidays to all !!

Dave, WB2DFC

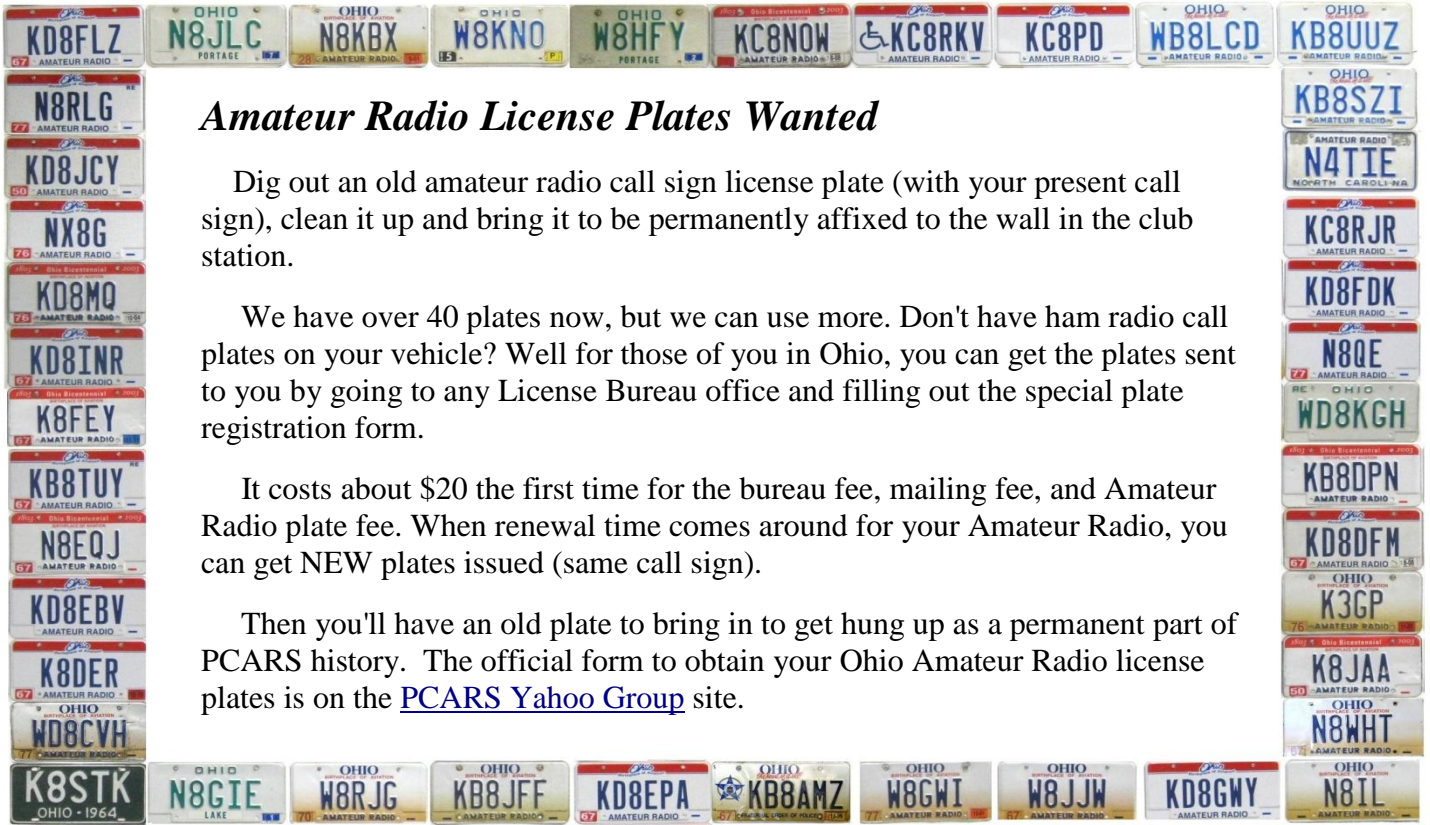
Links to information in this article: <http://www.thepathfinderstore.com/>

<http://www.youtube.com/user/wildernessoutfitters?feature=watch>

<http://www.mfjenterprises.com/Product.php?productid=MFJ-9320W>

<http://www.youkits.com/>

<http://www.elecraft.com/T1/T1.htm>



Amateur Radio License Plates Wanted

Dig out an old 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 club station.

We have over 40 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.

It costs about \$20 the first time for the bureau fee, mailing fee, and Amateur Radio plate fee. When renewal time comes around for your Amateur Radio, you can get NEW plates issued (same call sign).

Then you'll have an old plate to bring in to get hung up as a permanent part of PCARS history. The official form to obtain your Ohio Amateur Radio license plates is on the [PCARS Yahoo Group](#) site.



PCARS Meetings

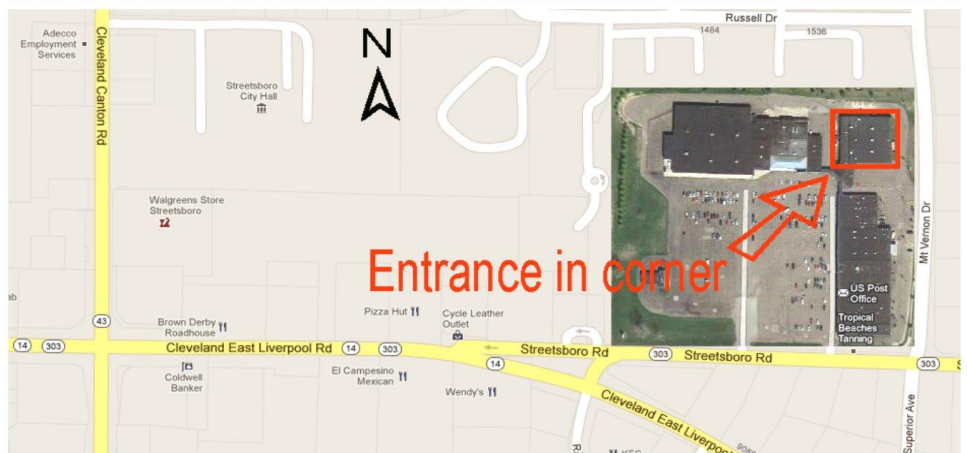
The Portage County Amateur Radio Service (PCARS) meetings are held the **2nd Monday** of each month.

Meetings are at:

Stringz & Wingz
1543 State Route 303
Streetsboro, OH 44241
www.stringzwingz.com



PCARS meeting - 7:00 pm
Second Monday of
Every Month

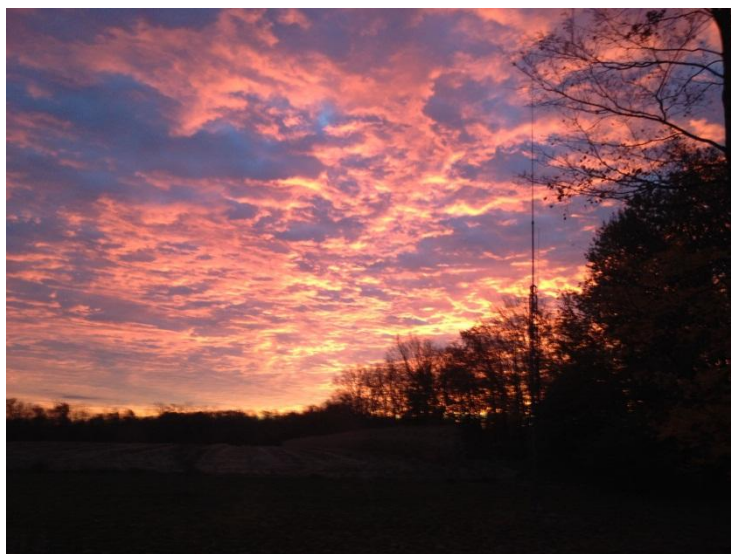




The Grey Line is out there

The XYL Nancy took the attached photo with her I-phone this morning (Nov. 6th) at sunrise. The 52' Hy-Gain Hy-Tower, which I "imported" from Georgia and finally erected yesterday, is at the far right, sorta hidden by the trees. MUCH less visual impact than I had anticipated.

The Hy-Tower tunes beautifully on 20 and 40; horrible on 80 – pretty much what the manual's SWR curves show. (I did not install the 10 and 15m stubs.) Inexplicably, this antenna was designed for the part of the band above 3.8 Mhz. Sad. I'm working on a plan to move the resonant point down to 3.5-3.65 MHz where it will be useful.



At ground level (actually just a bit below the surface): 52 radials, about 3200' of #14 wire. The Hy-Tower's ground system is shared with that of the 80' AN Wireless tower (bonded together) and includes 550' of #2 wire, about 40' of #4 wire, and 35 ground rods. The Hy-Tower is fed with LMR-600 in 1.5" conduit.

73,

Rick, K8GI



ARRL Files "Symbol Rate" Petition with FCC

The ARRL has asked the FCC to delete the symbol rate limit in §97.307(f) of its Amateur Service rules, replacing it with a maximum bandwidth for data emissions of 2.8 kHz on amateur frequencies below 29.7 MHz. The ARRL Board of Directors adopted the policy underlying the petition initiative at its July 2013 meeting. The petition was filed November 15.

"The changes proposed would, in the aggregate, relieve the Amateur Service of outdated, 1980s-era restrictions that presently hamper or preclude Amateur Radio experimentation with modern high frequency (HF) and other data transmission protocols," the League's petition asserted. "The proposed rule changes would also permit greater flexibility in the choice of data emissions." Symbol rate represents the number of times per second that a change of state occurs, not to be confused with data (or bit) rate.

Current FCC rules limit digital data emissions below 28 MHz to 300 baud, and between 28.0 and 28.3 MHz to 1200 baud. "Transmission protocols are available and in active use in other radio services in which the symbol rate exceeds the present limitations set forth in §97.307(f) of the Commission's Rules, but the necessary bandwidths of those protocols are within the bandwidth of a typical HF single sideband channel (3 kHz)," the ARRL's petition pointed out.

The League said that while bandwidth limitations are reasonable, the symbol rate "speed limit" reflective of 1980s technology, prohibits radio amateurs today from utilizing state-of-the-art technology. Present symbol rate limits on HF "actually encourage spectrum inefficiency," the League argues, "in that they allow data

transmissions of unlimited bandwidth as long as the symbol rate is sufficiently slow." The League said eliminating symbol rate limits on data emissions and substituting a "reasonable maximum authorized bandwidth" would permit hams to use all HF data-transmission protocols now legal in the Amateur Service as well as other currently available protocols that fall within the authorized bandwidth but are off limits to amateurs.

The League said it's been more than three decades - when the Commission okayed the use of ASCII on HF - since the FCC has evaluated symbol rate restrictions on radio amateurs as a regulatory matter. "The symbol rate restrictions were created to suit digital modes that are no longer in favor," the ARRL noted in its petition. Modern digital emissions "are capable of much more accurate and reliable transmissions at greater speeds with much less bandwidth than in 1980."

As an example, the League pointed to PACTOR 3, which is permitted under current rules, and PACTOR 4, which is not. Despite PACTOR 4's greater throughput, both protocols can operate within the bandwidth of a typical SSB transmission.

"If the symbol rate is allowed to increase as technology develops and the Amateur Service utilizes new data emission types, the efficiency of amateur data communications will increase," the ARRL concluded.

ARRL General Counsel Chris Imlay, W3KD, has emphasized that there is no broader plan on the League's part to seek regulation by bandwidth.

The FCC has not yet assigned an RM number and put the League's petition on public notice for comments, and there is no way to file comments until that happens.

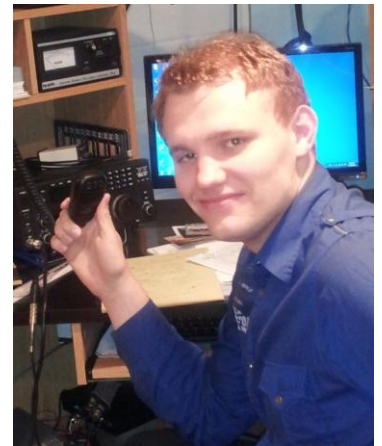
From the ARRL



Thursday Night PCARS Nets

Hey! You been checking into the net? Why not? The PCARS net meets every Thursday evening at 8:00PM (local) on the K8IV repeater. Lately we've had quite a few Echo-link check ins. On the Thanksgiving net, KC8PD checked in from a football field in Starkville, MS and kept his 400+ streak going! There were also echo-link check-ins from AR, NC, SC and CFOH (Cuyahoga Falls, OH), in addition to the local RF check-ins.

At the other end of the spectrum, we had the first check-in from Mike, KD8VWY. Not only his first check-in to the PCARS net, but his first ever contact on the ham bands with his new license – Congratulations Mike!



Mike, KD8VWY

So, somewhere in between been on every net, to very first one, there's a spot for you on the PCARS nets. Stop in and let us know what you're doing. You can hear what's coming up with PCARS (or at the very least, when your newsletter articles are due). And if you check-in 10 weeks in a row, you're eligible for a swell PCARS Net Certificate! Let's see if we can have the biggest and the BEST weekly net in the OH Section. We'll need your check-in to make that happen. Hear you on the net!

73,

Tom, WB8LCD



Special Event Stations Educate, Entertain

I like special event stations. I enjoy operating them and making contact with them. Whenever I operate WA2HOM, our club station at the Ann Arbor (MI) Hands-On Museum, one of the first things I do is to search for special event stations.

One of the reasons I enjoy operating special event stations is that it's educational. For example, on November 17, I worked W4D in Mayaguez, Puerto Rico. They were commemorating the 520th anniversary of the discovery by Europeans of the island of Puerto Rico. As a result, I learned that on November 19, 1493 Christopher Columbus landed on the island, naming it San Juan Bautista in honor of Saint John the Baptist, a name that was later changed to Puerto Rico (rich port).

Working special event stations is also entertaining. Most times when you work a special event station, you can tell that they're having a good time. One time, I worked W4B, operating from the Kentucky Bourbon Festival. Now, those guys were really having a great time!

How do you find special event stations? One way to find special event stations is to just tune around. Most special event stations will be operating at least a 20m phone station, so take a look at that band first. Also, consult the special event stations listings in QST or on the ARRL website (<http://www.arrl.org/special-event-stations>). KE2YK also has a special events page (<http://ke2yk.wordpress.com/special-event-station-events/>).

In addition to working special event stations, you should consider organizing and operating one of your own. For the past two years, several members of our Rotary Club who are also amateur radio operators have operated W8P on the third weekend in February, which commemorates the founding of the Rotary Club and helps spread the word about the End Polio Now campaign (<http://www.endpolio.org/>). It was not only fun to do this, but I think that we helped raise awareness about polio around the world.

Whatever your reason for holding a special event, you'll want to be somewhat knowledgeable about your topic. For example, if you decide to set up a special event station at the local Rutabaga Festival, you might want to know how long they've been having the festival, how many pounds of rutabagas are produced by local farms and around the U.S., and maybe even find a couple of rutabaga recipes that you could send out to stations that work you.

Dan, KB6NU

When he's not working special event stations, Dan, KB6NU enjoys building kits and working CW. For more information about his operating activities and his "No-Nonsense" series of amateur radio license study guides, go to KB6NU.Com or e-mail cwgeek@kb6nu.com.



OSPOTA 2013

We hope that all the participants in the 6th annual 2013 Ohio State Parks On The Air (OSPOTA) event had a great deal of fun and will continue with their participation in 2014. We want to congratulate those who finished in the top three places of their respective categories and a special congratulation to the top point getter.

As has been the rule, OSPOTA is an opportunity to visit and enjoy the amenities of Ohio's 74 State Parks. As in previous years, scores of Amateur Radio operators around the country took part in the event. And with its success, OSPOTA has spawned similar events in other states. We hope it continues to spread so that at some time in the future, all 50 states will have their own State Parks On The Air events.

This is my last year as Committee Chairman. I will be passing the torch to KB8UUZ who I know will keep this event flying high. Until we meet again in the 2014 OSPOTA, 73.

Chuck, W8PT

Ohio State Parks On The Air



Greetings From OSPOTA 2013 (Ohio State Parks On The Air)

From the Portage County Amateur Radio Club's OSPOTA Committee, we would like to extend our appreciation for your participation in the sixth annual Ohio State Parks On The Air contest. You are now part of history and our hope is that it will be a long and rewarding one.

The OSPOTA contest was conceived with three main goals in mind: 1. To promote public awareness of ham radio and Ohio's beautiful State Park system; 2. To contribute to the recognition that Ohio has a very diverse and wonderful ecology; and 3. To promote camaraderie within the ranks of Ohio's Amateur Radio Operators. It has been with your participation that we believe those goals were achieved.

To those of you who placed in the top three spots in each category, congratulations on your efforts. You deserve your awards for your operating skills. We are counting on everyone doing even better in 2014.



So until September 6, 2014, 73!

Chuck, W8PT OSPOTA Chairman
Tom, KB8UUZ, Joe, W8KNO, John, KD8MQ
OSPOTA Committee Members



OSPOTA Web Site: <http://www.ospota.org>

OSPOTA is sponsored by the Portage County Amateur Radio Service, Inc. (PCARS)

PCARS Web Site: <http://www.portcars.org>

OSPOTA 2013 General Information:

63 parks activated	8 parks did not submit log	94 logs submitted
8 out of state logs submitted	38 Clubs represented	Top Score this year - 18,411

Participating Clubs: Ashland Area Amateur Radio Club, Ashtabula County ARES, Athens County Amateur Radio Association, Canton Amateur Radio Club, Central Ohio Operators Klub Extra-Novice, Coshocton County Amateur Radio Association, CRES, Defiance County Amateur Radio Club, Drake Amateur Radio Club, E.O.A.W.A., Fayette Amateur Radio Association, Fulton County Amateur Radio Club, Goodyear Amateur Radio Club, Hamilton County Amateur Radio Public Service Corps, Hickman County DX Group, Highland Amateur Radio Association, Hocking Valley Amateur Radio Club, Huron County Amateur Radio Society, Jackson County Amateur Radio Club, Lake County Amateur Radio Association, Louisiana Contest Club, West Park Radio Ops, Mahoning Valley Amateur Radio Association, Massillon Radio Club, Media Two Meter Group, Mercer County Amateur Radio Association, Milford Amateur Radio Club, Portage County Amateur Radio Service, Reservoir Amateur Radio Association, Sandusky Radio Experimenters League, Scioto Valley Amateur Radio Club, Sober For The Day Amateur Radio Club, Steubenville-Weirton Amateur Radio Club, Triangle Amateur Radio Club, Trumbull County ARES, Wabash Valley Amateur Radio Association, Warren Amateur Radio Association, West Chester Amateur Radio Association

OSPOTA 2013 - Scores

Multi Op-Multi-Radio-High Power-In a Park		
Call	Park Name	Score
AB8DD *	Kiser Lake	18,411
W8MRC **	East Fork	17,346
K8CY **	Geneva	16,250
WW8OH	Dillon	15,800
WB8LCD	Tinker's Creek	12,788
K8BLP	Guilford Lake	10,600
W8VTD	Mosquito Lake	10,397
K8QYL	Grand Lake St.Marys	7,392
K8FAY	Deer Creek	4,750
W8TCA	Beaver Creek	4,708
K8BXQ	Harrison Lake	4,601
K8UU	Hueston Woods	4,085
W8NP	Kelly's Island	3,904
K8LGN	Lake Logan	3,360
W8C	Little Miami	2,546
N8BC	Headlands Beach	2,418
KC8UNR	West Branch	2,318
KD8SIZ	Punderson Lake	1,305

Multi Op-Multi Radio-Low Power-In a Park		
Call	Park Name	Score
W8FHF **	Blue Rock	11,400

Multi Op-Single Radio-High Power-in a Park		
Call	Park Name	Score
W8GBH *	Barcamp	12,688
W8ZPF **	Buckeye Lake	6,650
K8IYO **	Pike Lake	5,625
W8CWO	Jefferson Lake	5,117
KC8WIT	Marblehead Lighthouse	3,276
K8MSH	Lake Milton	3,080
W8AL	Portage Lakes	3,040
KZ8XU	Sycamore	2,415
W8UKE	Strouds Run	2,232
W8NL	Mt. Gilead	870
K8YOJ	Little Miami	418
KC8WN	Adams Lake	240
KC8WIX	Shawnee	230
W8LBZ	East Harbor	Check Log
K8HO	Rocky Fork	Check Log

Multi Op-Single Radio-Low Power-in a Park		
Call	Park Name	Score
N8WL *	Great Seal	8,050
KD8FTR **	Mohican	726

Single Op-High Power-In a Park		
Call	Park Name	Score
NX8G *	Wolf Run	12,168
KD8BBK **	Salt Fork	11,760
K8FH **	Findley	11,077
KD8MQ	Lake Hope	8,208
NB8I	Portage Lakes	6,946
W8GU	Wingfoot Lake	6,627
NF8O	Malabar Farms	5,520
KD8XL	Lake Alma	5,060
N8RAC	Van Buren	3,822

W8WZZ	Tar Hollow	3,784
WC8Z	John Bryan	3,078
K8CAV	Mt. Gilead	3,040
K8FEY	Pymatuning	2,409
AB8XX	North Bass Island	2,280
WB3AFS	South Bass Island	1,674
K8VON	Independence Dam	1,386
W8PT	Nelson Kennedy Ledge	560
AB8XX	Caesar Creek	299
W8GWI	Quail Hollow	63
KC8SIQ	Muskingum	49
WA8UXP	Lake Milton	16
WA8UXP	West Branch	16
WA8UXP	Nelson Kennedy Ledges	12
WA8UXD	Mosquito Lake	12
WA8UXP	Portage Lakes	12
WA8UXP	Punderson	12
WA8UXP	Quail Hollow	12
WA8UXP	Wingfoot Lake	12
KC8SIQ	Blue Rock	Check Log

Single Op-Low Power-In a Park		
Call	Park Name	Score
N8MWK *	Burr Oak	2,623
N8UVM **	Lake Hope	1,813
KB8UHN **	Salt Fork	1,110
NF8U	Muskingum River	441
WV8P	Middle Bass Island	30

Single Op-In Ohio-Not In Park	
Call	Score
W8EOT *	3,366
W8GTS **	1,702
W1SCR **	1,224
K8YN	858
KB8TUY	768
WO3X	616
WB8FZW	540
KA8JIM	528
WB8YHD	437
KB8UUZ	360
AB8OU	272
AC8NF	255
KD8ORN	121
K8SRR	81
KC8LKB	81
W8KNO	Check Log



* = Framed Certificate
** = Certificate

Single Operator-Outside of Ohio		
Call	State	Score
N4NY *	South Carolina	2,068
KJ4KVC **	Tennessee	1,024
N8YHA **	Wisconsin	810
N3CU	Pennsylvania	725
KC9YHB/P	Indiana	324
KA3UOL	Pennsylvania	256
W9KTP	Indiana	144
AK4MD	Florida	36

25 Nov 2013



Ham for the Holidays

With a “Christmas In July” theme, and using the melody of the song “The Twelve Days Of Christmas”, I’ve created a new tune, as it were...”The Twelve Days Of Hamming”.

While metrically correct in what’s noted, since any singing on ham radio is defined as music...no matter how badly one sings...and since music is prohibited on ham radio...I obviously can’t sing these on the air. That means not even Tenor Solo...which is Ten Or Eleven Miles away, and So Low that no one can hear it. This is even though I sang the Tenor Vocal Part in High School, College, and Church Choirs, for 25 years...before declining health put an end to that.

On The 1st Day Of Hamming, My Radio Gave To Me:

A license, callsign, from the FCC.

This is obviously needed for one getting on the air in the first place. Today, the Technician Class license is the Entry Level License into Amateur Radio. Morse Code is no longer required for a ham radio license, but you can still learn and use the original digital mode, CW... and many ham radio operators do just that. But, you no longer have to prove that you know Morse Code at the license exam session.

There are several options for studying for a ham radio license exam, which are multiple choice, and the can be with, or without schematic diagrams. If you pass an exam, congratulations!!

Unlike years ago, when you had to have the paper copy of your license “in hand” before you transmitted for the first time, you now can get on the air as soon as your callsign appears in the FCC ULS database. Normally, this can be anywhere from 4 days to 2 weeks after you take the license exam. Also, you’re the only one in the world with that specific ham radio callsign.

Unfortunately, in the event of a U.S. Government Shutdown, as was the case in late 2013...the FCC and many other agencies are limited to “functions for the safety of life and protection of property”, and that does NOT cover granting new or upgraded ham radio licenses. As a result, new licensees would have to wait until the shutdown ended, and the FCC re-opened...to get their exam results processed, get their callsign, and then get on the air.

Examinees with a callsign that upgrade can still use their new privileges, which will be noted momentarily, even during a “shutdown”. However, the Certificate Of Successful Completion Of Examination is good ONLY for 365 days from issuance...so, here’s hoping the “shutdowns” that occur don’t last too long.

Note that there’s no disgrace whatsoever in failing a ham radio license exam. Not every amateur radio operator has passed their exam on the first try. And for some, it takes a large amount of tries before they pass. But, once you do pass the exam, even if just barely...as far as anyone else is concerned...once you have your callsign, you made a PERFECT SCORE on the exam. And, it’s no one else’s business on what your score was, how many times it took you to pass the exam, etc.

Examinees who are disabled in some way...or who may have learning disabilities or other issues...can request special exam accommodations at the exam session. However, they must contact the Test Session Leader as far in advance of the exam session as possible, so that proper arrangements can be made. Medical documentation may be required if the disability is not obvious.

On The 2nd Day Of Hamming, My Radio Gave To Me:

2 license upgrades...and a license, callsign, from the FCC.

Starting with the Technician Class license, the other two licenses available are the General...the one that most hams hold...and the Amateur Extra Class license. While Novice and Advanced Class operators are still around, no new licenses for these are being issued...but holders of these licenses may renew them at the appropriate time.

Also, once you have your license and callsign, if you pass a higher license class exam at a test session, you can use your new privileges immediately, with special suffix identifiers when you are on the upgraded bands, until the upgrade shows up in the FCC ULS. Again, as noted earlier, the Certificate of Successful Completion of Examination (CSCE) is only good for 365 days from issuance. Plus...General, Advanced, and Amateur Extra Class licensees can also apply to become Volunteer Examiners (VE's), who give and grade the exams...as long as their license is unexpired, it has never been suspended or revoked, and they're at least 18 years of age. Once they've passed the accreditation process by the particular Volunteer Examiner Coordinator (VEC), they can serve at any license session done by that VEC...providing the Test Session Liaison OK's them to serve. A General Class VE can give and grade the Technician Exam ONLY...the Advanced Class VE can give and grade both the Technician and General exams (but NOT the Amateur Extra exam)...and the Amateur Extra Class VE can give and grade any of the exams.

As a side note, being a Volunteer Examiner is the most rewarding thing that I've ever done in amateur radio.

On The 3rd Day Of Hamming, My Radio Gave To Me:

3 different radios...2 license upgrades...and a license, callsign, from the FCC.

The “main bands” in ham radio are now HF (160, 80, 75, 60, 40, 30, 20, 17, 15, 12, and 10 meters)...VHF (6, 2, and 1.25 meters), and UHF (70, 33, and 23 centimeters).

There are other bands as well, but these are the main ones, noted on frequency charts of the various license class privileges.

Many ham radio transceivers...whether base station, handi-talkie, or mobile...are transmitting in just a single band. However, others now can have transmitting capabilities via dual band, tri-band, or even quad-band. And, the way that technology is advancing...in the not to distant future, more transmitting bands in a radio may be covered.

Some radios even have “out of band receive”...where you can listen to such things as aircraft, railroads, NOAA Weather Radio, regular broadcast stations, and more.

On The 4th Day Of Hamming, My Radio gave to Me:

4 sets of antennas...3 different radios...2 license upgrades...and a license, callsign, from the FCC.

G5RV's, J-Poles, Cubical Quads, and Mag mounts, are among the many types of antennas available to work the various bands. Some are small, and simple to build, set up, and work with...while others are on huge towers of stations that literally “work the world” with amateur radio.

On The 5th Day Of Hamming, My Radio Gave To Me:

5 Band DXCC...4 sets of antennas...3 different radios...2 license upgrades...and a license, callsign, from the FCC.

One of the most prized awards in amateur radio...and one of the most difficult to obtain, it's gained by making contacts in at least 100 different countries around the world, on 5 different amateur radio bands...using the desired mode, voice or digital.

On The 6th Day Of Hamming, My Radio Gave To Me:

6 Meter Clean Sweep...5 Band DXCC...4 sets of antennas...3 different radios...2 license upgrades...and a license, callsign, from the FCC.

Called “The Magic Band”, the area just above HF, and at the low end of the VHF spectrum; when tropospheric ducting occurs, inducing “skip”; one can literally work coast to coast, or even across the ocean on 6 meters.

Technician Class licensees and above have full access to this band.

The 6 Meter Millenium Net meets on Wednesday night at 8pm Central Time, on 50.13 Mega Hertz in the Teanec, New Jersey (New York City) area...and on Echolink via the NJ2BA-L Echolink node. The net is suspended when the band is open...as some nights, one has been able to work from New England to Florida on 6 meters. Search for “Six Meter Millenium Net” with your favorite search engine, for their website, for more details.

On The 7th Day Of Hamming, My Radio Gave To Me:

7 nights of Net Logs...6 meter Clean Sweep...5 Band DXCC...4 sets of antennas...3 different radios...2 license upgrades...and a license, callsign, from the FCC.

There are literally nets on every night of the week...on various bands and modes. This includes HF, VHF, UHF, D-Star, or VoIP...such as Echolink and CQ100. The nets can be either voice or digital in nature...and can consist of either Formal Writtern Traffic...Traders Nets (where ham radio operators can list ham radio gear that they want to buy, sell, or trade)...on a special topic such as weather, trains, cooking, or even Bible Study...or a general ragchew or roundtable net.

The format of the nets is determined by Net Control, and all stations will contact Net Control before attempting to contact other stations on the net...as all nets are DIRECTED. Stations that check in are also required to follow directions of Net Control, as well as Net Protocol, format, etc.

As a side note, the nice thing about D-Star, is that the callsign of the transmitting station is automatically sent when they transmit...whether to speak, or for what's known as a “quick key check in” to a net. This is whether this is done into a D-Star Repeater or a D-Star Reflector, if these are connected to an Internet Gateway. So, basically, there's “no way to hide” on D-Star; whether one's transmitting via a DV Dongle, using a DVAP with their radio, or on a D-Star repeater with their rig. It's affectionately known as “Echolink On Steroids”, and I use it more for nets during the week than I do Echolink. The Memphis D-Star Net on Friday night also has a “Chat Room” with the D-Rats program...where users can check into the net, and also chat with each other while the net is in progress. Plus, hams on D-RATS can find other hams with the Maps Feature, and send messages and files to other hams as well.

On The 8th Day Of Hamming, My Radio Gave To Me:

8 the Hamfest Start Time...7 nights of Net Logs...6 meter Clean Sweep...5 Band DXCC...4 sets of antennas...3 different radios...2 license upgrades...and a license, callsign, from the FCC.

Most hamfests are just half day events for a few hours, usually on a Saturday. However, some can be as much as 3 days, such as the Dayton Hamvention™, held in mid-May each year in Ohio. Venues of where the activities are held...the availability of license exam sessions...the number of forums, dealers, and flea market vendors...plus costs for transportation, lodging, and meals in the area, event admission, prize tickets, prizes offered, and tables for vendors...among other things, vary by event.

In most cases, the start time for these events is 8am local time. And, for many...that means an “early wake-up call”...so, they can make the long drive, to get there when the hamfest opens. This is so they can either get good deals at the flea market, or from dealers...or taking part in a forum, an license exam session, and more.

Some 2 days events may start on a Friday afternoon, then continue for much of the day on Saturday. With these hamfests, you must be a licensed amateur radio operator to win the radio prizes. Everyone must be present to win any of the prizes awarded...with the exception of the Grand Prize, which is usually awarded at the end of the hamfest...when the crowd usually “parts like the Red Sea” (grin!).

On The 9th Day Of Hamming, My Radio Gave To Me:

9 modes on digital...8 the Hamfest start time...7 nights of Net Logs...6 meter Clean Sweep...5 Band DXCC...4 sets of antennas...3 different radios...2 license upgrades...and a license, callsign, from the FCC.

Operating digital is the beauty of ham radio, as you can go farther on that mode than with voice...although many hams refer to voice as “phone”. Nine such modes are CW (also known as Morse Code), Packet, APRS, Radioteletype (also known as RTTY or “ritty”...there are least 2 big RTTY contests each year), PSK31, JT-65, Amateur Television, MT-63, and Amtor, which is Amateur Teleprinting Over Radio.

There are many more modes in the hobby...digital and otherwise...but for this setting, this will suffice. And, the digital modes can be used in the “digital portions” of nearly all amateur radio bands available to your license class. In other words, digital modes are not just for HF.

As a side note, when I was still able to have an HF setup and indoor antennas at my apartment; one day, on 20 meters, using an indoor antenna, with just 15 watts of power...inside my apartment, with the windows closed...I worked a station in Utah, 1000 miles away, on JT-65!! Plus, I was seeing other stations on the other side of the world!! And, one time, I saw a demo of PSK31, where you had around 10 QSO's in a narrow bandwidth space. Various software programs...freeware and shareware...are available. For those who don't want to “talk” on ham radio, digital is the mode for you!! Depending on the mode of operation, and the software used...your computer will do the logging, and identify your station for you. You just type in what you want to say.

A while back, I heard of 2 ham radio operators in the Hawaiian Islands, who could not get a decent voice QSO. So, they went up into the digital portion of the 70 centimeter band...fired up their computers and software...and went into PSK31 mode. They reportedly “never had such a good QSO”. While PSK31 is not “error free”, as Packet Radio is...you can still get a good idea of what is being typed, with the QSO at hand.

On The 10th Day Of Hamming, My Radio Gave To Me:

10 Different Wouff Hongs....9 modes on digital...8 the Hamfest start time...7 nights of Net Logs...6 meter Clean Sweep...5 Band DXCC...4 sets of antennas...3 different radios...2 license upgrades...and a license, callsign, from the FCC.

Founded by T.O.M. (“The Old Man”, W1AW, the late Hiram Percy Maxim himself), The Royal Order Of The Wouff Hong is a “secret society”...with the device to be used as a mode of discipline and correction on

“lids”...which are ham radio operators with poor on the air habits. No explanation or details are known on how the discipline...or mode of discipline...is to be administered to the miscreant amateur radio operator.

You must be a paid up ARRL member...either for the current year, or an ARRL Life Member...to participate; and the initiation ceremony is done only at ARRL Division or National Conventions. There are no dues, no officers, and no politics in The Royal Order Of The Wouff Hong. And, there's nothing degrading or vulgar during the ceremony. You will do a lot of laughing...plus, participants get a very nice certificate afterwards. I personally have gone through it twice...first at the 2007 ARRL Great Lakes Division Convention in Cleveland, Ohio...then at the 2013 ARRL Delta Division Convention in Rogers, Arkansas...and look forward to doing so again.

A picture of The Wouff Hong...plus, the Rettysnitch... and Ugerumph... and a history of each... can be found at <http://www.rettysnitch.org>

On The 11th Day Of Hamming, My Radio Gave To Me:

11 new harmonics...10 Different Wouff Hongs....9 modes on digital...8 the Hamfest start time...7 nights of Net Logs...6 meter Clean Sweep...5 Band DXCC...4 sets of antennas...3 different radios...2 license upgrades...and a license, callsign, from the FCC.

Not all ham radio operators will get married, and have a family...especially a large one...and the total number of harmonics may be like one or two, instead of eleven. However, the bottom line is that we need to get new blood into the hobby...to replace those who are leaving the hobby by either letting their licenses lapse...or they die (becoming Silent Keys).

I have been at license exam sessions...as both a VE Session Liason, and as an Administering VE...where the entire family (father, mother, and children) have all gotten their Technician Class licenses in the same day!! Talk about making ham radio a “family affair”, and it was truly a joy to sign the CSCE's of the entire new ham family.

Basically, the youth of today are the ham radio operators of tomorrow. In short, if we don't replace these operators that are no longer in the hobby...attrition will kill it...no pun intended.

On The 12th Day Of Hamming, My Radio Gave To Me:

12 hours at Field Day...11 new harmonics...10 Different Wouff Hongs....9 modes on digital...8 the Hamfest start time...7 nights of Net Logs...6 meter Clean Sweep...5 Band DXCC...4 sets of antennas...3 different radios...2 License upgrades...and a license, callsign, from the FCC.

Always held on the 4th full weekend of June each year, ARRL Field Day is a chance for ham radio operators to set up portable operations in a wide variety of locations...running on emergency power for 24 hours...and to show the public, that truly...”When All Else Fails, Ham Radio Is There”.

A similar event, known as Winter Field Day, is sponsored by the Society For the Preservation Of Amateur Radio, or S.P.A.R. It's held during the last part of January, usually the last full weekend of the month. Search for “Winter Field Day” with your favorite search engine...and look for the link with “Society For The Preservation Of Amateur Radio”.

Daryl, WX1DER



Pictures from PCARS November Meeting



PCARS 11 Nov 2013

From All of Us



To All Of You

Merry Christmas

WB8LCD	N8WLE	WX1DER	WA8CCU	KD8JRK	KD8QEJ	KD8TNX
KC8PD	AK8U	N8QE	WA8SJU	KD8MLF	KD8QDZ	KK4MRR
KB8UUZ	KC8SYD	K8CAV	K8FS	KA8SWC	WD8PME	KB8CLH
KB8VJL	N8PXW	K8SRR	KC8YYS	KD8MLE	KD8RHV	KA8OAT
W8KNO	K8IV	WA8AR	KD8VT	KD8NLQ	KD8RHW	KD8VCK
KB8DPN	KD8EPG	K8GI	N8HUC	KW8KW	N8WWG	KD8UXI
KB8SZI	KC8LJY	KD8HGI	KB3OQV	N8ONI	KD8RJV	KD8UXJ
KD8EPF	KD8EPA	NX8G	KB3GXB	KD8CGH	W8EZT	KD8UXF
N8KBX	K8FEY	KD8CGF	KD8KCY	WA8GCF	KD8SKL	W8DMH
WB8VYW	KD8EPE	KC8DBX	NR8W	A18P	KC8BTN	K8CVZ
W8PT	WB2DFC	KD8GHA	K8DER	KA8TOA	KD8SIZ	AC8NT
N6TL	N8ZDR	N1EZZ	AB8AA	K8MSF	KD8SJA	KD8UXH
KC8RJR	KD8FLZ	N8RLG	K8JAA	WA8OKR	KD8SJB	KD8UXG
N4PKW	KD8FDN	KD8ICP	G0BPS	WD8RAY	W8CYN	KB8VJO
KB8TUY	N8XTH	KD8DFL	KD8LIR	W8RID	KD8SJF	W8JFQ
WB8FEW	KD8FDK	K8JE	KB8UHN	K8STK	KD8SJG	AB8SX
N4IT	K8QF	NT8K	W8CDL	AF1K	KD8SOP	KD8VGY
WB9LBI	AB8YN	K8AAB	KD8MQ	KD8OKK	Arlene	Quentin
WB8VNO	N8GLK	K3GP	N8OQQ	WD8CVH	KA8CMD	
KC8RFT	N8ATV	W8NET	KA8BNS	KD8ERY	AE8YL	
KC8FQV	N8GIE	KD8JCY	Vee	KD8QEI	KD8SSU	
WB8OVQ	KC8KYW	KC8UNR	KC8MXW	KD8PMH	N8ZPS	
WD8BIW	KD8GHB	KDFPP	K8NYM	KD8PTQ	K8MSH	
N8FTP	KD8GGZ	KD8JRE	KJ4MPN	KD8PTQ	KC8TZU	
W8RJG	KB8AMZ	KD8JRI	N8RKA	KD8DQT	Willie	
AB8IE	KD8FME	KD8JRF	KD8LLN	AC1TT	KD8TNY	



Thanks & 73

All of our members (and others) look forward to getting this newsletter every month, so keep sending those inputs! Thanks go out to the contributors for this month's newsletter:

WB8LCD, WB9LBI, KB8UUZ, KI8GW, N8RLG, W8KNO, K8CAV, WX1DER, W8PT, KC8PD, KD8FLZ, KB8UHN, WB2DFC, K8GI, KB6NU, the World-Wide Web and the ARRL.

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



Tom "Parky", KB8UUZ
PCARS Newsletter Editor



***May your Holiday Season be Joyful
and your New Year bring good Health and be Prosperous
and good DX would be nice, too...***





Portage County Amateur Radio Service, Inc. (PCARS)

Membership Application [] New [] Renewal

Name: _____ Call Sign: _____ License Class: _____

Address: _____

City: _____ State: _____ ZIP: _____

Phone: _____ E-Mail Address: _____

ARRL Member? [] Yes [] No ARRL Membership Expires Month: _____ Year: _____

Birthday: Month: _____ Day: _____ (don't need year)

A \$5.00 initiation fee will be assessed in the first year of membership for all new members.

Membership year is Jan 1 - Dec 31. Dues are due no later than Jan 31st. Dues are as follows:

Example - Regular Member Pays on Jan 1st \$20 for entire year. If paid on June 1st, \$15 for entire year, etc.

Check One

Pro-Rated Dues Amount:

- | | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Regular Full Membership | Pay January 1 through May 31= \$20.00 (full year)
Pay June 1 through August 31 = \$15.00 (last 7 months) |
| <input type="checkbox"/> | Associate Membership | Pay September 1 through November 30 = \$10.00 (last 4 months)
Pay December 1 through December 31 = \$5.00 (last month) |
| <input type="checkbox"/> | Regular Senior Full Membership (65+) | Pay January 1 through May 31= \$16.00 (full year)
Pay June 1 through August 31 = \$12.00 (last 7 months) |
| <input type="checkbox"/> | Associate Senior Membership (65+) | Pay September 1 through November 30 = \$8.00 (last 4 months)
Pay December 1 through December 31 = \$4.00 (last month) |
| <input type="checkbox"/> | Family* Member
Call Sign of Regular Member: _____ | Pay January 1 through May 31= \$10.00 (full year)
Pay June 1 through August 31 = \$8.00 (last 7 months)
Pay September 1 through November 30 = \$5.00 (last 4 months)
Pay December 1 through December 31 = \$3.00 (last month) |

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

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

What are *YOUR* Ham Radio interests:

Signed: _____ Date: _____

Mail to: Portage County Amateur Radio Service, Inc.
c/o: Amy Leggiero - KD8SKL
115 Steels Corners Rd. W.
Cuyahoga Falls, OH 44223

Date Received:	<input type="radio"/> New <input type="radio"/> Renew
Initiation Fee: \$	+ Dues: \$ = Total \$
Paid: <input type="radio"/> Cash -or <input type="radio"/> Check	Check #
Date Voted:	Results: Member Number:
<input type="radio"/> Database Updated	

Rev. 25 Dec 2012

Amateur Radio **GENERAL** Class Upgrade Class



The **Portage County Amateur Radio Service, Inc. (PCARS)** is offering a General Class Upgrade course

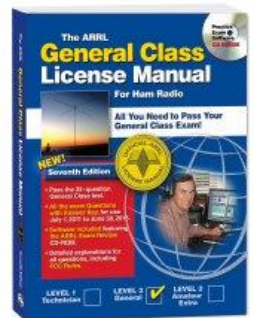
When: Tuesday Evenings 7:00 p.m.
Starting January 14, 2014
License testing will be held on the last day of class March 4th

Where: At the PCARS Club Site located in the
Dietrich Building - 705 Oakwood Street - Ravenna.

Cost: \$25.00 registration fee for non-PCARS members
Your \$25 fee includes a One Year Membership in PCARS
There is **no** fee for current PCARS members

Text – ARRL “*General Class License Manual*”
Books may be purchased from PCARS for \$30.00

Information & Contact: **Tom Sly, WB8LCD**
Registration: by e-mail: **WB8LCD@portcars.org**
or phone: **330-554-4650**



Please register with Tom, WB8LCD by January 2nd
You can pay the registration fee the first night of class

As a **General Class Amateur Radio Operator** you will be able to Contact other ham radio operators in the area around the world on the HF Bands.
It will open up a whole new area of fun for you in Amateur Radio.



Become an Amateur Extra Class - Upgrade Class -



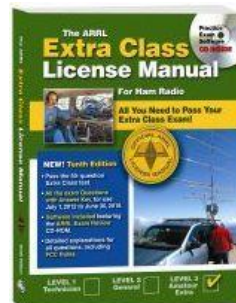
The **Portage County Amateur Radio Service, Inc.**
is offering an *Amateur Extra Class* upgrade class

When: **Wednesday** Evenings 7:00 p.m.
Starting January 8, 2013
License testing will be held on the last day of class March 19th

Where: At the PCARS Club Site located in the
Dietrich Building - 705 Oakwood Street - Ravenna.

Cost: \$25.00 registration fee for non-PCARS members
Your \$25 fee includes a One Year Membership in PCARS
There is **no** fee for current PCARS members

Text – ARRL “*Extra Class License Manual*”
Books may be purchased from PCARS for \$30.00



Information & Contact: **Tom Sly, WB8LCD**
Registration: by e-mail: **WB8LCD@portcars.org**
or phone: **330-554-4650**

Please register with Tom, WB8LCD by January 2nd
You can pay the registration fee the first night of class

As an **Amateur Extra Class Radio Operator** you will be able to Contact other ham radio operators in the area around the world on **ALL** the HF Bands in the USA.
It will open up a whole new area of fun for you in Amateur Radio.





AMATEUR RADIO EXTRA CLASS NOW FORMING



WESTERN RESERVE ARC

IS INVITING YOU TO UPGRADE YOUR
GENERAL CLASS LICENSE
MORSE CODE NO LONGER REQUIRED!

HAM RADIO EXTRA CLASS

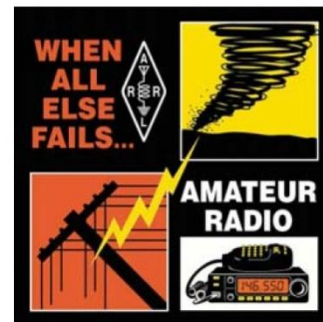
Class Date & Time Thursday Evenings
Jan. 9 thru Mar. 6, 2014 - 7:00 - 9:30 P.M.

Class Location: ITT Tech,
1030 North Meridian Road, Youngstown, OH

*PRE-REGISTRATION AND BOOK
FOR CLASS ARE REQUIRED!*

TO REGISTER AND PURCHASE A BOOK
CONTACT: ALLAN "AL" AVNET AB8AA
ARRL REGISTERED INSTRUCTOR
330-549-3051 OR AB8AA@ARRL.NET

ARRL, THE NATIONAL ASSOCIATION FOR
AMATEUR RADIO --
HELPING HAMS GET STARTED SINCE 1914.



1401 E CLASS FLYER

Website: <https://www.regonline.com/builder/showdefault.aspx?EventID=1248082>

ARRL2014

Centennial Events & Programs



ARRL
100
YEARS

■ ARRL National Centennial Convention — July 2014



ARRL National Centennial Convention at the Connecticut Convention Center in Hartford, July 17-20, 2014

Thursday, July 17, 2014

All Day Training Tracks: public service, technology, radiosport, and more!

Friday & Saturday, July 18-19, 2014

- ◆ Exhibit Hall featuring ARRL exhibits, Amateur Radio manufacturers, equipment sellers, and an indoor flea market
- ◆ Dozens of forums & presentations
- ◆ Friday Night Banquet

July 17-20, 2014 — Tours of ARRL headquarters and WIAW

Registration opens late summer 2013 (including hotel details)

■ Second Century Campaign for the ARRL Endowment www.arrl.org/scc

■ Yearlong On-Air Operating Event and Awards

Plus commemorative publications, regional events, special QST features, and more! Additional details coming soon...

Advancing the Art and Science of Radio—Since 1914

ARRL2014.org



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

Meetings: 2nd Monday of each month at 7:00 PM

at: Stringz & Wingz - 1543 SR 303 - Streetsboro, OH 44241

www.stringzwingz.com

All are welcome to attend ~ Drop in and say hello!



"When All Else Fails - Amateur Radio Works"

PCARS uses the K8IV Repeater: 146.895 MHz PL 110.9 ~ Rootstown, Oh or PL 118.8 ~ Kent, Oh ~ EchoLink Node: K8SRR

PCARS thanks K8IV for making the repeater available to area hams and for PCARS activities.

2013-14 PCARS Appointments & Committees

ARRL Awards - DXCC WAS, VUCC, WAC	W8KNO	Joe Wehner
ARRL Awards - WAS	KB8UUZ	Tom Parkinson
Club Site	KC8PD	Jim Aylward
Contest Coordinators	W8KNO	Joe Wehner
	W8PT	Chuck Patellis
EchoLink	K8SRR	Steve Randlett
Field Day 2014		
F.Y.A.O. 2014	W8PT	Chuck Patellis
Historian	KB8SZI	Peggy Parkinson
K8BF Callsign Trustee	K8FEY	Bob Hewett
K8BF QSL Manager	K8FEY	Bob Hewett
Net Coordinator	WB8LCD	Tom Sly
Newsletter	KB8UUZ	Tom Parkinson
OSPOTA 2013	W8PT	Chuck Patellis
P.I.O.	WA8AR	Tony Romito
Secretary	KD8SKL	Amy Leggiero
VE Liaison	N8RLG	Robert Gurney
Webmaster	KD8MQ	John Myers



PCARS
Volunteer
Examiner
Team

KC8PD	Jim Aylward
KB8UUZ	Tom Parkinson
KB8DPN	Russ Anderson
N4IT	Carl Capps
WB8LCD	Tom Sly
N8XTH	Deron Boring
N8PXW	Jim Korenz
N8QE	Bob Hajdak
W8PT	Chuck Patellis
K8IV	Ed Polack
K8QF	Russ Conklin
WB8VNO	Gay Wands
WD8CVH	Ted Wands
NX8G	Rex Simmons
N8RLG	Robert Gurney
AB8AA	Allan Avnet
K8JAA	Jane Avnet
KD8FLZ	Mike DiCarro
KE8G	Jim Blanca
W8RID	Bob Davet
K8MSF	Bud Green
KD8LEB	Al Zielinski
WA8CCU	Al Nagy
KB8IHG	Christopher Vince
NR8W	Russ Williams
KD8RJV	Jim Corbett
W8EZT	Frank Tompkins



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

PCARS Award Winning Newsletter - The RADIOGRAM



1st Place Ohio 2013



1st Place Ohio 2014



2nd Place 2014 Great Lakes Division

This is the **Electronic E-Mail** version of the PCARS Newsletter, **The RADIOGRAM**. The advantages to receiving this way are: You get **COLOR** pictures, **NO** postage needed, and delivered right to **YOUR** e-mail box! The **RADIOGRAM** is published every month and is sent only to subscribers. If you would prefer not to receive this newsletter, we understand. We'll try not to take it personally. It's not you saying you don't like us, but maybe you just don't have the time to look at all this hard work we've done just for you. Hey, that's cool. But if your heart is truly set on making sure you no longer receive this newsletter, even though we promise to one day reveal the meaning of life in it and you're going to be really upset when you miss out on that.

Portage County Amateur Radio Service, Inc. (PCARS)
Tom Parkinson - KB8UUZ - Newsletter Editor
9992 State Route 700
Mantua, OH 44255

THE RADIOGRAM

NLC

