



The **RADIOGRAM**

When All Else Fails ~ Amateur Radio Works

~ Official Newsletter of the Portage County Amateur Radio Service, Inc. ~

July 2016 - Volume 11 Number 7

⌘ 176

In This Issue -

FUN at Field Day 2016

Complete reporting on Field Day 2016 will be in the August issue of The RADIOGRAM



***Club Picnic, Antenna Project Day, QRP Project Day, Get On The Air Day
All Coming up soon!***

OSPOTA is just a couple of months away !



PCARS K8BF

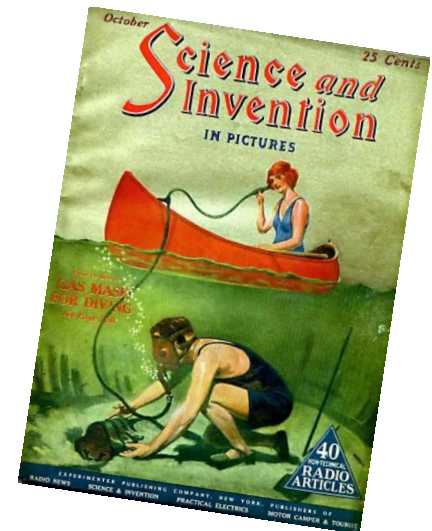
The Club that puts the FUN in Ham Radio!



Feature Articles	
From the PCARS President	3
From the PCARS Vice President	4
Rich, KD8FDK - SK	6
Headwaters Adventure - Comm Help Needed	8
Net Night at the Club Site - Field Day Quiz	9
Tech Tip - Dipoles	12
Field Day Update	13
13 Colonies Special Event 2016	17
YASME Award goes to Tim, K3LR	18
Well Known DX'er Dies in Tower Fall Accident	19
FCC Says NO to Lifetime Amateur Radio License	21
Net Night - Field Day Quiz Answers	26
Noise Floor Inquiry by the FCC	27
New Radio Technology Blamed for Everything	29



Mark Your Calendars	
Schedule of Events	5
Contest Calendar	7
VE Test Sessions	8
Net Info & NCS Schedule	9
Hamfest Calendar	26
Meetings, PCARS	32
Important Days in July	37
20 over 9 Hamfest Flier	38
OSPOTA 2016 Flier	39



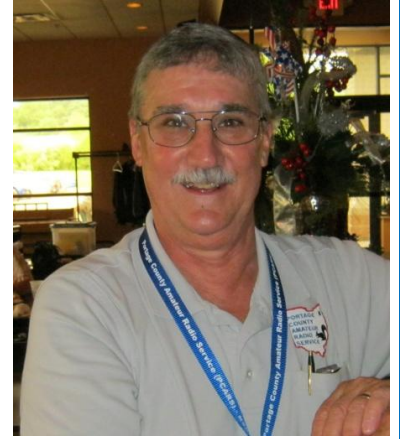
Regular Departments	
YouTube - PCARS	5
Happy Birthday	7
Patches & Stickers, PCARS	7
EmComm	8
Digital SIG	19
Linux for Hams SIG	19
Paper Chase	22
Charlie the Tuner's HF High-Lites	22
Swap-N-Shop	28
Member Ham License Plates Wanted	31
Yahoo Group - PCARS	31
Pictures from the Last PCARS Meeting	33

Finals	
Thanks & 73	37
Club Information and Fine Print	41



From the President

Rick, K8CAV
PCARS President



By the time you read this PCARS Field Day 2016 has ended and I sure hope most of you got a chance to come out and join the rest of us for a great time! Even if you did miss Field Day keep a lookout for the results, I have an idea we're going to do pretty well being spread out as much as we were and with less noise from external sources.

I want to thank Chuck, W8PT for the outstanding job he's done as the Field Day chairman. Chuck put together an outstanding plan, and found great folks to staff all of the station captain and logistics positions on the team. It's a lot of time and work and I can't express enough appreciation for Chuck taking it on. My thanks also to all of the folks who volunteered to take on those positions for Chuck and really make this work. Without our members coming out and participating with us all would be for naught and I want to thank each one of you who came out and shared your time with us during Field Day.

We have a couple of big events coming up yet this summer so if you missed your chance at Field Day, mark your calendars for Saturday July 16th from about 2:00 PM until ?? for the **Annual PCARS Picnic**. As it has been in the past, the picnic will be held at the Ravenna VFW on 6000 New Milford Rd. in Ravenna. PCARS will be providing the burgers and dogs, we ask that you bring a plate to share and whatever your favorite beverage is. Dinner will be about 4:00 PM. Please let Jim, AC8NT (ac8nt@portcars.org) or myself (k8cav@portcars.org) know if you are attending, and how many people will be coming.

Another fun event coming up in August is the **Annual PCARS Cruise-In** at the A&W Root Beer stand on 769 E. Main St. in Ravenna. We'll be announcing the theme for this year's cruise-in soon via qst e-mail. It's a great time to just relax and see the latest and greatest mobile installations.

There is no direct affiliation between PCARS and ARES[®] of Portage County however the Emergency Coordinator is our own Mike, KD8FLZ and most of the members of ARES[®] of Portage County are PCARS members as well. ARES[®] of Portage County, like other ARES[®] organizations exist to provide communications backup during times of emergency. They also support numerous public service events throughout the year. Mike is always looking for new volunteers to become members of ARES[®] of Portage county, and for public service events anyone, whether a member of ARES[®] or not. You can contact Mike at kd8flz@portcars.org if you're interested in becoming a member of ARES[®] of Portage County, or if you're interested in helping out with public service events.

As with ARES[®], there is no direct affiliation between PCARS and the Communications Unit/RACES who are a part of the Portage County Homeland Security/Emergency Management Agency. Our own Jim KC8PD is the Radio Officer for this unit and most of the members of this unit are also members of PCARS. Jim is also looking for volunteers to become part of the unit. Contact Jim at kc8pd@portcars.org if you are interested.

Supporting public safety and public service events through membership in ARES[®] or the Communications Unit is a way for us, as Amateur Radio Operators to give something back to our community and I'm very proud of how the members of PCARS have stepped up to fulfill this need. I hope you'll consider volunteering your time to either or both of these organizations.

I'll close this month by again thanking every one of you for your participation in and support of PCARS. Without you it wouldn't be **K8BF BIG FUN** and I'm glad you all are members.

From the Vice President

Jim, AC8NT
PCARS Vice President



With most of my “Honey Do” list complete, I am finding more time to play with my toys. I have been building a QRP “Go Kit”. It will have my new LD-5 HF transceiver, endfed and loop antennas, a good headset and of course batteries with multiple chargers. This will allow me to mix my love of the outdoors (park walking) and ham radio. With my wife’s love of walking, this will be a good mix.

Antenna Project Day

The fun part of building this kit has been building and trying different antennas. This has prompted the creation of an Antenna Build Day. This has been scheduled for July 9 at the club site. We will have the materials to build and test three different antennas. These include:

1. The “Compact Multiband Dipole described in an article by Zack Lau, W1VT in the March 2016 QST. This antenna is relatively compact and covers 10, 20, and 40 meters. It is also a good example of several tools used in building antennas.
2. A spiral dipole designed by built by KN9B. This is a variation of an off center fed dipole; is a multi-band design; and is extremely compact. [Click here](#) for more information. This is a good stealth antenna that can easily fit in most attic areas.
3. End fed multi band antenna that is very portable and easy to use, even without a tuner. Details of this design can be found at [Click here](#). This design is very useful for QRP work and can almost be put in your pocket. It is a good antenna for your “go bag.”

If you are interested in helping with our club build or building one of these for yourself, please contact me about attending.

QRP Project Day

We are also planning to have a project build focused on QRP. We are planning to build a little antenna tuner. It is built from a kit of parts available on EBay. If you are interested in this project, the event is scheduled for (?) at the club. More information on the kit can be found at [Click for Details](#). This kit has been built by several of my students and they say it works great.

Get-On-The-Air Day

We are going to hold “Get-on-the-Air” days to allow new and upgraded hams to use club equipment to learn and improve their operating skills. Club members will act as tutors to those who want to take advantage of club equipment. These events will be great for people new to the hobby or for people that are planning to upgrade their licenses. Technicians will be able to use HF frequencies under the supervision of club members with General or Extra licenses. We plan to hold our first event of this type on Saturday, August 13th from 9 to noon (later if needed). We also plan to have these events shortly after each Technician or upgrade class. We will need club volunteers to supervise equipment and operations for these events. If you need trouble programming your first handheld or would like to try HF let us know. If interested in being a tutor or in the use of this event, let me know.

Balloon Launch

We have submitted paperwork and been approved to launch a high altitude balloon on Saturday September 17. This will be weather permitting. We will need winds under 10 mph and stable weather (no storms) to safely launch. Coordination of this event will fall under the Antenna SIG. More details will follow, but set aside the date.

July Meeting

Tony Emanuele, WA8RJF will be making a presentation on EME (Earth-Moon-Earth) techniques at the July club meeting. He is a CQ Magazine VHF column editor and has a lot of experience in EME. I have been building the pieces necessary to try this exciting form of communications and I believe I am not alone in wanting to learn more. Come to the meeting and give Tony a great PCARS welcome. I would really like to thank Jeffrey Kopcak, K8JTK, Technical Coordinator for the Ohio Section for helping make this possible. Thanks go out to Brian Ames, AC8WX for his presentation on software defined radio at the June meeting. Please let me know if you have any ideas on future presentations.

Schedule of Events

On the calendar for upcoming meetings and activities are:

- **July 9th - Antenna Build Day - at the PCARS Club Site - 9am - see AC8NT's article**
- **July 11th - PCARS Meeting - 7 pm - Kent American Legion Post 496 - Tony WA8RJF and EME**
- **July 16th - Annual PCARS Picnic - at the Ravenna VFW on New Milford Rd. 2 pm - ?**
- **July 23rd - QRP Tuner Build - at the PCARS Club Site - see article in this newsletter**
- **August - PCARS 7th Annual Amateur Radio Cruise-In, Ravenna A&W - date to be determined**
- **August 13th - Get On The Air Day - PCARS Club Site - 9 to noon - see AC8NT's article**
- **September 10th - 9th Annual Ohio State Parks On The Air (OSPOTA) contest**
- **September 17th - PCARS Balloon Launch - Freedom Community Park - details to follow**

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



- | | | |
|----------------|---|--------------------------------|
| First Tuesday | - | Digital - K8CAV |
| Second Tuesday | - | QRP/CW - WB8LCD |
| Third Tuesday | - | Antenna - WA8AR |
| Fourth Tuesday | - | DX & Contest - W8PT |
| Fifth Tuesday | - | Linux for Hams - KB8AMZ |
- Fourth Thursday - Net Night at the club site - 6:30 pm**



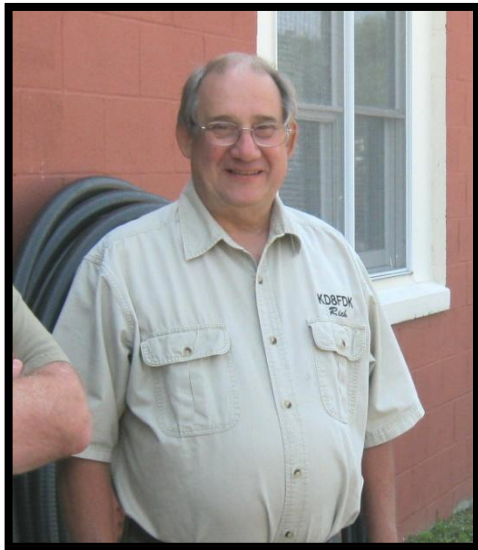
PCARS is on YouTube

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

https://www.youtube.com/channel/UCFVsDD_gwCLtTw-FPuBcYtA



Rich, KD8FDK - SK



Rich, KD8FDK, became a Silent Key on June 5, 2016.

Rich was an active member of PCARS since 2007.

Present at almost all of the PCARS activities since he joined, it seemed he enjoyed Field Day the most and would be there from set up until tear down helping out and also getting on the air.

He also served as one of the regular Thursday evening PCARS net control operators and was also active on a number of other HF nets as well.



You could always count on Rich to lend a hand with any project. Everyone that met Rich enjoyed his company and friendship. Rich will truly be missed by many of us in PCARS.

Published from the Busch Funeral and Crematory Services:

Richard S. Taushanoff, age 71 (March 26, 1945 - June 5, 2016) of Solon; beloved husband of Barbara of 36 years; devoted father of Richard (Sheila), Stefanie, Amy Wilson (William) and Kathleen (Kevin); loving grandfather of Emerson

and Evelyn; brother of Joanne McGunagle (Fred) and Betty Kacirek (Roger).

Richard passed away on Sunday, June 5, 2016 after an extended illness.

Memorial contributions may be forwarded to the Cleveland Metroparks, Gift and Donor Development, 4101 Fulton Parkway, Cleveland, Ohio 44144.

Mass of Christian Burial was held at St. Charles Borromeo Church, 5891 Ridge Road, Parma, on Wednesday, June 8, 2016 with the burial at Foxfield Preserve in Wilmot, OH.



Happy Birthday PCARS Members

PCARS members having a birthday in **July**:

KD8QEI	Valeri Karl	WB9LBI	Bill Fraedrich
W8PT	Chuck Patellis	N4PKW	Rod Thompson
AC8QG	Nicholas Wagner	KD8QEJ	John Adams
N8FTP	Larry Cole	G0BPS	Dick Pascoe
W6VM	Steven Greathouse	AB8IE	Ken Westover
KB8JFF	Dick Ward	N8QZ	Paul Mitchell
N8HUC	Karen Andrews	KD8EPA	Dan Porcase

Contest Calendar

July 2016	
RAC Canada Day Contest	0000Z-2359Z, Jul 1
DARC 10-Meter Digital Contest	1100Z-1700Z, Jul 3
10-10 Int. Spirit of 76 QSO Party	0001Z, Jul 4 to 2400Z, Jul 10
IARU HF World Championship	1200Z, Jul 9 to 1200Z, Jul 10
North American QSO Party, RTTY	1800Z, Jul 16 to 0559Z, Jul 17
CQ Worldwide VHF Contest	1800Z, Jul 16 to 2100Z, Jul 17
RSGB IOTA Contest	1200Z, Jul 30 to 1200Z, Jul 31

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

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:

Amy, **KD8SKL** or e-mail her at: KD8SKL@portcars.org



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



PCARS VE Test Sessions

Robert, N8RLG
PCARS VE Team Liaison



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

August 6th - October 1st - December 3rd

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: One copy of any current (*unexpired*) amateur radio operator license issued to you.**
- If you've already passed a test: The original (**and one copy**) of any document that you will use to prove you've already passed a test element. These documents may include:
 - An unexpired Certificate of Successful Completion of Exam (**CSCE**) indicating the credit(s) earned indicating the credit(s) earned.
 - Original and copy of a pre-March 21, 1987 Technician license (this provides credit for the Element 3 [General] exam) - you must be currently licensed to get this credit.
- Expired License? Original and copy of your expired Amateur Radio License - you must take and pass element 2 to re-instate your license.

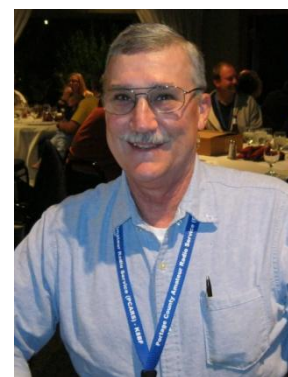


Headwaters Adventure Race Com Ops Needed

Rick, K8CAV

The Portage County Park District is again hosting the **Headwaters Adventure Race** on Saturday July 16th and we need volunteer communicators to help out.

This event takes place in parts of Mantua and Hiram Townships, and consists of a two-mile run, a fifteen-mile bicycle event and a five-mile canoe event on the Cuyahoga River.



Our participation consists of providing communicators at critical points on the course. Due to the geography of the area we'll be using cross band repeaters for covering part of the course. Please contact me at k8cav@portcars.org as soon as possible if you're interested in participating in this event. Thanks!

Jim, KC8PD/AAF5PD
Radio Officer, Portage County OHS/EM
Communications Unit/RACES



If there is one thing that recent personal experience has shown, it is that you can never be completely prepared for the unpredictable nor will those incidents unfold and develop as you thought that they would.

That got me to thinking that even at the individual level our preparedness for life events and how we deal with them mirrors the FEMA cycle of emergency preparedness.

What used to be the Preparedness phase (identify likely risks and developing a generalized response to them), for some has now become two separate phases, Preparedness and Prevention. Preparedness is much the same as before but Prevention now encompasses taking proactive specific steps to stop or prevent incidents that are likely to occur.

A common current example would be securing a public facility such as a school to prevent an assailant from gaining access. At home it may be as simple as a safety assessment of your home to prevent accidents from occurring.

No surprise but in the real world things that are utterly foreseeable can still happen despite all of our efforts to stop them.

When bad stuff happens, a Response follows. Those are the actions we take to immediately address the harm or damage being caused. No matter whether the response is to extinguish a factory fire that is causing a hazardous materials release or medical intervention for a health issue, action is necessary and you want the best strategies and tactics to be used.

After the Response a period of Recovery often follows. This may be the time that it takes for homes to be rebuilt after a devastating storm or the time that you find yourself recuperating from the necessary actions taken during the response. How long does Recovery take? That is always unpredictable and depends entirely on the degree and type of damage, the resiliency of the victims, and the resources available to assist.

Sometimes after we have been through a traumatic event we can better identify hazards and the risks that they present. Maybe we had not spotted them before or had underestimated how likely they were to occur. Knowing that they are likely to occur again, we can take steps to Mitigate, or minimize, the damage that they may cause in the future. An easy example of Mitigation is the elevation or relocation of structures that are built in a flood plain. Personally it may be better management of known health issues or additional treatment to prevent problems from reoccurring.

All in all, this is just a reminder that the phases of emergency management can also be a tool for assisting each of us in dealing with significant life events.

Upcoming ARES[®] of Portage County public service events and the point of contact for the event:

- 16 July, **Headwaters Adventure Race**, Rick, K8CAV
- 10 Sept. **Mantua Potato Stomp**, Jim, KC8PD

PCARS Thursday Net Control

Tom, WB8LCD

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

Don't forget - 4th Thursday is NET NIGHT at the Club Site !!



July	
7	KC8PD
14	N8QE
21	WB8LCD
28	NR8W



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!

Net Night Quiz - Field Day

Tom, WB8LCD

For the PCARS members attending the last Net Night at the Club Site, there was a quiz that everyone took. If you missed being there, here it is.



See how you do with this Field Day Net Night Quiz:

- When was the first Field Day held?
A) 1924 B) 1929 C) 1933 D) 1941
- Who sponsor's Field Day?
A) ARRL B) IARU Regions & member organizations C) CQ Magazine D) The Department of the Navy
- How is the "winner" determined?
A) highest number of total points B) Most QSO's made C) Most number of participants D) It is not a contest – there is no "winner"
- In PCARS first FD, who was referred to as "the iron Man of 20 meters"?
A) Jim, KC8PD B) Tom, KB8UUZ C) Chuck, K8CMP D) Errol, KC8RJR E) Russ, KB8DPN
- Bonus points are awarded for:
A) Best FD Food B) Powering all stations with a generator C) Having an information table for visitors D) making contact with W1AW

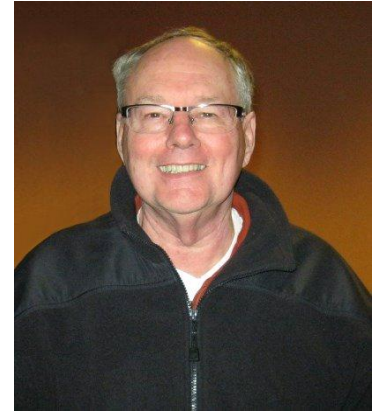
6. Field Day is always held:
 - A) The 4th full weekend in June
 - B) The last weekend in June
 - C) the rainiest weekend in June
 - D) The weekend before the 4th of July weekend
7. For one entry, all stations must be located within:
 - A) the same general area
 - B) the same county
 - C) a circle with a radius of 500'
 - D) a rectangle where the sum of all 4 sides does not exceed 1000 feet.
8. This year's "Safety Officer" is:
 - A) Mike, KD8FLZ
 - B) Tom, WB8LCD
 - C) Russ, NR8W
 - D) Mike, KB8TUY
9. Last year, out of 119 total entries in the Ohio Section, PCARS scored
 - A) #1
 - B) #2
 - C) #3
 - D) #4 overall.
10. Last year, out of 2720 total entries in the US and Canada, PCARS scored
 - A) #69
 - B) #132
 - C) #187
 - D) #202 overall.
11. Which operating strategy yields the highest QSO rates?
 - A) Search and Pounce
 - B) working off the "spotting" lists
 - C) staying on one frequency and calling CQ
 - D) staying mainly in the "Extra" portions of the bands
12. How long is the total operating period of FD?
 - A) 18 hours
 - B) 24 hours
 - C) 27 hours
 - D) 32 hours
13. What is the FD "Exchange"?
 - A) Operating Class and Section
 - B) Operating Class, power class and Section
 - C) Operating class, Section and power source
 - D) Name and Section
14. Contact points?
 - A) SSB-1, CW-2, Digital-2
 - B) SSB-1, CW-1, Digital-2
 - C) SSB-2, CW-1, Digital-2
 - D) SSB-1, CW-2, Digital-1
15. What is the most common FD Antenna?
 - A) vertical
 - B) Yagi
 - C) Dipole
 - D) Random wire
16. What constitutes your stations entry into Field Day?
 - A) Dupe Sheets
 - B) Summary Sheet
 - C) Cabrillo files
 - D) Complete Station Logs
17. The best way to keep hydrated on a hot day is to drink lots of:
 - A) Water
 - B) Coffee
 - C) Coca Cola
 - D) Beer
 - E) Bloody Mary's
18. How many Field Day Participants were there at the last FD?
 - A) 12,000
 - B) 18,000
 - C) 27,000
 - D) 30,000+
19. Cross-band contacts are:
 - A) allowed
 - B) Not allowed
 - C) Allowed only under certain conditions

Answers on Page 26



Tech Tip - Dipoles

Jim, AC8NT



Most hams have built or will build a dipole antenna. Most will use various formulas to determine the correct length for construction. The steps usually follow:

1. Decide on a design and frequency or group of bands.
2. Visit numerous websites and handbooks to collect the correct formula.
3. Buy the materials and cut the wire per the formula.
4. Assemble the antenna.
5. Install the antenna. This usually includes playing in trees.
6. Measure the results with an antenna analyzer or other instrument.
7. And find it does not match the values put into the formula. @#@#@###\$\$

The next step is to take the antenna down and trim it (assuming its measured frequency is too low). If it measures too high in frequency, drive to Lowes or Home Depot to buy more wire and recut, this time longer (usually much longer).

But how much should we trim or lengthen the antenna to make it correct. There is a simple math trick to better estimate the change required. The example shown below will help you better estimate the correct length. You may need to do this twice, but my experience has shown that one time usually does it. This works much better than trying to cut one inch at time.

$$\text{New Length} = \frac{\text{Measured Freq}}{\text{Desired Freq}} \times \text{Calculated Length}$$

*Example: Desired Freq = 18.130 mhz, Calc Length is 25.81 ft total
Each leg is 12.9 ft
Measured Resonance = 17.8 mhz*

$$\text{New Length} = \frac{17.8}{18.13} \times 12.9 = 12.7 \text{ ft}$$

Cut to new length and try again

Remember most of the time involved is in taking it down and putting it back up. I hope you find this useful.



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



Field Day Update



As you know, our Big Fun outing in the 2016 ARRL Field Day just happened last weekend (June 25/26). If you were not there - you missed a lot of FUN!

At first glance of the computer logging files, we did really well in our new Field Day site in Freedom Township.



All of the results will be tabulated and we'll have a complete report in the August issue of The RADIOGRAM.



The weather was cooperative - there was no rain this year, but it was a bit on the warm side. We had plenty of water for everyone to drink and of course the food (Texas brisket for Saturday's dinner and pancakes for Sunday breakfast) was excellent thanks to Chef Robert, N8RLG.



Big Thanks goes out to Chuck, W8PT - the Field Day Chairman for 2016 and his crew for making this Field Day BIG FUN !



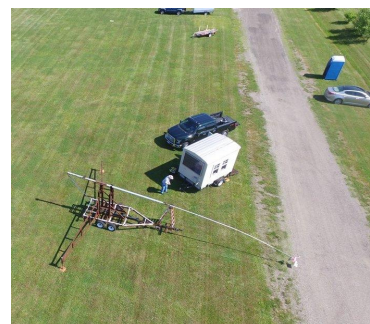
Thanks also goes out to Tom, WB8LCD who had multiple duty as the Field Day Co-Chairman, Facebook Social Media Poster, PIO and most importantly our Safety Officer. Jobs well done !

The Generator Crew, led by James, KD8VT supplied all the power (and then some) for the entire 24 hours without a single glitch - as always, a great job!

More people to thank - See the complete report in next month's issue of The RADIOGRAM

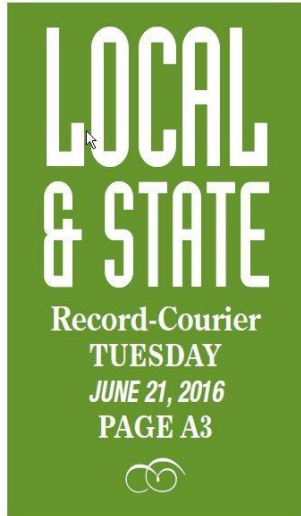


There has been some road construction going on near our Field Day site at the Freedom Township Community Park but we had multiple posting of directions and so far everyone said they figured out how to get to the site. We did have communications set up through the K8IV repeater, only one person called in that needed directions.



AND - We'll be having a video of our Field Day adventures on the PCARS YouTube site soon. Greg, W8WWV was there with his Quad-Copter and shot some terrific photos and video - **Stay Tuned !**

Again, all of the detailed results will be tabulated and we'll have a complete report in the August issue of The RADIOGRAM.



Amateur radio field day set in Freedom

Members of the Portage County Amateur Radio Service, Inc. will be participating in the national Amateur Radio Field Day exercise from noon Saturday to 2 p.m. Sunday at Freedom Park, intersection of S.R. 700 and Streeter Road, in Freedom Township.

Since 1933, ham radio operators across North America have established temporary radio stations in public locations during Field Day to showcase the science, skill and capabilities of amateur radio.

For more than 100 years, amateur radio — sometimes called ham radio — has allowed people from all walks of life to experiment with electronics and communications techniques, as well as provide a free public service to their communities during a disaster, all without needing a cell phone or the internet.

For more information about Field Day, contact Rick Kruis — K8CAV — at 330-620-8826 or k8cav@portcars.org or visit www.portcars.org.



AMANDA WOOLF/RECORD-COURIER

Amy Leggiero (KD8 SKL) logs for Bob Hajdek (N8QE) while he talks on the radio during the Portage County Amateur Radio Service's Field Day at Freedom Park in Freedom Township.

Field Day showcases amateur radio

Members of the Portage County Amateur Radio Service, Inc. — better known as “ham radio” — are taking part in the national Amateur Radio Field Day exercise at Freedom Park, the intersection of S.R. 700 and Streeter Road in Freedom.

The event began at Saturday and will conclude at 2 p.m. today. The event is open to the public.

PCARS members have established a temporary radio station at the site to showcase the science,



Portage County Amateur Radio Service vice president Jim Wilson (AC8NT) and PCARS president Rick Kruis (K8CAV) work on their antenna during Field Day activities.

skill and capabilities of amateur radio.

Field Day demonstrates ham radio's ability to work reliably under any conditions from almost any location and create an independent communications net-

work. For more information about amateur radio in Portage County, contact PCARS president Rick Kruis (K8CAV) at 330-620-8826 or k8cav@portcars.org or visit www.portcars.org.

Field Day Statistics - these scores DO NOT include bonus points

Total Contacts by Band and Mode:

Band	CW	Phone	Dig	Total	%
----	--	-----	---	-----	---
80	234	173	0	407	12
40	608	1,089	13	1,710	50
20	196	996	8	1,200	35
15	35	0	0	35	1
6	4	37	0	41	1
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Total	1,077	2,295	21	3,393	100

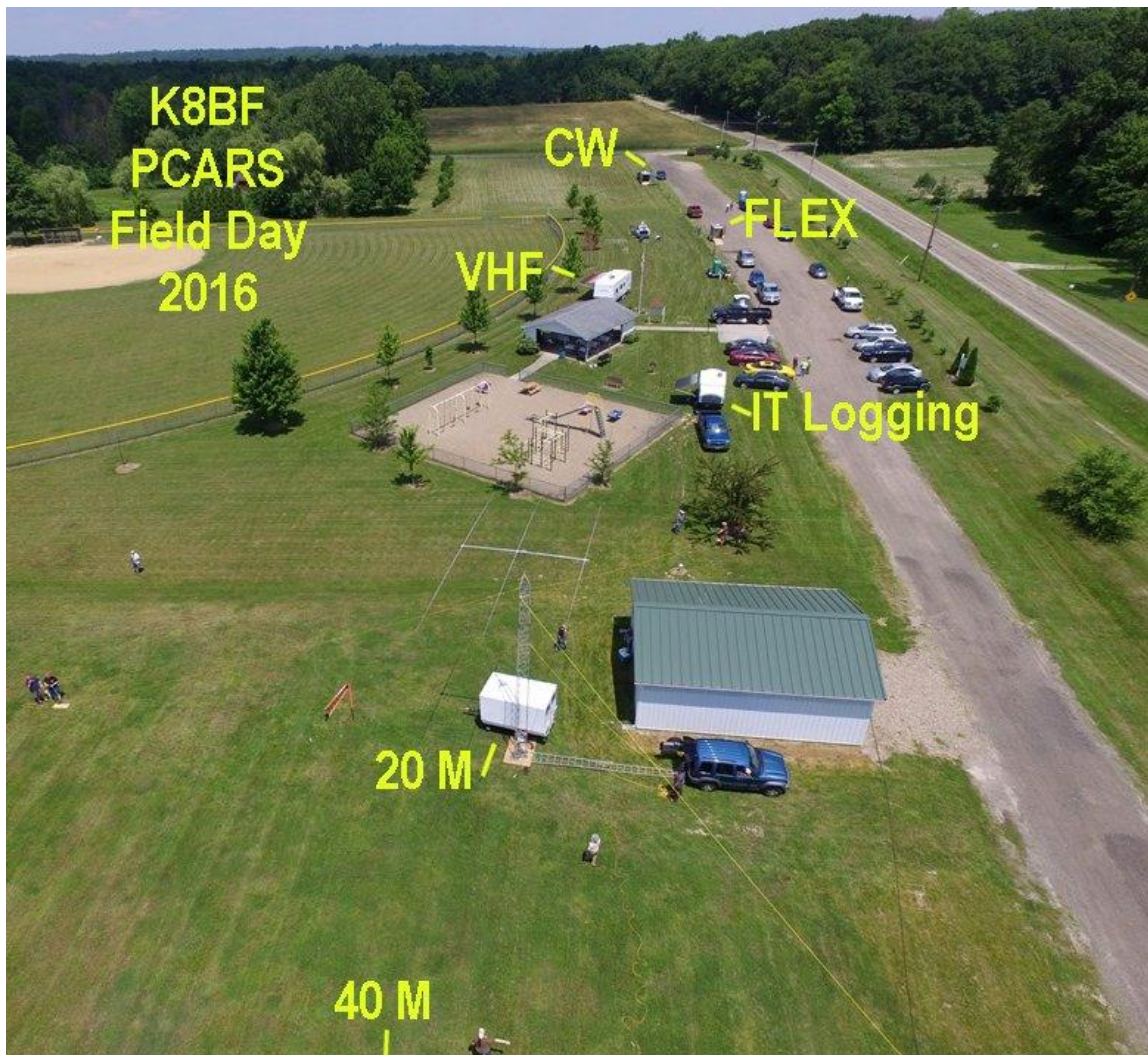
Operators:

Total Contacts by Operator:

Operator	Total	%
-----	-----	---
K8IV	535	16
K8AAV	402	12
K8MR	316	9
N8OQQ	305	9
K3GP	273	8
N8QE	220	6
N8GIE	209	6
W8PT	208	6
KA8TOA	197	6
WB9LBI	153	5
WB8LCD	140	4
WA4WGA	121	4
KB8AMZ	69	2
K8MSH	62	2
KD8QEJ	36	1
WA8AR	31	1
KD8SOP	20	1
AC8PR	19	1
AE8YL	19	1
KE8BWA	17	1
W8KNO	14	0
KB8TUY	12	0
K8BBE	9	0
KD8SKL	6	0



Just a quick teaser of what's to come. More photos and a VIDEO of Field Day 2016 with PCARS.



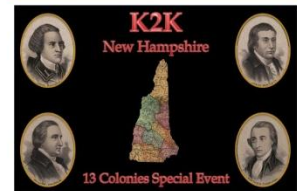
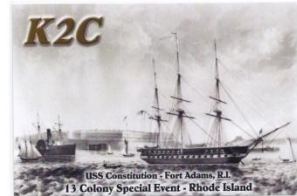
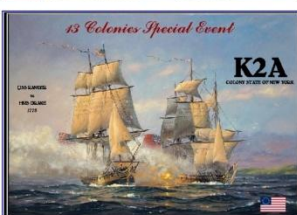
13 Colonies Special Event 2016



The 8th Annual "13" Colonies Special Event

GB13COL Independence Week 2016 WM3PEN
NY - K2A

VA - K2B	DE - K2E	MA - K2H	NH - K2K
RJ - K2C	MD - K2F	NJ - K2I	SC - K2L
CT - K2D	GA - K2G	NC - K2J	PA - K2M



The Original "13" Colonies Special Event Group Presents The 8th Annual:
4TH OF JULY WEEK - THE ORIGINAL 13 COLONIES SPECIAL EVENT

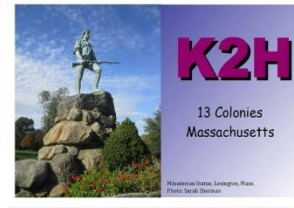
GOD BLESS AMERICA ☆ INDEPENDENCE WEEK - 2016 ☆ "WE THE PEOPLE"

73'

ARS: KU2US HAS PARTICIPATED IN THIS 4TH OF JULY WEEK SPECIAL EVENT ON THE ORIGINAL "13" COLONIES AND THE DECLARATION OF INDEPENDENCE OF OUR NATION IN 1776.

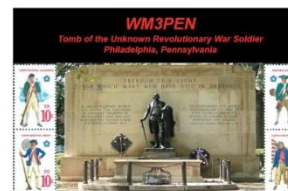
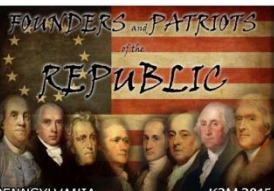
73' GB13COL US Military Vets WM3PEN ALL 13 Colony States

KEN VILLONE: KX2UG - EVENT MANAGER Ken Villone
ALL 13 Colony States Clean Sweep



Join us for the 8th annual 13 Colonies Special Event. Starting July 1st, Fri. at 13:00 UTC (9 AM Eastern) and ending midnight July 6th Wed. (0400 UTC July 7th). We have more Operators, and our two "Bonus" stations, WM3PEN (Phil.PA.) and GB13COL (Durham, England) will be with us again!

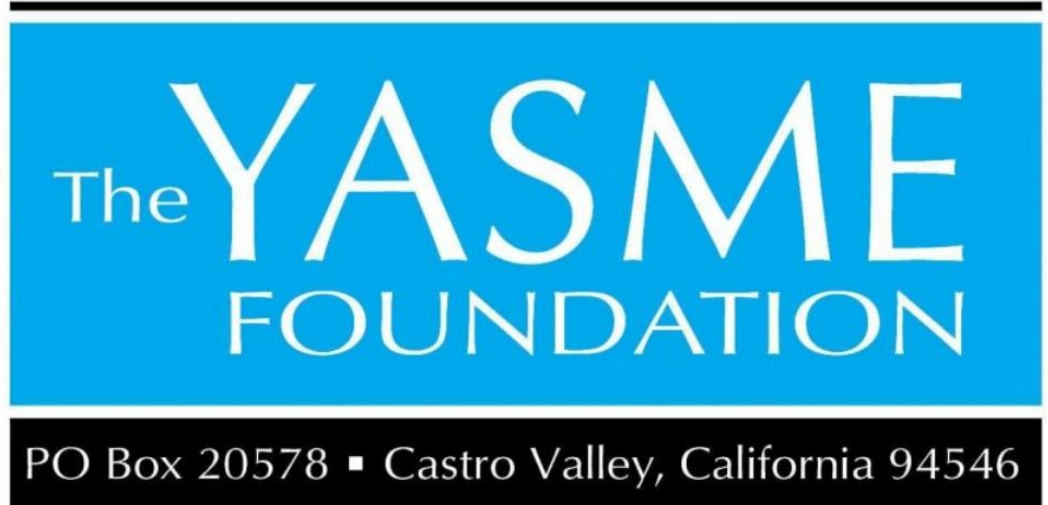
A contact with WM3PEN will net you a Liberty Bell endorsement on your certificate, and for GB13COL, an English Standard (Flag). Go to our NEW web site www.13colonies.net. Endorsements will be added to your certificate for the NRA, American Legion, US Military Vets/active duty, VFW (Veterans of foreign wars), ALL CW and ALL QRP!



Come and join the fun! In 2015 we did over 126,000 total contacts, and expect do more this year! On our web site there is an example of the very cool 2016 certificate! Every one different each year! Check it out. All of our operators are stoked and ready to go! Please join us to honor the 13 original Colonies, our Independence and our Veterans and Military.

73' Ken Villone, KU2US

Tim, K3LR Receives YASME Award



A not-for-profit corporation organized to conduct scientific and educational projects related to Amateur Radio

www.yasme.org

The YASME Foundation is a not-for-profit corporation organized to support scientific and educational projects related to Amateur Radio, including DXing (long distance communication) and the introduction and promotion of Amateur Radio in developing countries.

"Danny Weil was a pioneer of what is now known as the 'DXpedition.' While not the first to DXpedition, Danny was one of the first to travel to more than one location to operate, and to travel from place to place - often solo in a sailboat and lugging hundreds of pounds of radio equipment - specifically to provide DXers with a 'new one.' Lloyd and Iris Colvin perfected the DXpedition and took it into the modern age in the 1970s and 1980s, with operations from more than 100 countries, using modern transport methods and state-of-the-art radio equipment. YASME was both the name of Danny Weil's boat, and the name of the not-for-profit foundation that was created in 1959 to provide financial and logistical support for the travels of Weil, the Colvins, and others."

The Board of Directors of The YASME Foundation has announced the YASME Excellence Award recipients for 2016. The Award is presented to individuals who, through their own service, creativity, effort and dedication, have made a significant contribution to Amateur Radio. The contribution recognizes technical, operating, or organizational achievement.



The recipient that we are proud to be associated with is DX Engineering's Chief Operating Officer, Tim Duffy, K3LR - "While Tim is involved in many facets of Amateur Radio, the YASME Excellence Award is made in recognition of his adaptation and development of the Contest University (CTU), now in its 10th year,"

The YASME Foundation said in announcing his award. "CTU has not only reached hundreds of amateurs around the world, but it has also inspired others to create their own CTU-format training programs in other fields. Tim's dedication to CTU is in the finest traditions of amateur radio's self-teaching and training."

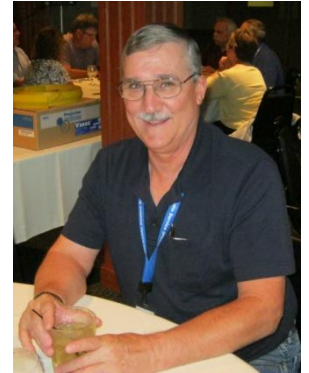
Tim is a member of PCARS and is also the ARRL Western Pennsylvania Section Manager. His award was presented at the Contest University (CTU) session at Dayton.

Digital SIG

Rick, K8CAV

The monthly Digital Special Interest Group will meet on Tuesday July 5th at 7:00 PM at the club site in Ravenna.

We'll be available to answer questions or help out with any digital subjects you may have. Hope to see you there!



Linux for Hams Sig

Terry, KB8AMZ

The next meeting will be August 30, 2016, Tuesday, at 1900 EDT at the PCARS Clubhouse.

At our last SIG I installed Linux Mint 17.3 on an IBM low profile, one that was replaced by a miniPC. Upon installation I found that only 382 MB of RAM is accessible. Between now and the next SIG I will open the case and determine if the RAM can be upgraded to better utilize LM17.3. If no RAM upgrade is possible I will install a lighter version of Linux, notably one of the Puppy Linuxes.

At the next SIG I plan to set up the 2 PC's we've installed Linux on and download amateur radio Linux application software.

If you have any questions please contact either Mike, KB8TUY or Terry, KB8AMZ at our PCARS email address.

Until August 30th - 73.



Well Known DXer N5AI Dies in Tower Fall Accident

Well-Known DXer, DXpeditioner Milt Jensen, N5IA, Dies in Tower Fall

Well-known DXer and DXpeditioner Milt Jensen, N5IA, of Virden, New Mexico, died on June 9 after falling from an Amateur Radio tower. An ARRL Life Member, he was 73. According to the Pima County Sheriff's Department, Jensen was working on a tower on Arizona's Mount Lemmon when he fell. He was pronounced dead at the scene. A Tucson News account cited a sheriff's deputy who indicated the fall was accidental, but the mishap is still under investigation.

"Milt was on was of his many tower climbing adventures, and by no choice of his, it became his last," his oldest son, Jason, said in a post to QRZ.com.



Milt Jensen, N5IA - SK

Licensed in 1960, Jensen had lived in Virden for his entire life. Especially well known for his 160 meter activity, he spent several years constructing an “8-circle array” of full-sized 160 meter verticals — each 125-foot towers — at his station site south of Safford, Arizona, near the New Mexico border, Lee Finkel, KY7M, wrote in an article set to appear in the July/August issue of NCJ. Jensen operated his “dream station” remotely from his home, often using the call sign N7GP in contests. In addition to his Top Band operation, Jensen was heavily involved in designing, installing, and maintaining VHF and UHF mountaintop repeaters, remotely controlled base stations, and linking systems. As a contester he often landed in the Top 10 standings.

Jensen took part in three DXpeditions. He and his wife Rulene, KB5VTM, took part in the 1998 XZ1N team in Myanmar. In 2000, he returned to Myanmar as part of the XZ0A multinational team. In 2008, he was part of the Ducie Island VP6DX DXpedition team.

Jensen was a graduate from the El Paso School of Electronics and was retired from the electric power distribution industry following a 40-year career.

Jensen and his wife were the parents of 7 children.

“His legend will live on for generations to come,” said his son, Jason. He loved to help others, especially in his chosen hobby, Amateur Radio. He truly cared about his hobby and took every aspect of it to heart.”

Milt's son Jason here. Thank you for that tribute Sam, and yes it has always been his choice to free climb, my younger brother and I had adopted that method for all of our years of climbing as well, it just seemed less of a hassle. But I can guarantee that from now on any climb my brother or I make, will be 100% tie off always. This lesson that our father has taught us, is one that will not soon be forgotten. This has just proven to us that even the most experienced climber such as the invincible father of ours is susceptible to accidents. No matter how much experience or how strong you think you are, gravity is more experienced and a lot stronger. Please, please always remember safety first, we don't need any more of these accidents happening any where, much less in the amateur world.

With sincere regards,
Jason Jensen - son of N5IA.

When I was 16 during Field Day (1976) I was removing the Field Day antenna (two element quad) at 40 feet. The temporary guy wire anchor failed and the tower fell over. I was belted to the tower at 40 feet. My safety belt caught me (I fainted) and saved my life (falling from 40 feet normally is fatal). Quick action from EMT WA3WIK (ground crew) was critical to my survival as well. It took a week in the hospital for me to recover - however 40 years later I am still climbing with a full body harness - 100% tie off **ALWAYS**.

Safety first for Field Day and every day. I got a second chance after my fall from 40 feet thanks to my safety belt - many do not get another chance.

Be Safe and 73,
Tim, K3LR

TOWER SAFETY IS NUMBER ONE

FCC says "NO" to Lifetime Amateur Radio Licenses

From the ARRL



The FCC has denied the petition of an Arizona radio amateur, who had petitioned for lifetime Amateur Radio licenses. Mark F. Krotz, N7MK, of Mesa, had filed his Petition for Rule Making (RM 11760) with the FCC last November, and the FCC invited public comments in February. Krotz wanted the FCC to revise Part 97.25 of its rules to indicate that Amateur Radio licenses are granted for the holder's lifetime, instead of for the current 10-year term. Hundreds of radio amateurs commented on the petition, but the FCC was not swayed by those favoring the idea.

"Based on our review of the record, we are not persuaded that the petition discloses sufficient grounds for the requested rule change," the FCC said in a June 21 Order. "Krotz's primary argument is that extending the term of amateur licenses to the lifetime of the holder would reduce the Commission's administrative and personnel costs, but it is not clear to us that the proposal actually would enhance administrative efficiency." That's because the vast majority of license renewals are submitted online and processed automatically by the Universal Licensing System (ULS), "with minimal staff involvement," the Order said.

The Order can be found on the web in PDF format at, http://transition.fcc.gov/Daily_Releases/Daily_Business/2016/db0622/DA-16-707A1.pdf.

The FCC said it had further reduced its overhead by no longer routinely mailing out paper licenses. "[I]f license terms were extended to the holder's lifetime, we likely would receive more cancellations on account of the licensee's death, which are labor-intensive, because staff must carefully verify the deceased's identity and licenses in order to guard against erroneous cancellations," the FCC said in its Order, signed by Wireless Telecommunications Bureau Deputy Mobility Division Chief Scot Stone.

Krotz argued that the General Radiotelephone Operator License (GROL) already is issued on a lifetime basis, but the FCC said that's not a comparable situation, because an Amateur Radio license is both an operator's license and a station license, "and there is no Commission precedent for issuing a lifetime station license."

In 2014 the FCC granted lifetime credit for examination elements 3 and 4, but applicants seeking relicensing under that provision still must pass examination element 2. The FCC pointed out in its Order that this was done to address the concerns of commenters that a licensee who had not renewed also may not have maintained or expanded his or her knowledge and skills.

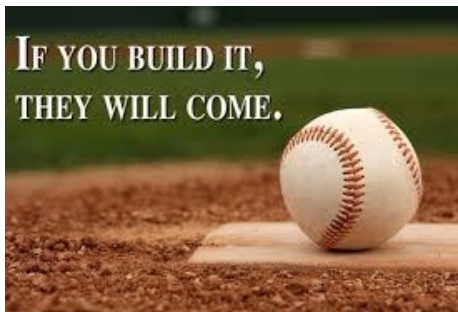
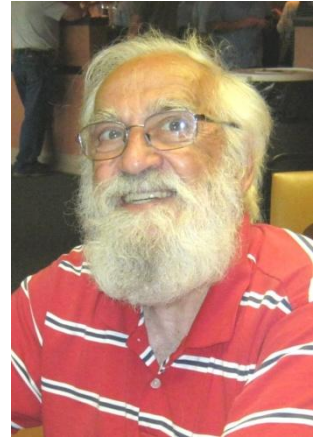


Paper Chase

Joe, W8KNO

On July 22nd and 23rd from 9am till 11pm, the Great River Amateur Radio Club will activate the "**The Field of Dreams**" special event.

It will be from the actual field near Dyersville, Iowa where the movie was filmed. Listen for them on phone, in the middle of the 75, 40 and 17 meter bands and the top of the 20 meter band.



To obtain a certificate send a sase and QSL card to:

GRARC Field of Dreams Special Event Station
POB 1384
Dubuque, IA 52004

Charlie the Tuner's HF High-Lites

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

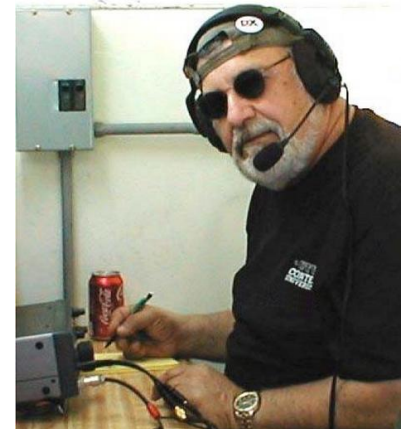
July is now here and hopefully a lot of great WX. Field Day is now history but I am writing this two days before the event. I don't think that I would be too presumptuous by stating that we probably all had a great time. There probably were a few speed bumps as there always are, but knowing the crew we have, they would have taken it in stride. I will of course, have a full report in the next Radiogram.

My antenna project is still ongoing, but there is light at the end of the tunnel and I have already made a few DX contacts with my antenna only at 18 ft. A 59 signal report from a station in Kuwait with my SWR at 1.0:1 and the antenna pointed directly north gives me high hopes. I do have to replace my first director but that should not be too hard at this point.

So I am hoping that I will be back on the air to work some of the DX that I am reporting on in this column.

Let's get on with this month's report.

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, AB5K & the AR TelNet Clusters Network, K1XN & GoList, NJ1Q & W1AW, NG3K & ADXO, W3UR & The Daily DX, N4AA & QRZ DX, W4DN, K8GI, K8YSE, W8GEX & 60m DX News, W9ILY, N0FCD, CO3JK, DL1SBF, DL7UXG & The DX News Letter, DxCoffee.com, DXNews.com, DX-World.Net, ES1CW, F5NQL, F6AJA & Les Nouvelles DX, I1JQJ/IK1ADH & 425 DX News, I2MQP & DX



Italia News, IZ5HQB, OZ6OM & 50 MHz DX News, RSGB IOTA Web Site, Sixitalia Weekly, VA3RJ & ICPO, VHF-DX-Portal(MMMonVHF) and VU2DSI for the following DX information.

And I have said it before and I will say it again, this report "could" contain "Pirate/SLIM" operations or more likely a "BUSTED CALLSIGN". As always, you never know - "**Work First Worry Later**".

COWS OVER THE WORLD (DXpeditions Planned). Reminder - The ARRL Web Site/Daily DX reported on January 12th: Tom Callas, KC0W, has announced the all-CW "Cows Over the World" DXpeditions for 2016. All call sign suffixes will contain "COW". The schedule calls for a summer departure to (in this order): American Samoa, Samoa, Tokelau, Solomon Islands, Temotu Province, and Bangladesh. He may add Nepal and Bhutan. There will be no time frame for operation from each entity. "The determining factor will be when the pileups die down it's time to pack everything up and move along", he said. Callas said he's spent months researching the absolute best DXing locations for each island and for Bangladesh (he's secured all but Tokelau). "This will be the only DXpedition that I'm aware of in which the operator will operate from separate sides of the islands", he said. The Minnesota DXer pointed out that the west and east coasts of South Pacific islands are separated by mountains, and that he learned first-hand how much mountains attenuate HF signals while he was operating from Haiti. Emphasis will be on 160, 80, and 40 meters. A tentative phase II "Cows Over Africa" DXpedition is on the drawing board. <http://www.arrl.org/news/cows-over-the-world-cw-dxpeditions-planned>

5W, SAMOA. SEE ABOVE -Tom, KC0W, is now QRT as KH8/KC0W from American Samoa after making 12,871 QSOs from there. However, he continues on his single op "Cows Over the World" International DXpeditions Tour to his second island activation, Samoa, and is now operating as 5W0COW. Activity will be CW only on 160-6 meters using 500 watts into vertical antennas over salt water. He will be in all major CW contests. His length of his stay is unknown. QSL via KC0W direct only. A log search will be available on ClubLog. He does not use LoTW. See QRZ.com for more details.

6V, SENEGAL (IOTA Op). A team of Italian operators will be active as 6V1IS from Ngor and Gorée Islands (AF-045), Senegal, between Nov 6-16th. This is a Humanitarian DXpedition. Activity will be on various HF bands and modes. Ops and Team members mentioned are Leopoldo/ I8LWL (Organizer), Alfredo/IK7JWX (Team leader/QSL Manager), Ampelia/ IS0AGY, Christian/IS0BWM, Loredana/IS0FFR, Patrick/IS0FQK, Simon/IZ7ATN, Vincenzo/IZ8FRH, Enzo/IZ8LFI and Michele/IW7EGQ. Log will be available on ClubLog. The operation does have a FaceBook page at: <https://www.facebook.com/groups/1707060236221730>

9A, CROATIA (IOTA Op). Adrian, YO4HHP, will be active as 9A/YO4HHP from Cres Island (EU-136) during the RSGB IOTA Contest (July 30-31st) as a Single-Op/Mixed-Mode/12-Hrs/DXpedition entry. Activity will be on 20/15/10 meters. QSL via YO4HHP.

CY9C ST. PAUL ISLAND DXPEDITION (Update, dated June 18th). Randy, N0TG, reports: The countdown is on; just 60 days 'til activation. Procurement of final materials and supplies is in process and being shipped to team member K8LEE – Wayne. Wayne and Jay-K4ZLE will rent a cargo van for transport of most of the gear to our staging area in Canada departing their homes around 12 August. Phil, VA3QR, will be driving to the staging area with the generators and several other items. And, lastly Murray, WA4DAN, will also drive to Dingwall, Canada, with several yagi's. Other team members will be flying. The team is excited and looking forward to a very inclusive operation, i.e, satellite, 2 meter EME, RTTY, CW, SSB. We also have plans to include working Tech and General Class. We appreciate the visits to our website and those who have taken the "NEED SURVEY". We are gearing up to assure we meet the band and mode needs expressed, as well as, concentrating on successful contacts on the long and difficult propagation paths to various locations in Oceania, Japan, India, Asiatic Russia, western USA and VE, etc. Our thanks for the financial support; that helps greatly on the upfront cost of the DXpedition. Website: <http://www.CY9DXpedition.com>

D4, CAPE VERDE. By the time you read this, Harald, DF2WO, active as D44TWO from Praia, Santiago Island (AF-005) until July 13th. Activity is holiday style on 40-10 m using CW, SSB and the Digital modes. He states that he works mostly on the Digital modes (PSK31, JT65 and RTTY) and slow CW. Equipment is a FT-450D into a home made HEX BEAM and a dipole for 40 meters. QSL via M0OXO (OQRS available).

D6, DOMOROS. Ops Pavel/OK1FPS, David/OK6DJ, Pavel/OK1GK, Ruda/OK2ZA and Petr/OK1BOA will be active as D66D from Comoro Islands (AF-007) between mid-Sept and Oct (Sept 18-30th). Activity will be on 160-10 meters using CW, SSB and RTTY. Antenna/radio setup is 3x Elecraft K3, 2x PA, Antennas 2 x Spiderbeam including WARC, 1x vertical 40/30m, 1 vertical 160/80m + special RX antenna for low bands. QSL via OK6DJ, LoTW or eQSL. For more details and update, see: http://www.cdxp.cz/?page_id=512

J2, DJIBOUTI. Jean-Philippe, F1TMY, will be active as J28PJ from Djibouti starting September 1st, for the next 3-5 years. Activity will be on the HF bands and 6 meters. QSL via F1TMY.

P5, NORTH KOREA. Earlier in the week Dom, 3Z9DX, received confirmation from the North Korean government to make a return trip to P5 and operate amateur radio for up to 5 days. The dates of activity are not yet known, but he will receive a very short notice. When Dom receives the notice, he will have just a few days beforehand to gather his luggage and radio equipment for his stay in P5 land. This would be a single band SSB only op (possibly on 20/15/10m). *ADDED NOTE:* Also, read the article on the ARRL Web page at: <http://www.arrl.org/news/polish-dxer-3z9dx-reported-ready-to-return-to-north-korea-on-a-moment-s-notice>

T32, EAST KIRIBATI. Ken, KH6QJ, again be active as T32AZ from Crystal Lodge, Kiritimati (Christmas Island) [OC-024], East Kiribati, between September 1-15th. Activity will be on 80/40/20/15/10 meters using SSB. Operations will include entries in the All Asian DX SSB Contest (September 3-4th) and the Worked All Europe (WAE)DX SSB Contest (September 10-11th). QSL via his home call sign, direct or by the Bureau.

XW, LAOS. Bruce, 3W3B (HS0ZCY/XU7ADF/XW1B/AA4XR), who lives in Da Nang, will once again be active as XW4XR from Vientiane between June 30th and July 12th. Activity will be on 40-10 meters. He informed OPDX several weeks ago, "I will be active as much as possible on CW and, mainly, RTTY and JT65 as there seems to be more of a demand on digital." QSL via E21EIC and LoTW.

ZL7, CHATHAM ISLAND (Update). Haru, JA1XGI, will be active as ZL7/W1XGI (not ZL7/JA1XGI as first announced) from Chatham Islands (OC-038) between November 24th and December 1st. Activity will probably be on 160-10 meters, including the 30/17/12m bands, using mainly CW with some RTTY, JT65 and PSK. Equipment is an IC-7300 into two different verticals. He also plans to be in the CQWW DX CW Contest (November 26-27th). QSL via JA1XGI, direct, by the Bureau or LoTW. For more details and updates, watch: <http://island.geocities.jp/chathamholiday>

IOTA NEWS

AS-066. Members of the Vladivostok Contest Club Team will be active as UI0L from **Reyneke Island**, Asiatic Russia, during the RSGB IOTA Contest (July 30-31st) as a Multi-Single entry. QSL via RW0MM.

AS-070. Members of the Russian Robinson Club (RRC) will be active as R70ASIA from **Gusmp Island** between July 29th and August 2nd. Operators mentioned are Vasily/R7AA and Yuri/R2DG. Activity will be on 40-10 meters using CW and SSB. Their activity will also include the RSGB IOTA Contest (July 30-31st). The team is looking for funds. QSL via R7AA or OQRS.

AS-125. Members of the HSDXA Team will be active as E2X from **Chang Island**, Thailand, between July 29th and August 3rd. Activity will be focused on 80-40 meters. They also will be in the RSGB IOTA Contest (July 30-31st) as a Multi-1/Island entry. QSL via E20GMY or LoTW.

EU-008. Operators Gordon/GM7WCO, Bill/GM3ZRT, John/GM0DJG, Jason/ GM7VSB and Barry/GM3YEH will be active as GM0ADX/P from **Isle of Mull**, Scotland, during the RSGB IOTA Contest (July 30-31st) as a Multi-Single/Island/Low-Power entry. QSL via GM0ADX.

EU-120. Operators 2E0HDG, Bryant/G3NVB, Colin/G4GBP, Andy/G4JNT, Brian/G0UKB, Liz/M0ACL, Rhodri/M0RHO and M1ENU will be active as G0IVR/p from **Lundy Island** between July 27th and August 1st. Their activities will include the RSGB IOTA Contest (July 30-31st). For more details and updates, see: <http://www.g4gbp.co.uk/lundy2016.html>

EU-123. A joint op with the members of the Sheffield & District Wireless Society, Sheffield HF DX Group, Workshop Amateur Radio Society and the 93 Contest Group active as GM5TO from **Isle of Arran**, on the Seal Shore campsite, Kildonan (WW. Loc. IO75KK) during the RSGB IOTA Contest (July 30-31st). Outside the contest they will be active as GM2AS (Sheffield DX Group) between July 28th-August 1st. QSL via G3PHO for both call signs. NO EQSL, NO LOTW and NO CLUBLOG. Operators mentioned are Peter/ G3PHO, David/G8EQD, YL Krystyna/2E0KSH, Steve/G0EAK, YL Sue/ M6XAK, David/M5DWI and John/G4LKD.

EU-127. Operators Axel/DB1WA, Marc/DL1MRD, Joe/DM4DL and Christoph/ DM5HF will be active as DR0F from **Neuwerk Island** between July 28th and August 1st. QSL via DM4DL by the Bureau

NA-126. Operators Fred/VE1FA, YL Helen/VA1YL, Alphonse/VO1NO, Wayne/ VE1BAB, Lowell/VY2OX, Rich/VA1CHP and Michel/VE2MM will be active as VC1A from **Bon Portage (Outer) Island**, NS Province South Group, during the RSGB IOTA Contest (July 30-31st) as a DXpedition entry. QSL via VA1YL.

SA-042. Members of the PARA DX Group www.paradxgroup.com active as PX8K, from **Caviana de Dentro Island** between July 27-31st. Activity includes the RSGB IOTA Contest (July 30-31st). Activity will be on the HF bands and 6 meters using CW, SSB and the Digital modes. Operators mentioned are Hemeterio, PU8WHJ, Renner, PY7RP, Luc ,PY8AZT, Jaime, PY8FML and Ren, PY8WW. QSL via PY8WW or the OQRS.

SA-045. Operators Daniel/PT7BI, Roberto/PT2GTI, Nicolas/PT7MM, PQ8UA and Regis/PY2POL will be active as ZY8M from **Maraca Island** between July 12-17th. Activity will be on various HF bands using CW and SSB. QSL via PT7BI.

SA-069. Members of the Chilean DXpedition team will once again be active as XR1T from **Santa Maria Island** during the RSGB IOTA Contest (July 30-31st) as a Multi-Single/All-Band/DXpedition entry. Activity will be on all bands using CW and SSB. Operators mentioned are Domingo/CE1DY, Erik/CE1OEB, Marco/CE1TBN, Pablo/ CE1BF, Marco/CE1TBN, Dercel/CE3KHZ, Cristian/CE3PDF, Luis/ CD1LEW and Julio/CE3OP. QSL via CE3OP (see QRZ.com).

SA-072. (Update) Operators Ronaldo/PS8RV, Anselmo/PS8AB, João/PS8PY, Fernando/PU8PSF and Natan/PU8RZB active as ZY8D from **Canarias Island** (DIB-MA03) between July 29-31st. Activity on 40/20/15/10 m - SSB & 100 watts. Will also in the RSGB IOTA Contest (July 30-31). QSL via PS8RV direct.

K6VVA/KL7 MYSTERY IOTA (YOU GOTTA READ THIS TO BELIEVE IT!!) -- Rick, K6VVA, states, "Between 1 JUNE and 30 AUGUST, I intend to activate several more KL7 IOTAs. But each NA-xxx IOTA # will remain a "MYSTERY" until AFTER the Expedition is completed. You MUST check this webpage <http://www.k6vva.com/iota/> for details and Confirmation of QSO instructions, which will then include the specific date(s) of QRV and IOTA # needed to solve each "Mystery"." For more details, see Rick's Web page.

There you have it for this month and a little ahead. Get on the air and work some DX and let me know how you did. Until next month, 73!

Hamfest Calendar

08/06/2016 - Columbus Hamfest - Location: Aladdin Shrine Center - 1801 Gateway Circle - Grove City, OH 43123 - Website: <http://www.columbushamfest.com> - Sponsor: Voice of Aladdin Amateur Radio Club (W8FEZ) - Public Contact: Jim Leonard, WD8MRT - 37-B Noble Terrace Springfield, OH 45504 - Phone: 614-264-8566 - Email: wd8mrt@arrl.net

08/21/2016 - Cuyahoga Falls ARC's Eighth Annual Tailgate Hamfest - Location: Robert Pinn Armory - 4630 Allen Road - Stow, OH 44224 - Website: <http://cfarc.org/tailgate.php> - Public Contact: Frank Tompkins, W8EZT - PO Box 614 Cuyahoga Falls, OH 44222 - Phone: 330-928-4048 - Email: tailfest2016@cfarc.org

09/03/2016 - 67th Annual Uniontown ARC (W3PIE) Gabfest - Location: Uniontown Amateur Radio Club Grounds - 433 Old Pittsburgh Road - Uniontown, PA 15401 - Website: <http://www.w3pie.org> - Public Contact: Mike Kosco, KA3WOI - 12 Burlington Avenue Uniontown, PA 15401 - Phone: 724-437-3943 - Email: mikeko@verizon.net

07/10/2016 - 20/9 Radio Club Hamfest 2016 - Location: Austintown Senior Center - 112 Westchester Dr - Austintown, OH - Website: <http://20over9.org> - Contact: Dotti ONeilMeleski, KC8SYF - 17520 Denver Dr Lake Milton, OH 44429 - Phone: 330-651-8420 - Email: Hamfest@20over9.Org

09/11/2016 - Butler County Amateur Radio Association BCARA SwapFest - Location: Unionville Fire Dept - 102 Mahood Rd - Butler, PA 16001 - Website: <http://www.w3udx.org> - Contact: Rick Melton, N3VKM - 214 Criley Rd - Cabot, PA 16023 - Phone: 724 287-8134 - Email: n3vkm@arrl.net

09/25/2016 - Cleveland Hamfest and Computer Show - Location: Cuyahoga County Fairgrounds - 164 Eastland Road - Berea, OH 44017 - Website: <http://www.hac.org> - Contact: Glenn Williams, AF8C - 4134 Stoney Ridge Road Avon, OH 44011 - Phone: 800-CLE-FEST - Email: info-list@hac.org

10/16/2016 - Conneaut ARC Hamfest - Location: American Legion Post - 272 Broad Street - Conneaut, OH 44030 - Website: <https://www.facebook.com/events/1109527472432186/> - Public Contact: Michael Anderson, W3MJA - 1844 Dee Jay Avenue Erie, PA 16510 - Phone: 814-384-0443 - Email: w3mja@yahoo.com

11/06/2016 - WACOM HAMFEST 2016 - Location: Washington County Fairgrounds - 2151 North Main Street - Washington, PA 15301 - Website: <http://www.wacomarc.org/hamfest.html> Public Contact: Bud Plants, N3TIR - 236 Chambers Ridge Road West Alexander, PA 15376 - Phone: 724-350-6745 - Email: bud@n3tir.com

Net Night Quiz Answers

Answers are (for a total of 20 points):

1-c 2-b 3-d 4-c 5-b&c 6-a 7-c 8-b 9-d 10-a 11-c
12-c 13-a 14-a 15-c 16-b 17-a 18-d 19-c - Satellite

Well - How Did You Do ??



Noise Floor Inquiry by the FCC

From the ARRL

FCC Technological Advisory Council Initiates Noise Floor Inquiry



Radio amateurs frequently complain about increasing noise from a variety of sources, so it should be welcome news that the FCC Technological Advisory Council (TAC - <https://www.fcc.gov/general/technological-advisory-council>) -- an advisory group to the FCC -- is investigating changes and trends to the radio spectrum noise floor to determine if there is an increasing noise problem, and, if so, its extent. The FCC Office of Engineering and Technology (OET) announced the TAC study in a Public Notice and invited comments (<https://www.fcc.gov/ecfs/>) and answers to questions that the TAC has posed in the notice. The comment deadline is August 11. The TAC said it is trying to determine the scope of any noise issues and has invited "quantitative evidence" of noise problems, as well as recommendations on how to perform a noise study. "The TAC is requesting input to help answer questions about the study of changes to the spectrum noise floor over the past 20 years," the announcement said. "Noise in this context denotes unwanted radio frequency (RF) energy from manmade sources."

Like many spectrum users, TAC members expect that the noise floor in the radio spectrum is rising as the number of devices in use that emit radio energy grows."

The ARRL representative on the TAC, Greg Lapin, N9GL, co-chairs the TAC Spectrum and Receiver Performance Working Group with Lynn Claudy of the National Association of Broadcasters. Lapin also serves as chairman of the ARRL RF Safety Committee.

The TAC said that its search for "concrete evidence of increased noise floors" has turned up only "limited available quantitative data" to support its presumption of a rising noise floor. The TAC said it wants to find ways to add to the available data so it can "answer important questions" on the topic for the FCC. The TAC said that responses to the questions it has posed in the Public Notice will help it to "identify aspects of a study to determine trends in the radio spectrum noise floor." The [Public Notice](#) included information on all methods of responding to the inquiry. ARRL is planning to comment.

For more information, contact Greg Lapin, N9GL (glapin@arrl.org). Read more - <http://www.arrl.org/news/fcc-technological-advisory-council-initiates-noise-floor-inquiry>.



Swap-N-Shop

FOR SALE: MFJ-259B Antenna Analyzer with Case and rechargeable batteries. Good condition - \$160
Yaesu FT-1000MP - excellent condition with roofing filter and extra filters, manual - \$950
Classic Hammarlund HQ-129 shortwave receiver, electrolytics and tubes replaced 5 years ago, average to good condition, \$100
Ten Tec Corsair - complete with external power supply and speaker, optional CW filter and manual - great CW rig - \$400 OBO

Contact: George, K3GP at 330-829-9504 [09/02/16]

FOR SALE: Kachina 505DSP In great shape, original DSP radio, Great for digital work \$400 **Kenwood SP430 Spkr**, \$ 40
Yaesu FT-757-GXII, in good condition with mike \$300 **Gwinstek Function Generator**, \$ 25
Gwinstek DMM, \$ 25 **Albia Pwr Supply** Dual Variable +15&-15 \$ 25 **AEA model QT-1, Antenna tuner** \$25
EZ Oscilloscope 60MHz Dual Channel \$ 50 **Mosley CL-33-M 10, 15, 20 MTR BEAM** antenna, \$200
Nye Viking, MBI-001 Tuner, \$100 **Sencore TF151, Transistor tester** \$25 **Shure model PE515, Microphone** \$25
Shure model 444D, Microphone \$25 **HEIL HTH**, Handie talkie headset for Kenwood HT's \$25
Misc tower parts, lots contact me if interested. Will accept reasonable offers.

Contact: Allan, AB8AA at AB8AA@portcars.org [10/02/16]

FOR SALE: Base Antennas & Mosley Classic 36 6-element Tri-Bander There are 3 Commercial Base Station antennas manufactured by **Antenna-Specialists Models: ASP-682 & ASP-680** factory tuned for the 2-meter band all 3 just came out of service with mounting clamps and N-connectors on the pigtailed. Also there is a **Hustler Model: G6-270** dual-band base antenna, plus a **Diamond Model: X-50 ONA** dual-band base antenna, plus 2 tower standoffs, various coax cables, extra antenna clamps for mounting. This entire package and all for a price of \$700 for pickup only in N.E. Ohio (Cleveland area). NOTE: Will sell separate for each item, call for pricing.

Yaesu FT-60: \$100 **ICOM IC 91AD D-Star** \$100 **Bird VHF slugs** - \$50 each **Antenna Specialist 100 w mobile amp** - \$100

Lafayette HA-410 10-Meter AM transceiver w/AC cord, mobile hand mic., working. Plus two spare radios for parts - \$200.

Contact: Jeff, WA8SAJ by phone at 440-951-6406 [08/02/16]



FOR SALE: Icom IC-7800 - low mileage, great condition.

Contact: Tim, K3LR by e-mail at: K3LR@K3LR.com [07/02/16]

FOR SALE: Kenwood SP-820 Speaker - with filters \$80. **DenTron Jr Monitor 300 watt antenna tuner** - Tunes long wire, coax, twin lead antennas. \$75 **Dentron model 80-10 Long wire antenna tuner** - \$65.

Contact: Mark, W8BBQ by e-mail at: W8BBQ@portcars.org [08/02/16]

FOR SALE: Cushcraft 3-element Mono-band 10 meter Yagi: New \$ 289.95, will sell for \$ 125.00.
M2 - 6M5XHP, 6 Meter Yagi 5-element 18 ft boom: New \$ 419.95, will sell for \$ 125.00

Contact: Ed, K8IV by e-mail at K8IV@portcars.org [10/02/16]

PCARS
Join Now
Discover the FUN



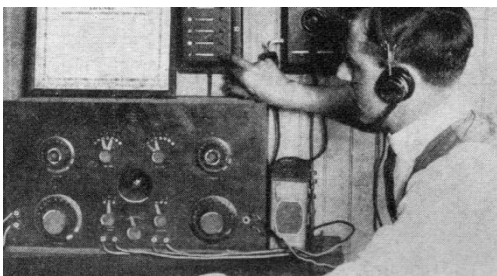
People used to Blame Earthquakes and Droughts on New Radio Technology

Matt Novak



New technology is scary. Just ask the people who think that their illnesses are caused by wifi. But blaming unfortunate things on newfangled technology has been happening for decades, if not centuries. Like when farmers of the 1920s used to blame too much rain, earthquakes, and droughts on the new technology of radio.

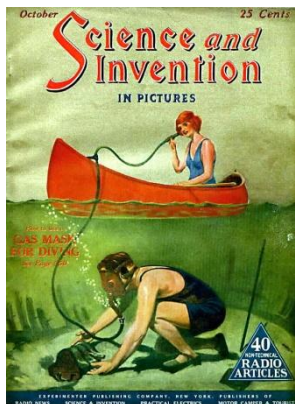
The October 1924 issue of *Science and Invention* magazine included an article by publisher and editor Hugo Gernsback. Gernsback, now a legend of the science fiction genre, explained that even though some people might blame extreme weather on radio, the science just wasn't there.



Radio set from 1924 scanned from the October 1924 issue of *Science and Invention* magazine

The technology of radio was still relatively new to most Americans in the early 1920s, so it seems only natural that bizarre beliefs would proliferate. As you can see from the article, however, Gernsback was a big believer in the potential healing power of radio. So he stretched the future benefits of the technology to include things such as lowering blood pressure.

Gernsback's editorial is a fascinating artifact from the dawn of consumer radio. and I've included the entire text below.



“Whether there is a cyclone, long extended rain, or, for that matter, a long extended drought or an earthquake, radio is sure to be blamed for the result. Of course scientists scoff at any suggestion that radio can have any effect whatsoever on rain or drought, but it is also true that radio waves no doubt have SOME effect on our atmosphere, but this effect may be compared with an electric fan in the midst of a prairie. The fan will make SOME breeze and create SOME disturbance, but the effect ten or fifteen miles away from the fan will be practically nil. So with radio.

The entire power that is actually sent out into space all over this globe does not amount to more than 5,000 kilowatts, in other words, a power that would light about 100,000 fifty watt incandescent lamps. If in the future this power should amount to a million kilowatts or over there is no telling but that this power might actually have a slight effect upon our atmosphere, but even then it could never be serious enough to interfere with rain or sun. The super-radio ration of the future—when we will send power by

radio—and which may radiate into space 500,000 kilowatts will be quite a different matter. Such a super-station would probably keep the immediate vicinity free from rains if sufficiently elevated. It has been shown recently that aviators using electrified sand were able to disperse clouds and actually cut huge holes into cloud banks by this means. It would seem that future radio power stations might clear the air of rain, sleet or snow for possibly a few miles around, but even such huge stations will probably not affect the rest of the atmosphere to any marked degree.

The writer has often been asked “What effect do radio waves have upon the human body?” It is a fact that as you are reading these lines radio waves are passing through your body from all sides. No matter where you are these days radio waves of various frequencies will actually pass through your entire body almost every second of the day. If you are in the open, such waves will surge more strongly through you than when you are in the city. When you are standing alone on a prairie, you will possibly receive the maximum effect of the waves. If you are in the city, surrounded by tall steel buildings, these buildings rather than your body, will absorb most of the radio waves and finally if you should place yourself into a hermetically sealed steel vault, no waves would pass through your body at all.

But what is the effect of these waves upon the human body ? As far as we have been able to observe, directly and indirectly, the effect is practically nothing, or no more than the effect of sunlight on a pane of glass. There must be some effect, but it is very little—that is, with the power that is being employed by the radio stations at the present time; it is so weak that you must amplify it thousands of times in a receiving set in order to hear a single note. The human body itself as far as the radio wave is concerned is a conductor that conducts electric currents fairly well.

If you live right underneath a powerful radio station there would undoubtedly be some effect on your body and this effect would be a beneficial one. It would possibly be of benefit to the human being, that is, if he is under the influence of the radio waves for twenty or thirty years. Under such influence then you would probably not be subjected to arterio-sclerosis (hardening of the arteries). This is the most common pathological condition of man as he grows old. It was discovered by d’Arsonval some years ago that high frequency currents actually had the effect of greatly reducing this ailment (by lowering the blood pressure). Of course there would only be this beneficial action if one were living very close to the transmitting station. One mile away from it there would be practically no effect.

About fifty or one hundred years from now with super-radio stations generating millions or billions of kilowatts, the situation will probably change. The beneficial action will then be felt by everyone no matter where located on this globe. Furthermore, the high frequency currents will have become sufficiently powerful to have a vitalizing effect on every human being. We will all be electrified then—in the full meaning of the term. Not only man, but plant life will also be greatly stimulated as recent high frequency experiments on plants have shown. Our crops and plants will grow probably two to ten times as quickly and the crops will be more productive under this electrification. The super radio power stations will then also locally control the weather. If rain is required in a rural section, its radio power station will shut down for one or two days during the week, to allow rain to fall.”

Reprinted with permission from Matt Novak. You can find this and other articles from Matt at: <http://paleofuture.gizmodo.com/> Matt Novak is the editor of Gizmodo's Paleofuture blog. Matt Novak writes and edits the Paleofuture blog for Gizmodo. The blog was formerly at Smithsonian. Matt has written for BBC Future, Pacific Standard, Slate, The Verge, GOOD, Wall Street Journal, TheAtlantic.com, and BuzzFeed. He has delivered talks at South by Southwest, dConstruct in Brighton, The Conference in Malmo, Sweden, UCLA's Digital Cash conference, and the University of Virginia's edUiconference. In 2012, he partnered with the BBC to put on an exhibit of retro-futuristic items from his personal collection in Hollywood. Matt can be reached at novak@gizmodo.com or followed on Twitter. He lives in Los Angeles.



PCARS Members - 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 54 plates now, but we can use more. Don't have ham radio call plates on your vehicle? Well for those of you in Ohio, you can get the plates sent to you by going to any License Bureau office and filling out the special plate registration form. Have a copy of your current FCC license when you apply. The official form to obtain your Ohio Amateur Radio license plates is on the [PCARS Yahoo Group](#) site. Then you'll have an old plate to bring in to get hung up as a **permanent part of PCARS history**.

From the Ohio BMV:

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

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

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

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

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

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

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

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

PCARS Yahoo Group

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/>

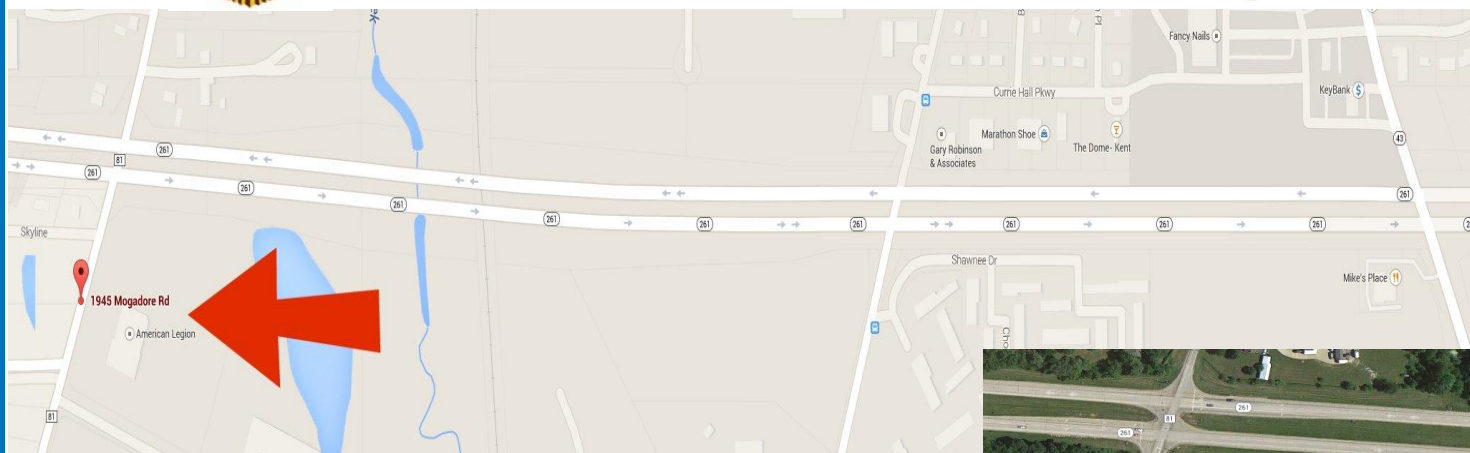


PCARS Meetings

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



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



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



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

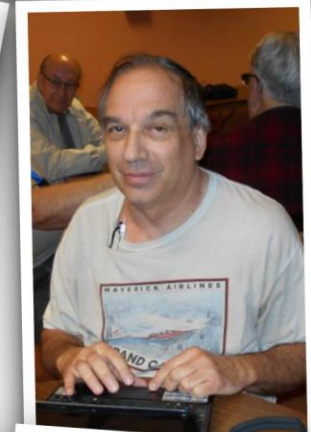
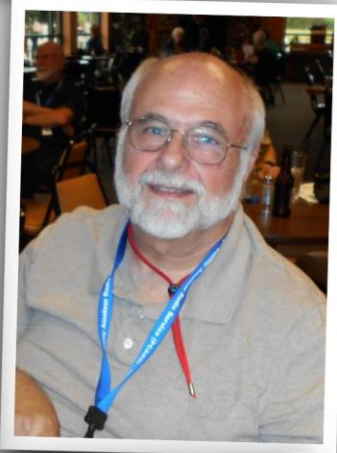
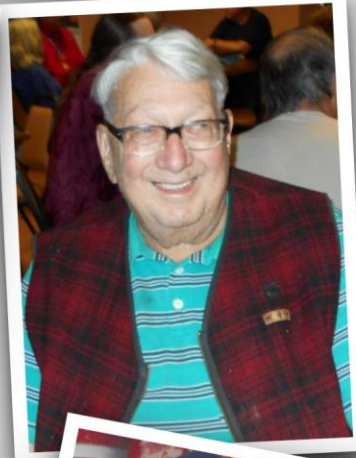
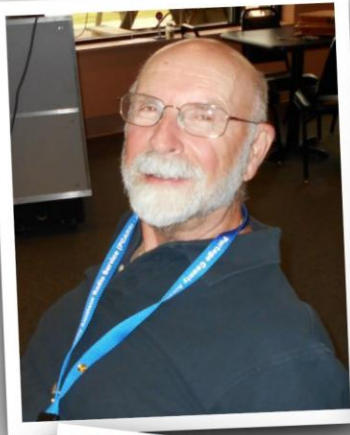
The menu consists of your basic burger / dog / chicken sandwiches, wings, fries, onion rings, and salads. There is also an appetizer selection as well. Adult beverages are available and costs are in line with what you would expect at most bar-restaurant facilities.

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

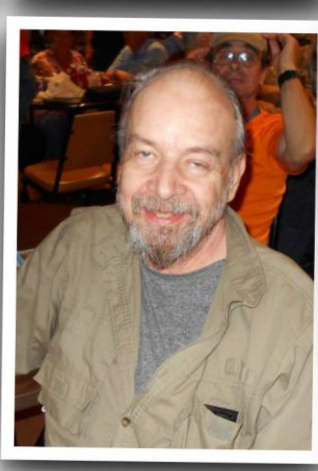
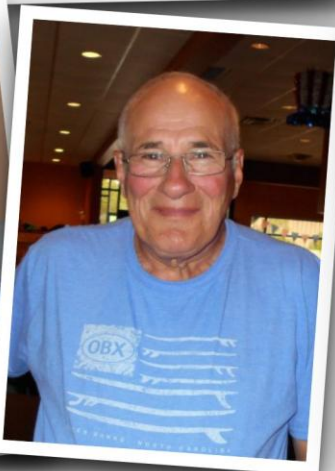
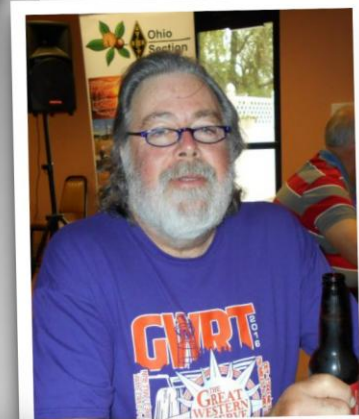
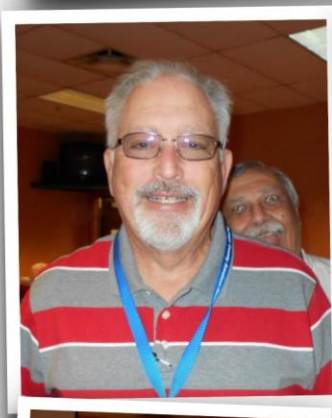
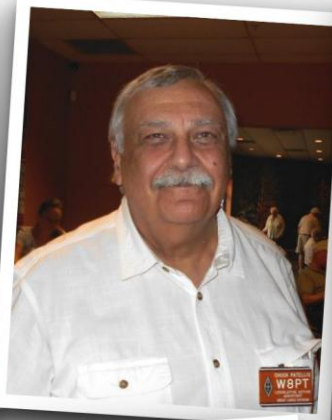
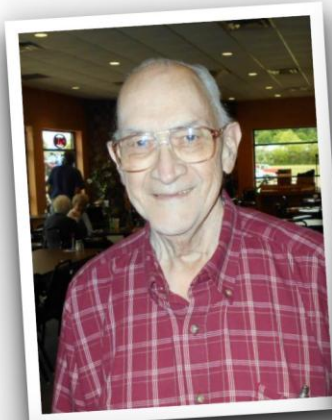
Photos from the June PCARS Meeting



PCARS 13 June 2016







Important Dates in July

Here are some actual holidays listed on <http://www.timeanddate.com/> that are a little off beat and fun. You can click on the name of the holiday for more information.

Jul 1	Friday	International Joke Day
Jul 2	Saturday	I Forgot Day
Jul 2	Saturday	World UFO Day
Jul 4	Monday	Independence Day
Jul 5	Tuesday	Workaholics Day
Jul 7	Thursday	Tell the Truth Day
Jul 8	Friday	Video Games Day
Jul 8	Friday	Math 2.0 Day
Jul 9	Saturday	Sugar Cookie Day
Jul 13	Wednesday	Embrace Your Geekness Day
Jul 20	Wednesday	Space Exploration Day
Jul 21	Thursday	Junk Food Day
Jul 22	Friday	Pi Approximation Day
Jul 23	Saturday	Vanilla Ice Cream Day



Thanks & 73

Tom "Parky", KB8UUZ
PCARS Newsletter Editor

All of our members (and others) look forward to getting this newsletter every month, so keep sending those inputs! I'm sure PCARS will again be known as the **BIG FUN** amateur radio club with plenty of activities to report on in this newsletter all throughout 2016 and beyond. **This issue (July) is usually a bit smaller since we have all been concentrating (and recovering) from Field Day. The complete Field Day 2016 report will be in the August issue of The RADIOGRAM.**



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

K8CAV, AC8NT, KB8UUZ, N8RLG, W8WWV, KC8PD, WB8LCD, KU2US, KB8AMZ, K3LR, W8KNO, W8PT, NF8R, Matt Novak, Tower Talk Archives, Timendate.com, the ARRL and the World Wide Web.

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

HAMFEST, ELECTRONICS, & COMPUTER SHOW

FREE ADMISSION – FREE PARKING



WHEN: Sunday July 10, 2016
TIME: 8AM till 1PM
WHERE: Austintown Senior Center
112 Westchester Dr. Austintown, OH
(Just off State Route 11 and Mahoning Ave)

Tailgate spaces: \$5.00 per space
(Outside tailgate weather permitting; if inclement weather tailgate will be inside – No Table)

Inside Space: \$10.00 includes electricity
6ft & 5ft tables available at no additional cost by pre-registration till
sold out. Welcome to bring own tables.

ALL AIR CONDITIONED BUILDING!

Food and Beverages Available
(Provided by the Austintown Senior Center)



**** ARRL License Testing Available at 8:30 AM ****

****Forums: **ARRL/ARES** ** Ham Electrical Safety**
****Basics of EZ-NEC Antenna Modeling******

****QSL Card Checking****



Prize Tickets Sold For: 1st Place YAESU FT-2900 2M MOBILE
2nd Place 2M/440_Hand Held Radio
PLUS ARRL Gift Certificates, and More!
****Half Hour Prize Drawings****

**** 50/50 Drawing ** **Mobile Check-in prize****



Visit our Website www.20over9.org Email: hamfest@20over9.org

330-651-8420 Check in 147.315+ K8TKA repeater

Ohio State Parks On The Air



The Portage County Amateur Radio Service, Inc. (PCARS) announces the **9th Annual “Ohio State Parks On the Air” (OSPOTA)** contest, from the hours of noon to eight p.m. EST (1600 UTC to 2400 UTC).

9th OSPOTA - September 10, 2016	10 th OSPOTA - September 9, 2017
11 th OSPOTA - September 8, 2018	12 th OSPOTA - September 7, 2019
13 th OSPOTA - September 12, 2020	14 th OSPOTA - September 11, 2021
15 th OSPOTA - September 10, 2022	16 th OSPOTA - September 9, 2023
17 th OSPOTA - September 7, 2024	18 th OSPOTA - September 6, 2025
19 th OSPOTA - September 11, 2026	20 th OSPOTA - September 11, 2027

Always the first Saturday after the Labor Day holiday.



For hams throughout the State of Ohio, this is your opportunity to visit and enjoy the amenities offered by the 74 beautiful State Parks here in Ohio. Don't just make a day of it, spend the weekend at the park of your choice. No matter whether you are camping or staying at one of the outstanding lodges or resorts, you will find that the parks are one of Ohio's greatest assets. Find out more about the Ohio State Parks at: <http://parks.ohiodnr.gov/>

In past years, hundreds of Amateur Radio Operators (hams) from around the country participated in the event. With the success of OSPOTA, we hope to have amateur radio operators at every Ohio State Park.

This contest places a premium on working stations located in the Ohio State Parks. That means that it is critical to have as many parks activated as possible. The challenge for Ohio stations will be to work HF in the 50 to 300 mile range. This is the perfect opportunity to learn more about the design and deployment of Near Vertical Incident Skywave (NVIS) antennas. You can find numerous designs on the Internet and in various Amateur Radio antenna manuals. Along with your operating skills, it will be a chance to showcase your antenna building skills as well.

Individuals and multiple operators can operate Ohio State Park stations. Non-park stations in Ohio as well as stations outside of Ohio can also compete.

Contacts can be made on 80, 40, 20, 15 and 10 meters using SSB. All contacts have the same point values.

Make sure that you read the Rules, FAQ's and get your forms for the contest that are posted on the OSPOTA website: www.ospota.org before the contest.

So get to an **Ohio State Park** and get **On The Air** in September. Have some fun with this contest! Learn more about PCARS at www.portcars.org.



73 for now,
OSPOTA Contest Committee

1 Dec 2015



The Portage County Amateur Radio Service, Inc. (PCARS) announces the 9th annual

Ohio State Parks On The Air



Ohio State Parks On The Air contest

Saturday, September 10, 2016, from 1600 UTC to 2400 UTC

There are **74** Ohio State Parks
Make a day of it and join us in the **FUN!**

Visit a beautiful Ohio State Park
and have some
Amateur Radio Fun at the same time!



Rules? Entry Forms? Log Sheets? Ohio State Park Information?

Check out **all** the details at: www.OSPOTA.org

While you're at it, check out the PCARS web site at: www.portcars.org

1 Dec 2015

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

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

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


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

PCARS uses the **K8IV** repeater: **146.895 MHz PL 110.9 ~ Rootstown, Oh ~ EchoLink Node: K8SRR**

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



~ 2016 Officers ~	2016 PCARS Appointments & Committees	
President - Rick Kruis - K8CAV Vice President - Jim Wilson - AC8NT Treasurer - Amy Leggiero - KD8SKL 3 Year Trustee - Jim Aylward - KC8PD 2 Year Trustee - Chuck Patellis - W8PT 1 Year Trustee - James Andrews - KD8VT Past President - Tom Sly - WB8LCD	ARRL Awards - DXCC WAS, VUCC, WAC	W8KNO Joe Wehner
	ARRL Awards - WAS	KB8UUZ Tom Parkinson
	Club Site Manager/Liaison	KC8PD Jim Aylward
	Contest Coordinator	W8PT Chuck Patellis
	EchoLink	K8SRR Steve Randlett
	Field Day Chairman	W8PT Chuck Patellis
	FYAO Chairman	W8PT Chuck Patellis
	Historian	KB8SZI Peggy Parkinson
	K8BF Callsign Trustee	K8FEY Bob Hewett
	K8BF QSL Manager	K8FEY Bob Hewett
	Membership Chairman	KC8PD Jim Aylward
	Net Control Manager	WB8LCD Tom Sly
	Net Night - Club Manager	WB8LCD Tom Sly
	~ Meetings & Net ~	Newsletter Editor
2 nd Monday of each month. 7pm Thursday night Club Net at 8 pm on 146.895	OSPOTA Chairman	KB8UUZ Tom Parkinson
	Public Information Officer	WB8LCD Tom Sly
	Secretary	K8MSH Mark Haverstock
	Tech, Gen & Extra Class Manager	AC8NT Jim Wilson
	Volunteer Examiner Liaison	N8RLG Robert Gurney
	Webmaster	KD8MQ John Myers



KC8PD	Jim Aylward
KB8UUZ	Tom Parkinson
WB8LCD	Tom Sly
N8XTH	Deron Boring
N8PXW	Jim Korenz
N8QE	Bob Hajdak
W8PT	Chuck Patellis
K8IV	Ed Polack
K8QF	Russ Conklin
N8RLG	Robert Gurney
W8RID	Robert Davet
WA8CCU	Al Nagy
NR8W	Russ Williams
W8EZT	Frank Tompkins
N8OQQ	Bryan Buchwalter
AC8NT	Jim Wilson
K8MSH	Mark Haverstock
KA8TOA	Greg Ash
KB3GXB	Jennifer Andrews

PCARS Active Volunteer Examiner Team Members

PCARS Incorporated
Nov. 1, 2005

First Meeting
Nov. 14, 2005



ARRL Affiliated
April 20, 2006



Special Service Club
March 22, 2010

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

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NLC



"When All Else Fails - Amateur Radio Works"