



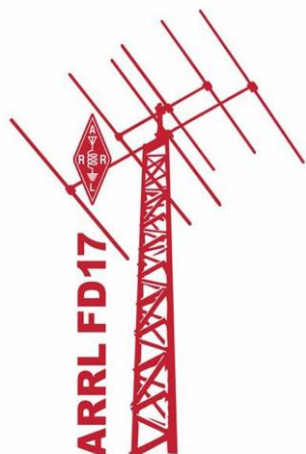
The **RADIOGRAM**

When All Else Fails ~ Amateur Radio Works

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

August 2017 - Volume 12 Number 8

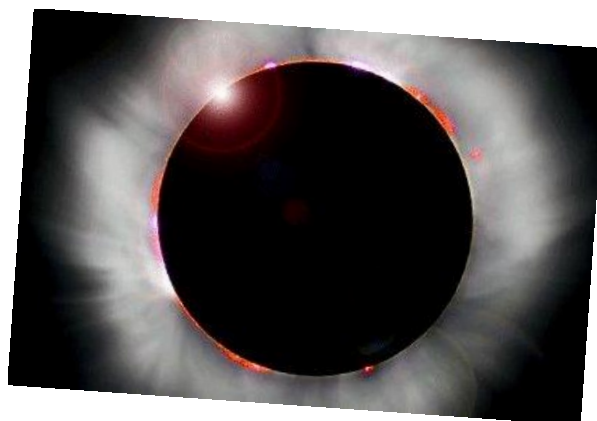
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Finals on Field Day 2017



SOLAR ECLIPSE QSO Party



*Get Ready for
Ohio State Parks On
The Air*



PCARS K8BF

The Club that puts the FUN in Ham Radio!



In This Issue of *The* RADIOGRAM

Volume 12 August 2017 Number 8

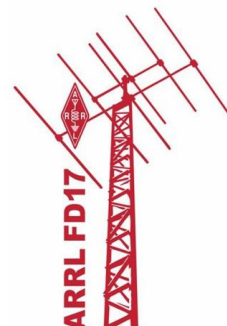


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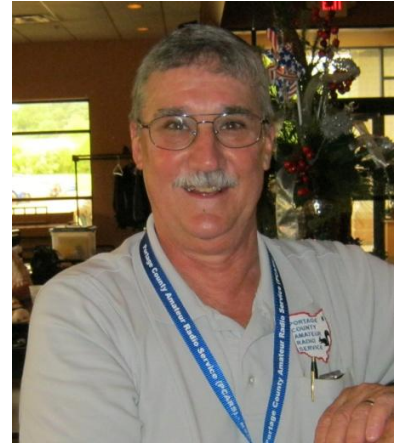
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From the President

Rick, K8CAV
PCARS President



Anarchy “an-er-rke” – “a state of disorder due to absence of authority”. And that can describe the direction PCARS might be heading if we don’t start getting members to step up and fill those positions of authority, or as I prefer to use the term, leadership. For months now I have been writing to one degree or another about the need for people to fill and serve the various positions in the club that became vacant either by resignation or by regularly scheduled elections. Last month we had two trustees resign and per our constitution and by-laws a special election was held to fill those positions. Sadly, only one of the two trustee positions were filled with no one, out of the forty plus people in attendance willing to step up to serve in the second vacant position. Is there anyone in our club that thinks that the trustee positions are just fluff and feather positions with no contribution to the club and its member’s welfare? Or for that matter any club function or activity that will run by itself without someone leading it? Taking it one step further does anyone really believe that PCARS will remain a viable organization if only one third of its members – or less typically attend a meeting or event? I can say without reservation that unless you start to become involved in the club’s leadership and attending its meetings and functions we’re about to find out just how well PCARS will exist under anarchy. Strong language? Yes it is. If you’ve enjoyed the type of club PCARS is, if you’ve enjoyed all of the things that PCARS does for its members, then it’s time for you, PCARS member, to step up and be a part of the leadership, to step up and attend meetings and events and be a part of PCARS. That’s what made PCARS what it was and that’s the only thing that will continue to make PCARS the enjoyable club for you that it is. I sincerely hope that you’ll be raising your hand when asked to serve PCARS and its members that you will show up and share that PCARS fellowship with others, and enjoy what PCARS is.

We have a lot going on again this month so mark your calendars and take a look at articles elsewhere in the newsletter for details. First on the calendar is the annual Cruise-In at the A&W root beer stand in Ravenna. Because of commitments to automotive Cruise-Ins taken on by the owner of the A&W, we’ve switched the day from Wednesday to Thursday. PCARS will also be holding the monthly ‘Net Night at the Club Site’ at the Cruise-In in lieu of its normal date of the fourth Thursday and normal location of the club site.

The Ohio QSO party is scheduled to take place on Saturday August 26th from noon until midnight (local time) PCARS has always done very well in this contest because of the operators who have given their best. Tom WB8LCD, Amy KD8SKL, and yours truly will be manning the grill to bring you some ‘Barbeque’ QSO Party great eats! I know Chuck W8PT would appreciate hearing from you to schedule a time to operate.

In order to do even better this year in the Ohio QSO party and other contests we operate in, PCARS is putting up two new antennas. An 80 meter dipole and a 40 meter dipole will both grace our club site with one end of each antenna up at about 60 feet on the tower (and no climbing necessary! Hi). Jack N8BI and Jim AC8NT are planning on raising the antenna on Saturday August 12th and we could use some helping hands. The date is still tentative as we’re waiting on confirmation of a scissors lift so keep an eye out for a QST e-mail confirming details.

I’d like to close with a very sincere thank you to all of you who do contribute to PCARS, by attending meetings, by serving in leadership positions, by volunteering your time and talents. It means the world to the club and to its members and it does not go unnoticed or unappreciated.

From the Vice President

Jim, AC8NT
PCARS Vice President



This has been another great month. We have had some great events, some projects completed and a lot of fun with some new projects.

Events - We had two build days. Both days had great turnouts, good discussion and fun. The first was a Balun build day. We discussed all kinds of baluns, talked about pros and cons and discussed building options. We delivered a few kits containing the parts necessary for building a QRP 1:1 and 4:1 switchable balun. I have seen some of the finished products and they look great. Our second build day was to provide information to build a JT65 digital setup using a Raspberry Pi. Again a great turnout and I believe everyone had fun loading their first Pi. This is a great relatively low cost project that can get anyone using digital modes.

The Club Lab - The lab is now completed. Please see the separate story about this great addition. Thanks to all that helped make this possible.

Digital Mode Stations at the Club - Thanks to Rick K8CAV for his help in setting up the digital stations at the club. If you are interested in trying these modes we have two rigs ready and waiting. The IC-746 and the Kenworth TS-590 are all setup for WSJT-X and FLDIGI. Come to one of our GOTA events and we will show you how it all works.

Personal Projects - Finished a project to allow me to use the FT8 digital mode. This has been a lot of fun and a big learning experience. The Yahoo group supporting WSJT has had a lot of discussion on the nature of a minimum QSO. Give me 100 hams and will see at least 30 different definitions. Next Field Day I predict a lot of sites will be using these modes. PCARS used digital at our last Field Day and kicked butt in contacts. Next year we will do even better.

Future Projects - We are planning to put up two new dipoles at the club site for 80 and 40 meters. This project has been led by the Technical Group and in particular Jack N8BI. We have lenitively scheduled this event for Saturday August 12th. The weather backup date will be August 19th. This date is contingent on getting the required man lift. **WE WILL NEED SOME HELP!!!** Mark this date on your calendar's so you can help with this great project. I am certain it will be an all-day event. We may have a cook out to thank all that attend. Please let know if you are interested.

Cruise-In - Our annual PCARS Cruise-In will be held at the Ravenna A&W on Thursday August 17th. We will be running the Thursday Night Net from the site. Lots of prizes and fun are planned. See flyer in this newsletter for more details.

VE Session - Our next VE session will be Saturday August 5th. If you or anyone you know are interested in getting your Technician or upgrading to General or Extra come on out to the club at 10 AM and take the test.

GOTA Day - Our next Get-On-The-Air day is scheduled for August 19th. Great time for you to try our new digital stations, build something in the lab, or operate any of our stations using SSB or CW. Rigs, antennas, keys and digital equipment will be available, along with some instruction in how it all works.

Important Message to Users of the Club Site

We have a change to our use of the restrooms at the club site. Family Services has installed a door on the way to the facilities. They have asked us to unlock the door going to the restrooms and relock it when returning. Locking does not require a key; just a turn of the button. **PLEASE FOLLOW THIS SIMPLE PROCEDURE AND HELP KEEP FAMILY SERVICES SECURE!!**

Last notes: The PCARS Open House was on the agenda for the board meeting. Tentatively it is going to be Saturday, September 16th. It will be held rain or shine. We will be asking members to bring a dish to pass and will have the usual picnic fare including hamburgs and brats. I am planning a few door prizes to boot. We will start the event about 10 in the morning and eat about 1. All the rigs will be operational for use by visitors. We have a lot to show off. After the board meeting we will have better details and I will have information for a flier.

I am off to **Makerfaire Detroit** will be operating at the Ham Radio exhibit and visiting a lot of makers. I will be with someone that is a great photographer. Will get some pictures of ham related stuff for the next newsletter.



Schedule of Events

On the calendar for upcoming meetings and activities are:

- **August 5th - VE Testing at the Club Site - Starts at 10 am - Walk-Ins Welcome**
- **August 5th - ARRL Ohio Section Conference - Columbus, Oh - See the Hamfest Listing**
- **August 12th - Dipole Install Day at the Club Site - 9am**
- **August 14th - PCARS Meeting - Kent American Legion 7pm**
- **August 17th - Eighth Annual Cruise-In at the Ravenna A&W 6pm**
- **August 19th - Get On The Air Day at the Club Site 9 am**
- **September 9th - Tenth Annual Ohio State Parks On The Air (OSPOTA) Contest**

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



- | | | |
|----------------|---|---|
| First Tuesday | - | Digital - Moderator: K8CAV |
| Second Tuesday | - | QRP/CW - Moderator: KB8AMZ |
| Third Tuesday | - | Antenna - Moderator: WA8AR |
| Fourth Tuesday | - | DX & Contest - Moderator: W8PT |
| Fifth Tuesday | - | Linux for Hams - Moderator: KB8AMZ |

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

NOTE: Net Night will be at the Cruise-In on August 17th



FIELD DAY 2017 - Photographs

This issue of **The RADIOGRAM** includes a number of Field Day related articles. You can see more Field Day 2017 articles in the July issue as well.

Photos - **WOW**, do we have a **TON** of photos from PCARS Field Day. The count is up over 300. Needless to say - you're not going to see all the pictures in the newsletter. We just don't have room for them all. It would make the newsletter **way** too big to email. So, there are two other places you can go on the web and see the PCARS Field Day pictures.

First place is on the PCARS web site under the tab "**Field Day 2017**" - Thanks goes out to our web site guru, John, KD8MQ, he has posted them for all to see.

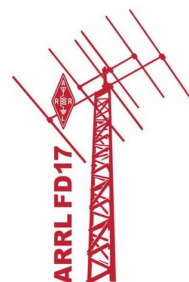
Go to: http://www.portcars.org/wp/?page_id=7388

Another place to see the PCARS Field Day pictures - along with pictures from other clubs around Ohio, is to visit the **Ohio Section** web site. Our ARRL Ohio Section Manager Scott, N8SY posted pictures that he received - and **YES**, I sent him all I have. **Thank you Scott!!**

Go to: <http://arrl-ohio.org/FD-2017/index.php>



Finals on PCARS Field Day 2017





Portage County Amateur Radio Service - Field Day 2017

Call Used: **K8BF**

ARRL/RAC Section: **OH**

Class: **4A**

Participants: **72**

Power Source(s): **Generator, Battery, Solar**

Power Multiplier: **2X**

Score Submitted: 11,536 + Bonus 1,650 = 13,186

Bonus Points:

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

Description	Points
Natural power QSOs completed	100
Site Visit by invited elected official	100
Site Visit by invited served agency official	100
Submitted via the Web	50
Educational activity	100
Safety Officer	100
Social Media	100
Total Bonus Points	1,650

Score Summary:

	CW	Digital	Phone	Total	
Total QSOs	1,133	315	2,872	4,320	
Total Points	2,266	630	2,872	5,768	X2 = Claimed Score = 11,536

Band/Mode QSO Breakdown:

	CW		Digital		Phone		
	QSOs	Pwr(W)	QSOs	Pwr(W)	QSOs	Pwr(W)	
80m	197	100	77	100	156	100	
40m	685	100	77	100	1,462	100	
20m	227	100	159	100	1,198	150	
15m	20	100	2	100	0	100	
6m	4	100	0	100	55	100	
2m	0	100	0	100	1	100	
Total	1,133		315		2,872		4,320

First Contact was logged at 1800 UTC on June 24th by the **40 Meter Phone Station** to W9FK in Wisconsin

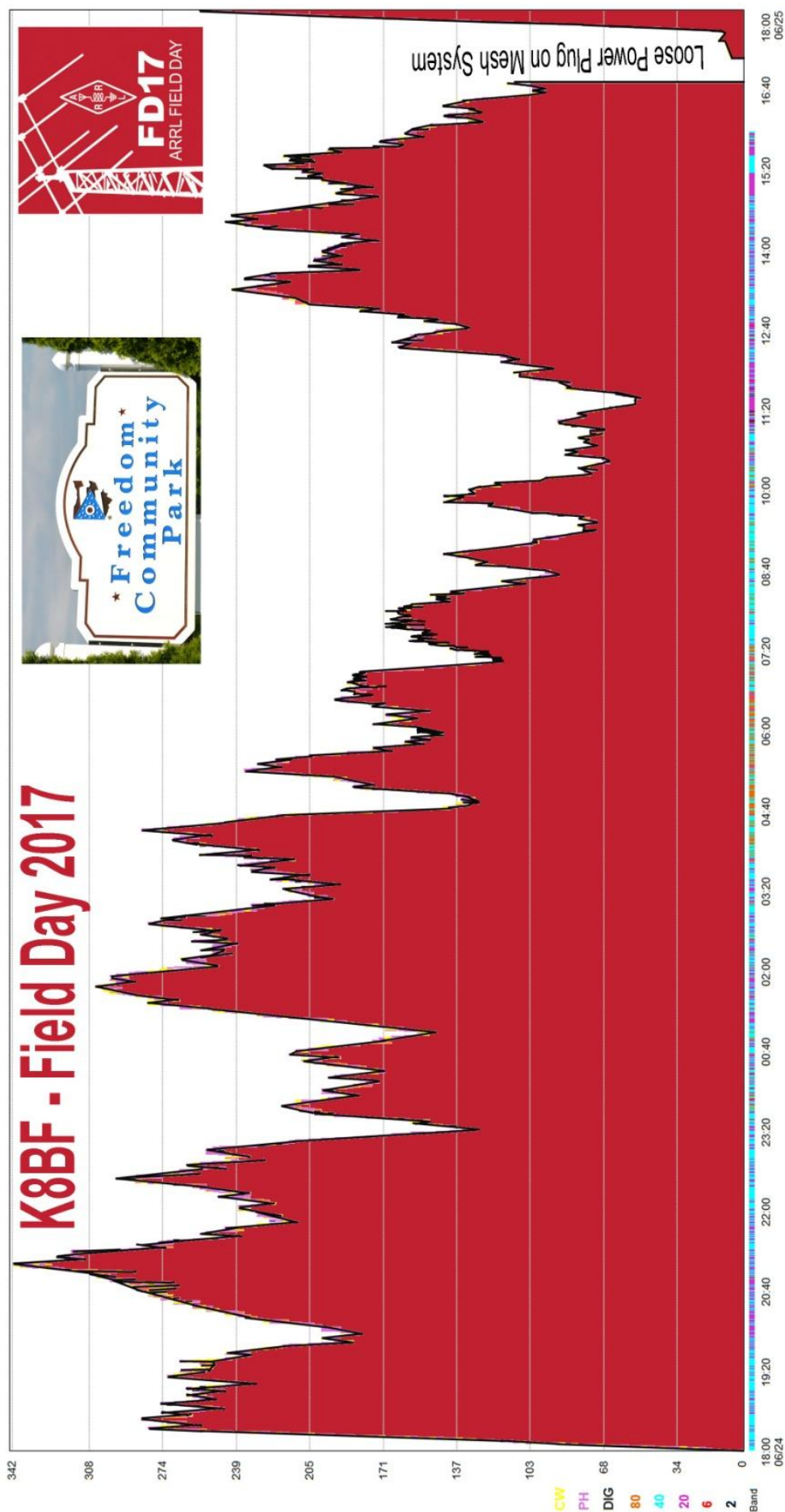
Last Contact was logged at 1800 UTC on June 25th by the **40 Meter Phone Station** to KT8BSA in Ohio

Station Totals:

Station	QSO's
40M	1,461
20M	1,199
CW	1,060

Station	QSO's
Flex	531
VHF	60



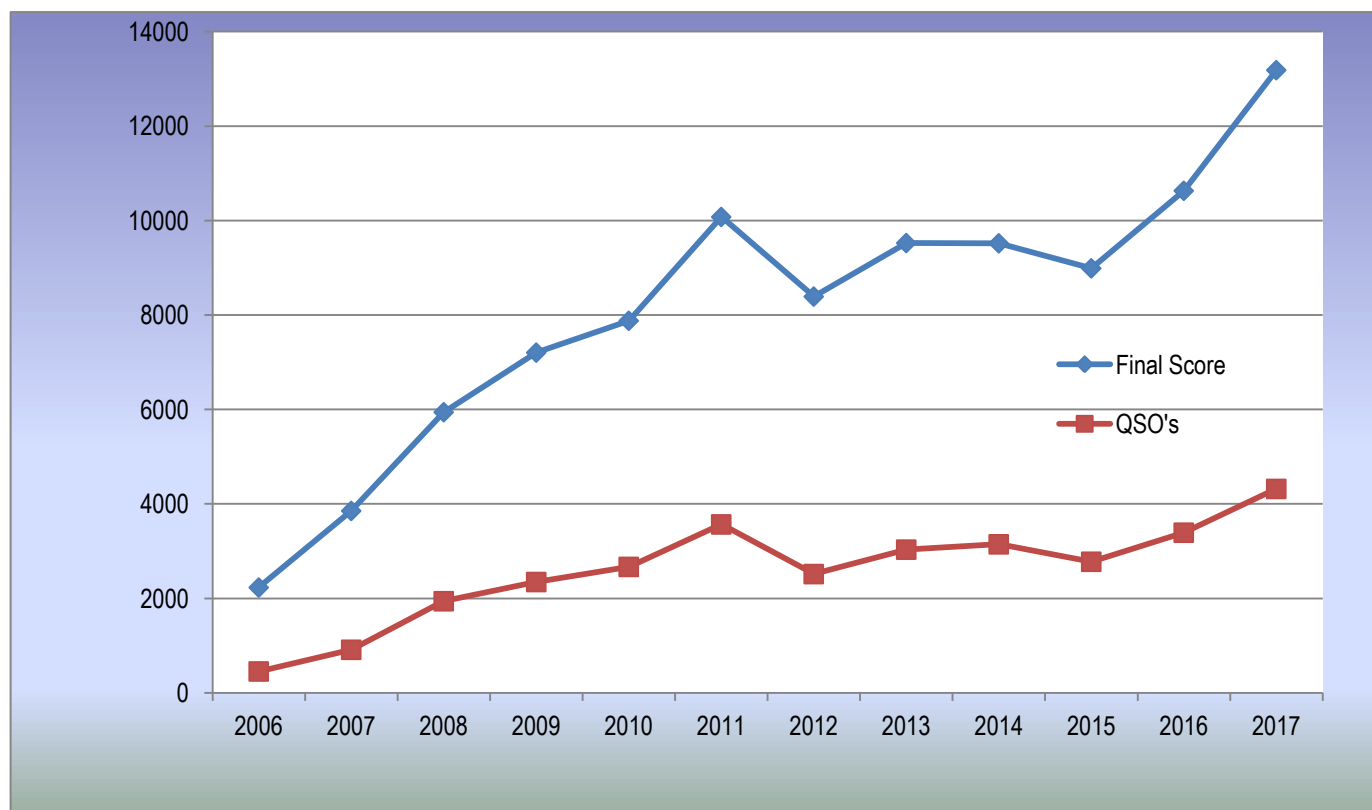


Past Field Day Comparisons

PCARS	Final QSOs	Final Score
2017 - K8BF	4,320	13,186
2016 - K8BF	3,393	10,632
2015 - K8BF	2,778	8,990
2014 - K8BF	3,147	9,520
2013 - K8BF	3,035	9,526
2012 - K8BF	2,517	8,392
2011 - K8BF	3,568	10,078
2010 - K8BF	2,669	7,880
2009 - KD8CKP	2,349	7,206
2008 - KD8CKP	1,942	5,944
2007 - KD8CKP	914	3,854
2006 - KD8CKP	455	2232
12 Year Totals	31,087	97,440



12 Year Average: QSOs = 2,591 Score = 8,120



PCARS Field Day Final Scores and QSOs - 2006 through 2017



K8BF - ARRL-FIELD-DAY 2017 - Loggers and Operators

Total Contacts by **Logger**:

Logger	Total	%
-----	-----	---
KD8SKL	501	12
KD8LLN	442	10
KD8DFL	419	10
K8SRR	305	7
K8MR	273	6
K8AAV	233	5
KE8ELR	213	5
K3GP	209	5
W5OV	181	4
W8PT	174	4
N8GIE	172	4
N8XTH	156	4
KB8AMZ	147	3
WB8LCD	124	3
N8QZ	108	3
AE8YL	92	2
WA8AR	87	2
WB9LBI	86	2
KB3GXB	71	2
K8IV	69	2
K8CAV	68	2
KB8UUZ	53	1
N8QE	31	1
KB8TUY	28	1
KE8BWA	27	1
KD8WCK	25	1
KA8TOA	15	0
N8GRI	8	0
KD8ICP	2	0
KE8EGF	1	0

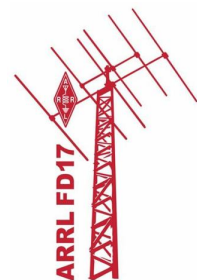
Total = 30

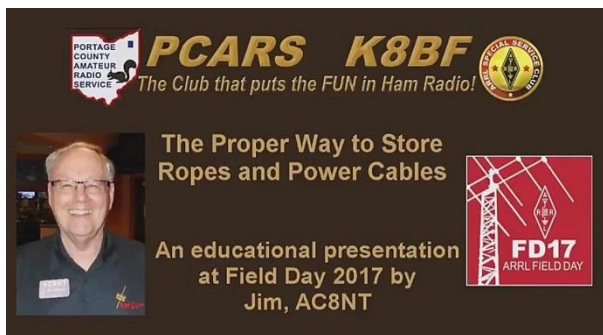


Total Contacts by **Operator**:

Operator	Total	%
-----	-----	---
W5OV	474	11
K8IV	427	10
W8PT	340	8
N8QE	310	7
K8MR	273	6
N8XTH	271	6
K8AAV	233	5
K8KSU	230	5
K3GP	209	5
KD8SKL	169	4
WB8LCD	156	4
KB8AMZ	147	3
KD8DFL	139	3
N8HUC	136	3
K8SRR	118	3
KD8QEJ	100	2
N8QZ	100	2
N8GIE	86	2
WB9LBI	86	2
KB3GXB	77	2
K8CAV	69	2
WA8AR	50	1
KB8TUY	28	1
KE8BWA	27	1
KD8WCK	25	1
KE8GSK	22	1
KA8TOA	15	0
KD8ICP	2	0
KE8EGF	1	0

Total = 29





HEY check it out - If you missed seeing the great educational program that Jim, AC8NT did at Field Day 2017 - it's on the PCARS YouTube site!!!!

<https://www.youtube.com/watch?v=kbaYsP9NuZA>



My Final on Field Day..

Hey Gang! Wow, is it wet out there or what?? We've had several of our counties get activated with flooding within the last couple of days, so be prepared!

Field Day: Yes, it's over for this year, but I know several clubs out there that are already underway on planning for Field Day 2018!

I did go to 15 different sites this year! I was exhausted and STUFFED by the end of my travels. I really want to thank all of you for your wonderful hospitality and fantastic food. We won't even discuss how much weight I put back on. Fear not, I am fasting to get it back off!

Field Day Pictures.. If you haven't taken a look, I have a lot of pictures from many of the Field Day sites posted in a gallery. Hey, one of those pictures may be of you! You can find this gallery at: <http://arrrl-ohio.org/FD-2017/index.php> This gallery also allows you to down load any picture to your computer as well.

Scott, N8SY

ARRL Ohio Section Manager



Editor's Note - Seems Scott was recently a victim to a motorcycle mishap. A car pulled out in front of him while doing about 45 MPH and he had to lay the bike down. Bad case of road rash, bumps and bruises.

So, per doctor's orders, he's taking it a bit easy for now. Drop him a line to say 'Get Well'

**SCOTT YONALLY - N8SY
258 Valley Hi Drive
Lexington, OH 44904**





CW Operation at Field Day 2017

Lessons that were learned (yes, we can still learn!) from last year's field day operation were applied and made set-up of the CW station this year smooth and nearly trouble free:

- 1) Erection of the three wire dipoles went smoothly thanks to help from the antenna team – thanks to all!
- 2) Not having to move the antenna mast after it was raised saved labor and more importantly, time.
- 3) Configuring the CW computer for Winkeyer and CAT control weeks before field day minimized set up problems – thanks to Zeb and the IT staff for their assistance correcting a minor issue with USB port definitions that cropped up on site at the last minute.
- 4) The power crew took care of getting power to the trailer, and driving the ground rod in plenty of time – thanks!

CW operation was ready and began on time at 2 PM local. Although we could always use more CW operators, there were an adequate number of CW aficionados available to keep the station operational through the entire 24 hours. My thanks to all who “pounded brass” with us this year.

The only inter-station interference we experienced was when the CW station and the Flex station were both operating on the same band. This can be expected as these stations were physically adjacent, and the frequency separation between CW and digital sub-bands is minimal. We were able to address this by coordinating our band changes with the Flex station to ensure we were (for the most part) on different bands.



Regrettably, there was one casualty at the CW position. Our trusty Behringer headset, a veteran of field day operations every year since 2004, went SH (Silent Headphone). A brief triage was attempted before it was determined that the headset could not be brought back to life. A moment of respectful silence was observed before a monotone version of Taps was sent on the CW paddle.

Field Day 2017 was “Big Fun” for all – PCARS had their best effort ever, setting new club records for contacts on all three modes. The weather was pleasant save for a short rain storm, the food was good, and the co-operative effort was exemplary.

The question now is what will we do to improve our results for Field Day 2018?

George, K3GP
CW Station Captain





First Time Field Day

I wasn't sure what to expect heading out to PCARS field day site. I have to admit I was pretty impressed when I saw the crew and all that went into getting set up for field day. I knew they were very serious about this hobby but air conditioned trailers, the biggest personally owned generator I've ever seen and so much ham radio equipment!



On Saturday I was able to sit in and listen to what was going on. It was exciting watching contact after contact being made and recorded.

This was the first time I ever saw CW in operation.

Topping it off I took the General license exam and passed! Thanks KB8UUZ, for making me want to try.

Sunday everyone welcomed me back like old friends. They let me get on the air and do some contesting myself. Thank you AE8YL for letting me use your rig and W8PT for nudging me along.

I'll definitely be back and hopefully be able to be a help next time.

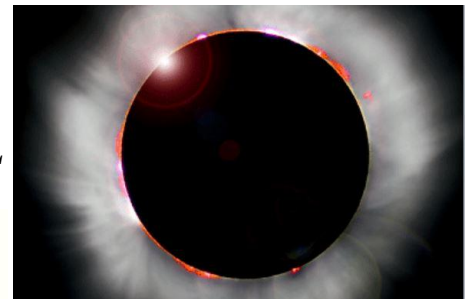
Maria, KE8GSK



Total Eclipse Events

From the ARRL

Many Special Events Will Be on the Air to Mark the Total Solar Eclipse in August

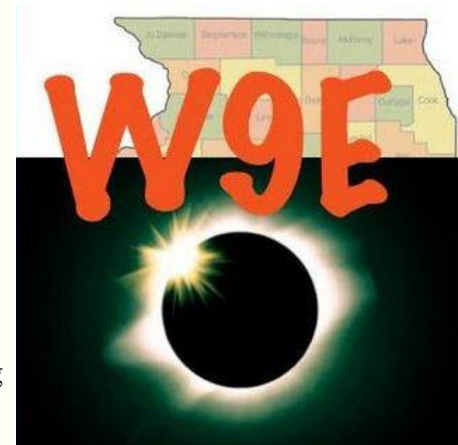


Radio amateurs from several states will gather in southern Illinois on August 17-21 to operate special event station **W9E** (<http://w9e.w9ry.com/>), leading up to and during the 2017 solar eclipse on August 21. W9E, which will operate from Marion, Illinois, is one of several announced solar eclipse special events.

"This will be the first total eclipse on American soil since 1991, the first on the mainland United States since 1979, and the first to sweep across the entire country since 1918. It will be an event you do not want to miss!" the W9E announcement said. "The far southern tip of the state of Illinois is the only place viewers can see the totality of the eclipse."

W9E plans to operate on 80, 40, and 20 meters (and perhaps other bands, if conditions permit), on CW, SSB, and digital modes (JT65, JT9, and PSK31). All amateur operators visiting the area for the eclipse are invited to visit. A copy of your license and photo ID are required to operate. Amateur Radio license testing also will be offered during the event.

While the W9E special event is under way, organizers are planning a joint exercise with ARES® Illinois District 11 Emergency Coordinator W. Bruce Talley, WA9APQ, hoping not only to assist with local communication during the eclipse but to coordinate with other ARES® groups as the eclipse travels from northwest to southeast. "Our plan is to be proactive and ready to respond as needed," said Talley. "Local volunteers and those from outside the area are welcome to [sign up in the database](http://w9ry.com/w9e/simple-contact-form-1/contactform.php) - <http://w9ry.com/w9e/simple-contact-form-1/contactform.php>. We are especially interested if you are coming to the area to view the eclipse and know where you will be stationed."



Solar Eclipse QSO Party

The Solar Eclipse QSO Party (**SEQP** - <http://www.hamsci.org/seqp-rules>), sponsored by HamSCI, will take place on August 21, 1400 to 2200 UTC.

As the August 2017 *QST* article "[The Solar Eclipse QSO Party -- Are You Ready?](http://www.arrl.org/files/file/QST/This%20Month%20in%20QST/August2017/Silver.pdf)" (<http://www.arrl.org/files/file/QST/This%20Month%20in%20QST/August2017/Silver.pdf>) explains, "The objective...is to flood the airwaves with contacts, all measured by the automated receiver networks of the Reverse Beacon Network, PSKReporter, and WSPRNet."

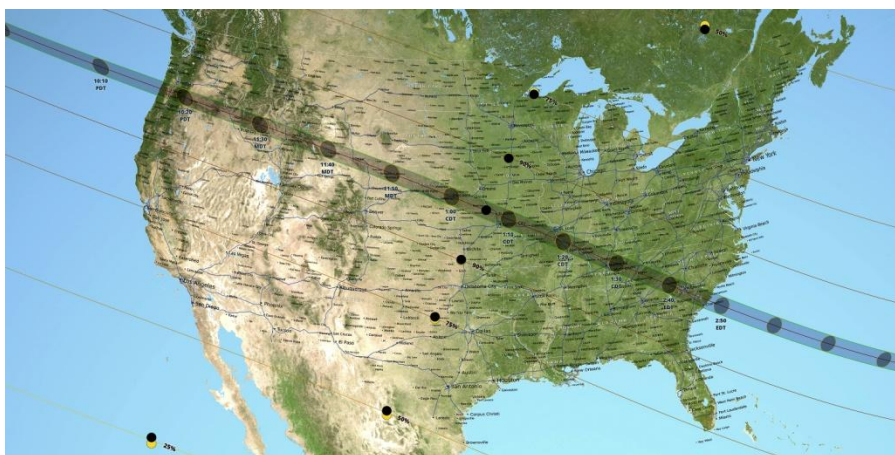
When those observations are combined with the logs from individual stations, the result will be one of the largest ionospheric experiments ever performed."

Other Total Eclipse Special Events

- The South Dakota's Black Hills Amateur Radio Club in South Dakota plans to operate special event K0E (<http://www.w0blk.com/>) on the day of the eclipse, August 21, 1500-1930 UTC, from Harrison,

Nebraska. Operation will be on 20 meters (14.260-14.280 MHz) and on VHF and UHF. Contact Bob Ewing, W0RE, (w0re@coldfrog.com) for more information.

- The Near Zero Sunlite, Great American Eclipse N0S special event will take place August 20-22, 1400-2200 UTC, in Crystal City, Missouri, sponsored by the Jefferson County Amateur Radio Club (<http://www.jcarmmo.org/>). Operation will be on or about 3.850, 7.250, and 14.300 MHz. QSL with SASE to Jim Berger, WA0FQK, 131 Ozark Dr., Crystal City, MO 63019.
- K7E will be on the air for the Great American Total Solar Eclipse 2017 special event, August 21-22, 1500-0300 UTC, from Laramie, Wyoming, near the path of totality, on or about 7.183 and 14.256 MHz. QSL Perry Lehman, N7FST, 19828 N. 78th Ln., Glendale, AZ 85308.
- The North East Wyoming Amateur Radio Association (NEWARA - <http://newara.org/>) will field special event W7S from historic downtown Gillette, Wyoming, August 19-21, 1200-0600 UTC, on or about 3.945, 7.265, and 14.265 MHz as well as on 147.360 MHz. QSL to Garth Crowe, WY7GC, P.O. Box 2208, Gillette, WY 82717.
- The Lincoln County Amateur Radio Club ([LCARC](#)) will operate special event N7E, August 20-22, 1600-1900 UTC, from Newport, Oregon, on or about 3.820, 7.200, 14.245, and 28.350 MHz. Contact Michael Eastman, N7ONP.
- Total Solar Eclipse special event N9E will be on the air on August 21, 1400-2000 UTC, from Hopkinsville, Kentucky, 7.180-7.190 MHz. Contact Peter Herman, KD9VV.
- The Lewis and Clark Radio Club ([LCRC](#)) will operate special event K9HAM from Godfrey, Illinois, on August 21, 0900-1700 UTC, on or about 7.225 and 14.280 MHz. Contact the LCRC for more information.
- In North Carolina, the Greater Gaston Amateur Radio Society ([GGARS](#)), will be on the air as N4S from Lexington, South Carolina, on August 21, 0000-1900 UTC, on or about 7.180 and 3.895 MHz. QSL to Robert Wells, W7CSA, QSL. Robert Wells, 409 Elizabeth St., Gastonia, NC 28054.
- The Southern Illinois University Amateur Radio Club ([SIUARC](#)) will sponsor W9S, August 18-22, 0000-2359 UTC, from Fulton, Illinois, CW on 160 meters and all modes on 80 through 10, with a focus on the lower bands. Satellites and 6 meters are also possible. QSL to Martin A. Schuette, N9EAT, P.O. Box 29, Fulton, IL 61252.
- Ole Virginia Hams Amateur Radio Club ([OVHARC](#)) will sponsor W4E from Lexington, South Carolina, on August 21, 1500-2015 UTC, on or about 3.810, 7.230, and 14.263 MHz and 146.52 MHz FM simplex. QSL to Terry Erlacher, KC4DV, 10855 Felicia Ct., Manassas, VA 20110.

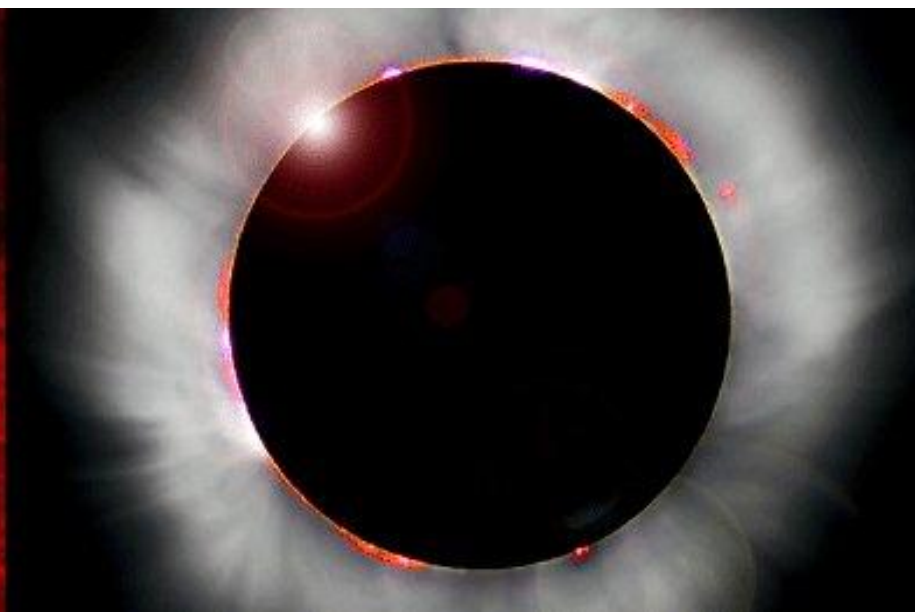


This may not be a comprehensive listing. Search the [ARRL Special Events Calendar](http://www.arrl.org/special-event-stations) (<http://www.arrl.org/special-event-stations>) for total eclipse special event operations.

Solar Eclipse QSO Party

August 21, 2017

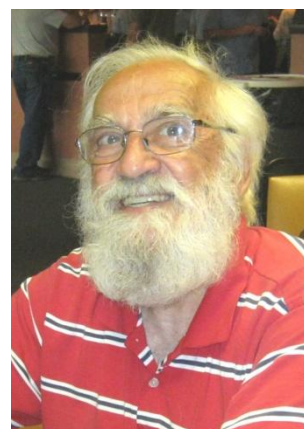
Learn More



Check out: <http://www.arrl.org/files/file/QST/This%20Month%20in%20QST/August2017/Silver.pdf>

Paper Chase

Joe, W8KNO



The most interesting event for August is the Total Eclipse. There are twelve stations publishing that they will commemorate the event. The ARRL will also sponsor the "Solar Eclipse QSO Party." This article is to try and coordinate the stations and frequencies.

W7E - Washington	N7E - Oregon	K7E - Wyoming	W7S	K0E - Nebraska
N0S - Missouri	K9S - Illinois	W9E -	W9S -	N9E - Kentucky
N4S - North Carolina	W4E - South Carolina			

You notice that all the 1x1 call signs end with either an "E" or "S" for Eclipse or Sun. N0S appears the most unique standing for **NO** Sun. Look for the stations at these frequencies.

3.810 W4E	7.195 N4S	14.260 K0E
3.820 N7E	7.200 N7E	14.263 W4E
3.850 N0S	7.225 K9S	14.265 W7S
3.895 N4S	7.230 W4E	14.280 K9S, K0E
3.900 W9E	7.250 N0S	14.300 N0S
3.945 W7S	7.265 W7S	28.350 N7E
7.180 W9E, N4S, N9E	14.235 N4S	146.200 K0E
7.183 K7E	14.240 W9E	146.520 W4E
7.185 N9E	14.245 N7E	147.350 W7S
7.190 N9E	14.256 K7E	443.850 K0E

The Solar Eclipse QSO Party — Are You Ready?

From 1400 – 2200 UTC on August 21, 2017, hams will have the Sun's shadow in their sights.

Ward Silver, NØAX

The objective of the Solar Eclipse QSO Party (SEQP) is to flood the airwaves with contacts, all measured by the automated receiver networks of the Reverse Beacon Network, PSKReporter, and WSPRNet. When those observations are combined with the logs from individual stations, the result will be one of the largest ionospheric experiments ever performed. Here's how hams can have a starring role.

Start by taking the day off on Monday, August 21. The SEQP starts well before the eclipse begins on the western coast of Oregon. Begin making contacts right away to establish what the bands are like before the shadow starts digging a trench through the ionization "up there." As the penumbra starts cutting into the solar disc, operate on lots of bands (multioperator, anyone?) or focus on a favorite. Even if the higher bands aren't too lively, be sure to cast some CQs there, because the network receivers will be looking for signals, and you can get bonus points for being spotted. That's certainly a first!

Be sure you have the latest version of



your logging software and that it can accept the signal report and grid locator. Hopefully, your software will support the SEQP — check before the big day. In a pinch,

you may be able to use software that supports the ARRL VHF+ contests.

Bonus Points

The SEQP features a long list of bonuses similar to Field Day.

- Operate during totality at your location: 100 points
- Operate outdoors: 100 points
- Operate in a public place: 100 points
- Provide detailed station information: 50 points each for antenna information, HFTA terrain profile, ground conductivity, and station ERPd on each band
- Operate a wide-band automated receiver at your station: 50 points
- One point for being spotted in a grid outside your own during each hour, and on each band and mode — CQ SEQP!

How to Participate

The Solar Eclipse QSO Party runs from 1400 – 2200 UTC on August 21. Exchange a signal report and your six-character grid locator on 160 – 6 meters (not on 60, 30, 17, and 12 meters, please). You can work stations again after 10 minutes to make as many "observations" (contacts) as possible. CW, RTTY, and PSK31 are preferred because automated receiving networks will record the contacts, but contacts on any digital mode and phone are fine too. See www.hamsci.org/seqp for scoring information, bonus points, operating guidelines, and complete rules.

What Happens Next

After we finish creating data, be sure to submit your log as described in the SEQP rules at www.hamsci.org/seqp. A group of researchers at Virginia Tech will process the data from each log and from all of the automated receiving networks. This will create the largest set of measurements from any amateur event ever.

The work begins in earnest once the data is in. The research community will go to work to validate their existing propagation models while looking for unexplained behaviors. As Isaac Asimov is reputed to have said, "The most exciting phrase to hear in science, the one that heralds new discoveries, is not 'Eureka' but 'That's funny...'"

Hams have been supporting scientific efforts since the earliest days of radio by doing things like keeping in touch with expeditions and making on-the-air measurements. The coming solar eclipse is the latest opportunity to participate in advancing our understanding of the world in which we live, and make a few contacts, too.

Eclipse Mob

The eclipse won't just affect the MF and HF bands, but the VLF bands, too. The Eclipse Mob group (www.hamsci.org/article/eclipsemob-low-frequency-effort) has a low-cost, easy-to-build receiver and smartphone app, so anyone can participate. No license is required, and observing can take place all year long.

"You'll Put Your Eye Out!"

Sure, it's amazing, but don't look at the Sun directly, or through any kind of magnifying device — whether during an eclipse or not. You can find out how to watch safely at www.skyandtelescope.com/astronomy-news/observing-news/view-the-sun-safely. Solar observing is great at any time — why not try to spot a sunspot?

Learn more!

www.arrl.org/what-is-ham-radio

Solar Eclipse - How Much Will You See?



From VOX.COM

In zip code **44255**, you will see a **partial** solar eclipse.

The eclipse will peak at **2:32:05 pm EDT**, when the moon obscures **80%** of the sun.



1:08 pm 2:32 pm 3:52 pm

A solar eclipse is coming to America. Here's what you'll see where you live.

On Monday August 21, a solar eclipse will cut across the entire United States. And wherever you are, you will be able to see it. Even though the "totality" — the area where the sun is completely blocked out by the moon — is only 70 miles wide, the whole country (even Alaska and Hawaii) will experience a partial eclipse.

This is what you'll see, and the time you'll see it, in your zip code. The picture to the left is for 44255 at just about 2:32 pm.

We recommend punching in a few different ones to see how the eclipse experience will vary across the country. Salem, Oregon (97301), is going to see a total eclipse. Downtown Los Angeles (90012) will see 62 percent of the sun blocked at the peak. In Lake Charles, Louisiana (70601), it'll be 71 percent.

<https://www.vox.com/science-and-health/2017/7/25/16019892/solar-eclipse-2017-interactive-map>

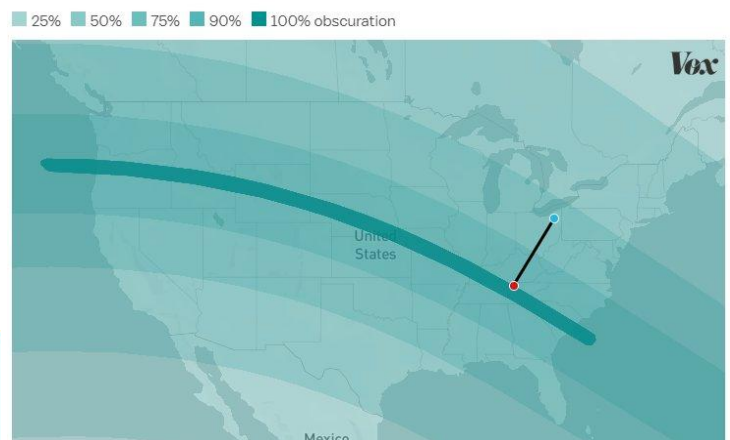
The eclipse animation relies on data provided by The United States Naval Observatory and uses entering and exiting vertex angles along with the maximum obscuration percentage to calculate the trajectory of the moon across the sun. Maximum obscuration percentages in the animation are depicted using the nearest whole percent. The map obscuration data was provided by NASA.

To get the bird's-eye view of all the different shapes the eclipse will make against the sun around the country, check out this short video, also from NASA.

Ernie Wright/NASA



If you want to see the total eclipse, you'll need to travel **396 miles SW**.



Just be careful: Even on eclipse day, it's not safe to stare directly into the sun without special viewing glasses.

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 5th - October 7th - December 2nd
Walk ins always welcome



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.

Revised FCC Form 605 Will Ask Applicants "The Felony Question"



A revised FCC Form 605 -- *Quick-Form Application for Authorization in the Ship, Aircraft, Amateur, Restricted and Commercial Operator, and General Mobile Radio Services* - **going into effect in September** will ask all applicants to indicate if they have been convicted of or pled guilty to a felony. The Communications Act obliges the Commission to ask "the felony question," as it did on the old Form 610 and still does on other applications.

This action will correct its omission on Form 605, which has existed for years. Applicants' responses and explanations will be used to determine eligibility to be a Commission licensee. The FCC told ARRL that it's still deciding whether to issue a public notice on the change.

"The Commission is revising the basic qualifications section of the form to include a question regarding whether an application has been convicted of a felony in any state or federal court," the Office of the FCC Secretary explained in a May filing with the Office of Management and Budget (OMB), which must okay the revision. "Applicants answering YES must provide an explanation regarding the conviction. This item enables the FCC to determine whether an applicant is eligible under sections 210(d) and 308(b) of the Communications Act of 1934, as amended, to hold or have ownership interest in a station license."

The revision also will apply to NCVEC Form 605, the *unofficial* Amateur Radio-specific version of the application that is completed and filed at volunteer examiner coordinator (VEC) examination sessions. VECs will have to start using the revised form on September 7. Responding to VECs' questions, the FCC offered some guidance, with a particular focus on NCVEC Form 605.



**ARRL VEC Manager
Maria Somma, AB1FM.**
[Rick Lindquist, WW1ME, photo]

ARRL VEC Manager and NCVEC Vice-Chair Maria Somma, AB1FM, thanked the FCC for honoring a request to amend the effective date of the change. "At the urging of the NCVEC leadership, the FCC took into consideration the undertaking to change and distribute all affected forms and update software and agreed to push back the execution date by 1 month," she said. **The NCVEC will create a revised NCVEC Form 605 and release it to VE teams before September 7.**

Once the Form 605 update has been implemented, assuming all other information is correct, negative felony question responses will result in a license grant, the FCC said. A YES will place the application in the "pending file for review" category. Applicants answering YES would have to, within 14 days, provide the FCC with a statement explaining the circumstances, and a statement "giving the reasons why the applicant believes that grant of the application would be in the public interest, notwithstanding the actual or alleged misconduct," the revised Form 605 instructions state. The FCC said an applicant's answer to the felony question and explanation will be public via ULS, unless a separate request

is made to the FCC that the applicant's explanation be kept confidential. The FCC will review applications on which the felony question has been answered in the affirmative, and decide whether to grant them or designate them for hearing.

"The applicant must provide sufficient information for the FCC to determine whether there exists any material and substantial question of fact regarding whether the applicant has the character qualifications to be a Commission licensee," the FCC said.

The FCC said the only additional information that VECs will have to collect is the response to the felony question; any explanatory exhibits and confidentiality petitions will go directly to the FCC, and VECs will have no information as to the status of such applications.

FCC 605 Main Form Quick-Form Application for Authorization in the Ship, Aircraft, Amateur, Restricted and Commercial Operator, and General Mobile Radio Services

Approved by OMB
3060 - 0850
See instructions for
public burden estimate

1) Radio Service Code: _____		
Application Purpose (Select only one) ()		
2) NE - New MD - Modification AM - Amendment	RO - Renewal Only RM - Renewal / Modification CA - Cancellation of License	WD - Withdrawal of Application DU - Duplicate License AU - Administrative Update
3) Does this filing request STA (Special Temporary Authorization)? If 'Y', attach the required exhibit as described in the instructions.		() Yes No
4) If this request is for an Amendment or Withdrawal of Application, enter the file number of the pending application currently on file with the FCC.		File Number
5) If this request is for a Modification, Renewal Only, Renewal / Modification, Cancellation of License, Duplicate License, or Administrative Update, enter the call sign (serial number for Commercial Operator) of the existing FCC license. If this is a request for consolidation of DO & DM Operator Licenses, enter serial number of DO. Also, if filing for a ship exemption, you must provide call sign.		Call Sign/Serial #
6) If this request is for a New, Amendment, Renewal Only, or Renewal Modification, enter the requested expiration date of the authorization (this item is optional).		MM DD
7) Does this filing request a Waiver of the Commission's Rules? If 'Y', attach the required showing as described in the instructions.		() Yes No
8) Are attachments (other than associated schedules) being filed with this application?		() Yes No

**NCVEC QUICK-FORM 605 APPLICATION FOR
AMATEUR OPERATOR/PRIMARY STATION LICENSE**

SECTION 1 - TO BE COMPLETED BY APPLICANT			
PRINT LAST NAME	SUFFIX (Jr., Sr.)	FIRST NAME	INITIAL
MAILING ADDRESS (Number and Street or P.O. Box)			SOCIAL SECURITY NUMBER (SSN) or (FRN) FCC FEDERAL REGISTRATION NUMBER
CITY	STATE CODE	ZIP CODE (5 or 9 Numbers)	E-MAIL ADDRESS (OPTIONAL)
DAYTIME TELEPHONE NUMBER (Include Area Code) OPTIONAL		FAX NUMBER (Include Area Code) OPTIONAL	ENTITY NAME (IF CLUB, MILITARY RECREATION, RACES)
Type of Applicant: <input type="checkbox"/> Individual <input type="checkbox"/> Amateur Club <input type="checkbox"/> Military Recreation <input type="checkbox"/> RACES (Modify Only)			CLUB, MILITARY RECREATION, OR RACES CALL SIGN
I HEREBY APPLY FOR (Make an X in the appropriate box(es))			SIGNATURE OF RESPONSIBLE CLUB OFFICIAL (not trustee)
<input type="checkbox"/> EXAMINATION for a new license grant		<input type="checkbox"/> CHANGE my mailing address to above address	
<input type="checkbox"/> EXAMINATION for upgrade of my license class		<input type="checkbox"/> CHANGE my station call sign systematically	
<input type="checkbox"/> CHANGE my name on my license to my new name		Applicant's Initials: _____	
Former Name: _____ (Last name) (Suffix) (First name) (MI)		<input type="checkbox"/> RENEWAL of my license grant.	

The FCC said the felony question must be answered every time -- even if previously answered -- for New, Modification, Renewal/Modification, and Amendment applications. "Assuming that nothing has changed, the attachment to the subsequent applications can simply reference the file number of the application where the complete explanation was given, rather than having to set forth the complete explanation each time," the FCC memo said. "Clubs are not exempt from the felony question. The question applies to the club as an entity and to the trustee, but not to any other individual officers."

The Problem with Facebook

Larry, W2LJ



In my most humble opinion, the Internet and social media have been a boon to Amateur Radio. Never before has learning and Elmering become so easy and widespread. There is sooooo much good information out there on antennas, equipment, operating procedures and practices it almost makes me jealous that we didn't have this back when we were Novices in the "dinosaur days".



But there's a down side, too. Just as there is a lot of good information out there, there's also stuff that makes me go like this when I read it.

And this happens particularly when it comes to the topic of learning Morse Code. I realize that when it comes to learning, that people are like snowflakes - no two are alike. But I know bad advice when I see it, and there's plenty of it out there.

I think that for the vast majority of people, using gimmicks or visual associations for learning Morse Code characters is a very, very, very bad idea. I know that the Morse Code is a huge obstacle for some people. Back when I was a teenager of 16 years, I had such tremendous problems learning Morse, that I gave up on it myself for several years. If I had the Internet back then, I probably would have followed some bad advice that would have been offered to make learning Morse Code "easier". Looking back on it, that was exactly my problem, even without having the Internet. A well meaning person gave me a Morse Code chart - all the letters of the alphabet, and the numbers printed out, alongside their Morse equivalents. It became a crutch. My brain just couldn't make the audio to visual to brain connection quickly enough; and I gave up. It was only about 5 years (5 years! 5 wasted years!) later that an instructor gave me the ARRL Morse Code cassette set with the admonition to **LISTEN**, that I was able to learn the Code successfully.

In the end, using visual associations such as charts or tables, counting dits and dahs, or any kind of mental associations (D = Dog did it) or other quickie learning gimmick actually slows you down in the long run. Sure, it may have helped one to get to the minimum 5 WPM level quickly, but after that, these methods hang around your neck like the proverbial albatross. Because once you get to the 10 WPM level, you will reach a plateau - and until you unlearn those bad habits, you won't advance any further. Maybe the best analogy is that the Morse Code characters have to become as automatic to you as hitting the brake pedal on your car when you see the brake lights on the car in front of you come on. ***You don't think about it, you just do it!***

As I eventually learned, the best method to learning the Morse Code is by ***listening***. Not looking ***listening***. I think the best method is to combine both the Koch and Farnsworth methods. The Farnsworth method would have the student listen to Morse Code characters sent at a speed of about 13 WPM, but spaced out at a speed of about 5 - 8 WPM. Using the Koch method in combination with this would be to introduce the similar characters in bunches, at the same time, i.e., first learn, e, i, s, h, 5 first and get comfortable with those before moving on.

But above all, it is important to imprint the sounds in your brain. Anything which can come in between the ear and brain is going to make things much harder once you've reached the point where you've learned the characters and you're training to increase your speed.

In another post, I'll go into some of the resources available for learning Morse. I haven't looked into these in a while, and I'm certain some good stuff has become available since I last looked.

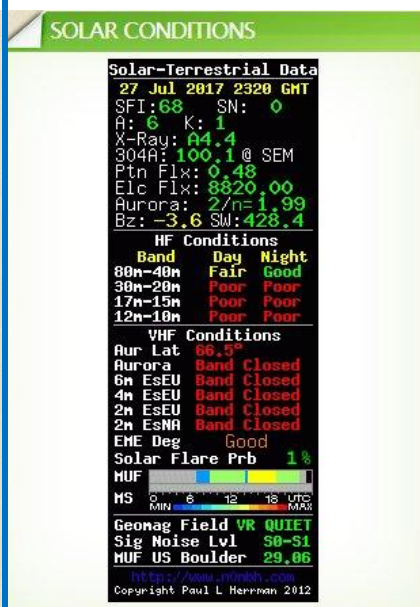
Larry, W2LJ has a blog that you may want to check out. He updates it almost every day - check it out at: <http://w2lj.blogspot.com/> QRP - When you care to send the very least!

On the PCARS Web Site

John, KD8MQ



Hi everyone, I wanted to point out a few things that are happening on the web. We try to make the PCARS website (portcars.org) as informative as possible. Something is usually always happening there.



For instance, did you know that we post the latest solar conditions? On most pages on the site, the Solar Conditions (courtesy of Paul, N0NBH) are posted on the right side just a few inches down from the top. The information is always up to date, unless, you happen to be using the wrong browser. That's right; we learned this month that Chrome & Safari do not refresh images often. This means that the propagation info you see might be way out of date. There are ways to force them to update, but I've found that the best way to view this widget is by using a different browser. Edge, or Firefox are my choices, but I'm not recommending any particular browser.

You know all those QST E-mails you receive each week? Did you know that they get automatically tweeted on the PCARS Twitter Feed? They also are posted on the club website.

If you are looking for certain e-mail from the club, the easiest way to find it is to go to the home page (www.portcars.org). Still can't find what you're looking for? There's a search box at the top of the page to assist you.

Next, the "Ohio State Parks On The Air" (OSPOTA) contest has become not just a fun way to spend a Saturday in September, but it's become a model for several other contests and events around the country. You can find out more by looking at the OSPOTA website at www.ospota.org. By the Way, this is the 10th anniversary of OSPOTA.



Lastly, we've found a really cool photo gallery plug-in for the website. Check out the pictures from Field Day, and I bet you'll agree. That's right, they are **all** posted there. Have a look.

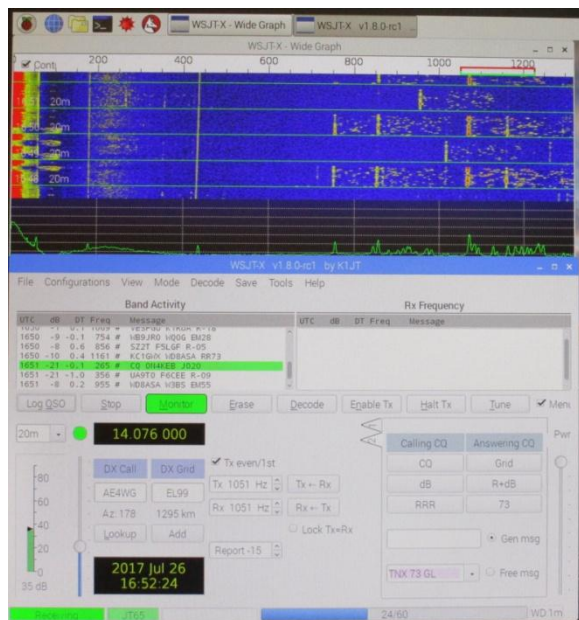
With that, I'll say 73, and hope to see you at the next meeting.

Tech Note - Digital on the Cheap

Jim, AC8NT

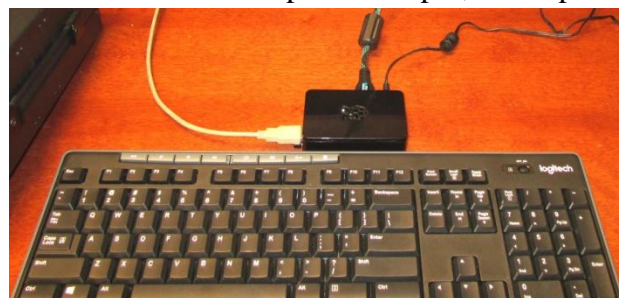


This is a quick overview of the process for getting setup for JT65. I will be demonstrating this setup and discussing in detail this entire project at the August monthly PCARS meeting.



More and more hams are getting involved with digital modes including PSK31, RTTY, JT9, JT65 and others. For some the project seems a difficult computer project or simply too expensive. To address these two issues, I developed a project to get most of the digital modes using inexpensive items and a little DIY. This project assumes you only have a rig and a small wallet. This note covers the steps necessary to use WSJT-X for JT65. Next month I will cover FLDIGI.

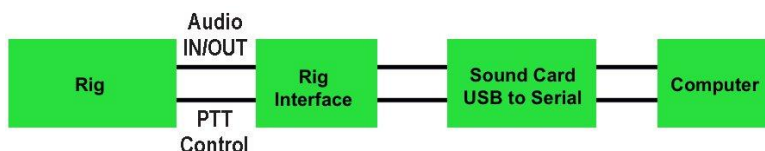
There are four subsystems. They are the rig, the rig interface, the computer interfaces and a computer. The rig can be any rig that supports SSB and has access to the speaker output, mic input and a PTT circuit. The rig interface consists of a purchased kit



and some cables. The computer interface is made up of a sound card interface and a USB to serial port cable. The computer is a Raspberry Pi 3. Remember the cost can be less depending on what you have on hand. The purchased items I used are listed below:

Item	Purchased Location	Cost
KF5INZ Interface Kit	https://tinyurl.com/y7rmqngs	\$10
Sound Card Interface	https://tinyurl.com/yd2zj9mc	\$8
USB to Serial Cable	https://tinyurl.com/y9coko33	\$9
Raspberry Pi 3	https://tinyurl.com/y8ltn554	\$70
Keyboard and Mouse	https://tinyurl.com/h62cnqd	\$30
HDMI Monitor	You can use any monitor. Prices vary, but it is easy to find one for less than \$100 on Amazon. You can even use a HDMI equipped TF. The one I purchased is listed here. https://tinyurl.com/y8b2g5ot	\$90
Misc. Stuff	Connectors, wire, etc	\$20

A diagram of the system is shown:

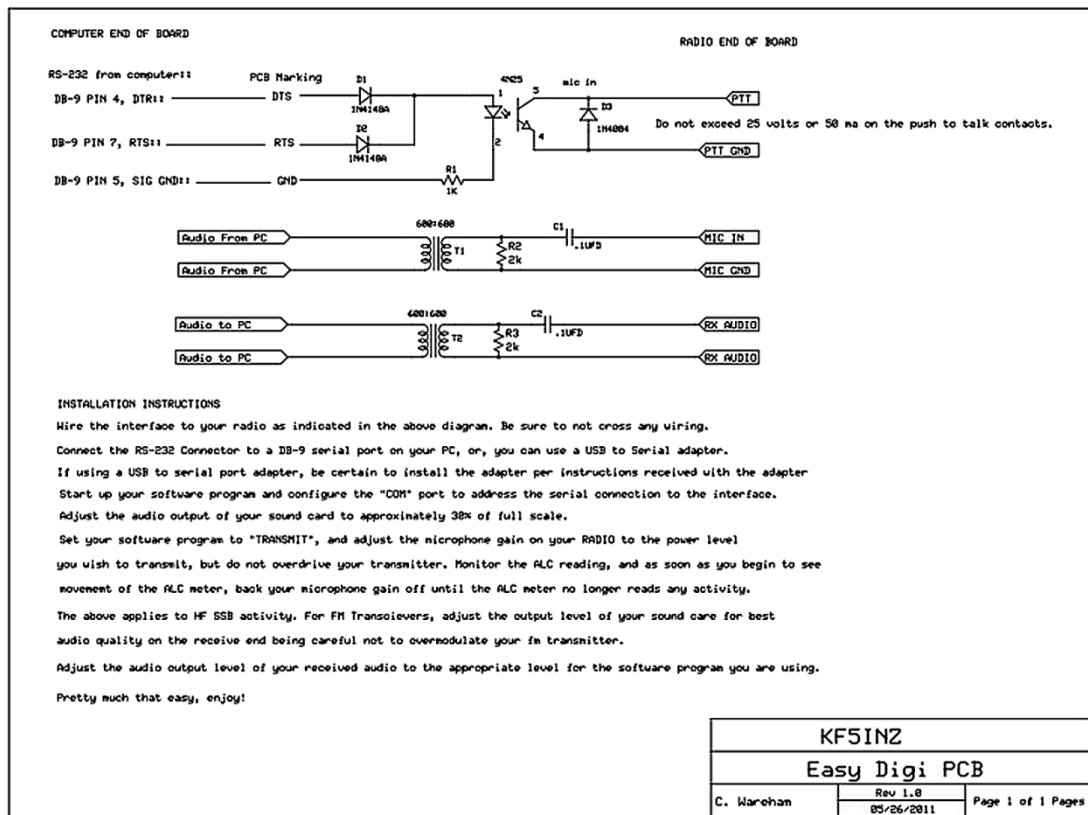


The rig interface consists of two key elements. First is transformer isolation of the sound signals between the rig and the computer. This eliminates ground loops and possible sources of high voltage. Transformer isolation is especially necessary if you are using a “Steam” rig. Otherwise known as a tube rig. The second

element is the isolation circuit for the PTT control. This uses an optoisolator to take the serial port DTR or RTS signal from the USB to Serial converter and use it to trigger your rigs PTT circuit. All the components, less wire and connectors are supplied as part of the KF5INZ kit. **The circuit diagram is shown below.**

You will note on the left of the diagram are three connections to the USB to Serial cable. DB-9 PIN 4, DTR:: DB-9 PIN 7, RTS:: DB-9 PIN 5, SIG GND:: You will need female DB9 connector to mate to this cable. The USB end goes to one of the USB connectors on the computer the DB9 end connects to the PTT circuit above using pins 4, 7 and 5.

Your rigs audio out and mic in go to the interface boards transformers. The circuit actually provides a nice filtering as a plus. The outputs of the transformers are connected to your sound card interface. Again cables vary depending on your rig and computer. The USB to Serial and Sound Card devices are shown below. You will need two serial ports on your computer for these interfaces. The two interfaces are shown below.



I have outlined the rest of the process below. This includes setting up the Pi and access to an introduction to JT65.

Raspberry Pi Digital Mode System

- 1 Read Quick Start Guide and other documentation
 - a. <https://www.raspberrypi.org/help/quick-start-guide/2/>
- 2 Buy Pi
 - a. CanaKit
 - b. Components
- 3 Assemble Pi system
- 4 Get Latest Distribution of NOOBS (New Out Of the Box Software)
 - a. <https://www.raspberrypi.org/downloads/noobs/>
 - b. Windows/Mac download Zip version

- c. Expand Zip file into a directory
- 5 Get SD Card (8GB will work, 16 GB better, Class 4 minimum, Class 10 better)
 - a. Make sure you get a device to connect SD to computer
- 6 Format SD Card
 - a. Format using FAT32
 - b. For Windows
 - i. Use imbedded tools
 - ii. <https://www.lifewire.com/format-sd-card-using-windows-4128719>
 - c. For Mac
 - i. Download and install SD
 - ii. https://www.sdcard.org/downloads/formatter_4/eula_mac/
 - iii. Follow Instructions at above site
- 7 Copy all files from directory in step 2 above to SD Card
- 8 First Boot
 - a. Place SD card into Pi
 - b. Make sure keyboard, mouse and monitor is connected
 - c. Make sure sound interface and PTT interface are installed
 - d. Apply power
 - e. Follow instructions on screen
 - f. Play a little
- 9 It might be a good idea to learn an editor
 - a. Vi is good, print cheat sheet from below
 - i. <http://soliton.ae.gatech.edu/classes/ae6382/documents/vi/ed03.pdf>
 - b. Other options are EMACS and Nano
- 10 Download WSJT-X
 - a. Using Pi download KI7MT version of WSJT-X and install
 - b. <http://wsprnet.org/drupal/node/5567>
 - c. Follow Debian instructions
 - i. Replace nano with vi when editing sources.list
 - ii. CAREFULLY FOLLOW ALL INSTRUCTIONS!!!!
 - iii. The program will appear in the Sounds tab
- 11 Configure WSJT-X
 - a. Watch
 - i. <https://www.youtube.com/watch?v=NzXkIvoqvAY>
 - b. Make notes from discussions

Cloning SD Card

- 12 Windows Clone
 - a. Download and install Win32DiskImager
 - b. Cloning Instructions are at site below
 - i. <https://tinyurl.com/ycbrdnw9>
 - ii. Good idea is to place image file on desktop
- 13 Mac Clone
 - a. Cloning instructions are at site below
 - i. <https://tinyurl.com/jyrhvxe>

I will be happy to answer any questions about this process, simply contact me by email at: AC8NT@portcars.org . Remember, this will be the topic of our August monthly meeting.

When we start a project we often forget the hams whose work made the project possible. For this project we have some great hams that made great contributions. We must start with Joe Taylor K1JT. Without his work we would not have a lot of our digital modes. His work resulted in the entire series of JT modes including JT65. By the way, he is a real gentleman. We can thank Greg Beam KI7MT for making a distribution of the software available that works great and is relatively easy to install on the Raspberry Pi. Chris Wareham KF5INZ created a small interface board allowing a robust connection between computer and rig. And last but not least Tom Kocourek N4FWD for his great article in the July 2017 QST.

Short Note from the ACC to PCARS

Tom, WB8LCD
ARRL Ohio
Affiliated Club Coordinator



I hope you all took the time to read the report I had in the Section Journal last month. I talked about the kind of MEMBERS a successful club needs to have to make it, and keep it, successful. It's an issue that all clubs have, PCARS being no exception. (OK, I really do believe that PCARS is an exception, but this is important stuff that needs to be said).

Coming up FAST: The Ohio Section Convention in Columbus on Saturday August 5, 2017. Make sure you set your GPS for the NEW location this year! This is a Convention / Hamfest combo, so there will be something for everyone there. At 9:00 AM there will be a presentation on "Clubs" given by me, along with Frank Sole, WB8YHD. I hope you'll get there in time for that. And don't forget that this is where the Newsletters are judged and awarded their ranking in the OH Section. Let's be there in force to support Parky as he puts the Radiogram up against all the other newsletters in the section! Good Luck Parky!

Unfortunately, I will not be able to attend the August PCARS meeting as I'll be headed to California to get a house cleared out. I think this might be the second meeting I'll have missed since the very beginning. It would not have been my first choice to plan it this way, but too many other circumstances made it go this way. I will truly miss you all. PCARS meetings are pretty much the one thing I look forward to every month. I want to thank the officers, the presenters, the attending club members and guests all for making it an exciting part of my life!



Happy Birthday PCARS Members

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

K8VOX	Julie
WD8RAY	Ray
KB8TUY	Mike
N6TL	Randy
KB8VJL	AI

KD8CGH	Bob
KE8ELR	Andrew
KD8ZSH	Randy
W8JFQ	Bob



From Little Rock

Daryl, WX1DER

When reading the past PCARS newsletters, one ham made a comment about a Raspberry Pi 3. Personally, I don't know much about a Raspberry Pi... but a Pineapple Upside Down Cake sounds good right now....



Thought you'd like to see the cure critter two of our VE Team members here in Benton, Little Rock found in a thrift store.

One look at it and they knew we had to have it as our VE Team mascot. We'll have it in a prominent place during each VE Test Session to remind everyone to be quiet while people are taking tests. We haven't come up with a name for it yet. Looks pretty good to me!

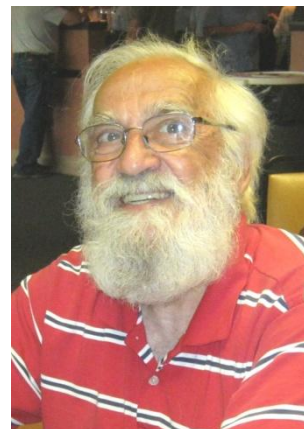


Hamfest Report - 20/9

Joe, W8KNO

The Hamfest was July, 9th at the Austintown Senior Center. This year the activities were reversed. The flea market and activities were relocated to the street end of the building and parking lot. The total number of vendors was the same or a couple more than last year.

The attendees were treated to a special presentation by the Newton Falls Technology and Multimedia Club, the first amateur radio club at Newton Falls Schools. The formation and the "Tigers On The Air" special event were discussed.



Ham Researchers and the Solar Eclipse

Dan, KB6NU



Ham researcher to investigate effects of solar eclipse

August 21 is a once-in-a-lifetime opportunity for many in the U.S. to see a total eclipse. It's also an opportunity for a team of Virginia Tech researchers to study the effects of the eclipse on changes in the upper atmosphere that have an impact on HF propagation and the global positioning system (GPS). Backed by research funding from NASA and the National Science Foundation, the team is headed by Dr. Greg Earle, W4GDE.

The Virginia Tech team plans to gather data from a variety of sources, including radar systems, transceivers, satellites, ham radio, and GPS receivers, in order to analyze the effects of the solar eclipse on the conductive region of the atmosphere.

"Whether military radar, or consumer GPS signals, the eclipse is going to have effects on the medium that we would like to understand better, so that we can either mitigate them or use them to our advantage," said Earle.

Here are a couple of links to news stories on the research team and the experiments:

* Virginia Tech team prepares for special project during total solar eclipse <http://wset.com/news/local/virginia-tech-team-prepares-for-special-project-during-total-solar-eclipse>

* Virginia Tech expert to study August solar eclipse effects on radar, ham radio, GPS
<http://wtkr.com/2017/07/17/virginia-tech-expert-to-study-august-solar-eclipse-effects-on-radar-ham-radio-gps/>

Let's party!

In conjunction with the eclipse, the HamSCI and the ARRL are sponsoring the Solar Eclipse QSO Party (<http://www.hamsci.org/seqp>). (SEQP). According to an article in the August 2017 issue of QST, the goal of the SEQP is to "flood the airwaves with contacts, all measured by the automated receiver networks of the Reverse Beacon Network, PSKReporter, and WSPRNet." Once all the logs are in, researchers will analyze the data to see what effect the eclipse had on radio propagation.

A YouTube video of a presentation at Dayton on the SEQP can be found at <https://youtu.be/3EviY2Cuxpo?list=PLihPo8xWmo8-xDYAtpP9BWX9QnhUoT7k4>

The SEQP will run from 1400Z - 2200Z on Monday, August 21. This is well before the eclipse is due to begin on the West Coast. The reason it starts before the eclipse is to establish a baseline for radio propagation conditions.

SEQP organizers urge you to make as many contacts as you can on as many bands as you can operate. Like nearly every contest, contacts are not allowed on 60m, 30m, 17m, and 12m. CW, RTTY, and PSK31 are the preferred modes because automated receivers can record those contacts, but phone and other digital modes count, too.

An interesting twist to this contest is that, like Field Day, you can earn a number of bonus points, including:

- * Operating outdoors (100 points)

- * Operating in a public place (100 points)
- * Operating a wide-band automated receiver at your station (100 points)

Hams have had a long history of supporting scientific research. They provided communications for some of the early polar explorations and listened for Sputnik as it flew overhead. The Solar Eclipse QSO Party continues this tradition, and it's going to be a lot of fun as well. Visit the HamSCI website (<http://www.hamsci.org/seqp>) for more information.

Dan Romanchik, KB6NU, is the author of *The CW Geek's Guide to Having Fun with Morse Code* and the No Nonsense series of amateur radio study guides. When he's not head copying on 30m, he blogs about amateur radio at www.KB6NU.Com

CFARC Tailgate Hamfest

Please join us for the 9th annual Cuyahoga Falls Amateur Radio Club late summer Tailgate Hamfest on **Sunday, August 27**. In contrast to our Saturday Spring Hamfest, this is an all out door event and is held rain or shine at the Robert Pinn Armory on Allen Road in Stow.

Doors open for vendors at 7 am and shoppers at 8 am. Your only cost is parking, and that's just \$5 per vehicle (not per person) whether buying or selling. Bring some friends and split the cost, each person in the vehicle will get a ticket that enters them into drawings throughout the morning for one of at least 6 prizes.



For sellers, your \$5 gets you two adjacent spaces in the vending area, one for your vehicle and one to sell out of. Bring your own tables and chairs and maybe a sunshade, remember, the Armory parking lot is asphalt and it gets warm on a sunny day. Also keep in mind that this is a Government facility, so the display or sale of weapons or objectionable material is prohibited. If you need more than one sales space, let the folks know at the entrance and you can buy more spaces at \$5 for two.

Did I say prizes? Courtesy of The ARRL, DX Engineering, and The RF Adaptor Guy we have six merchandise certificates whose total value exceeds \$200. Please support these prize donors with your business.

We also have DX Engineering catalogs with \$20 discount coupons which will be distributed throughout the morning.

Random drawings will be held every half hour, starting at 9 am, to award prizes so make sure you put your ticket stub in the prize drum when you arrive. Prizes must be claimed by the next drawing. Unclaimed prizes will be redrawn at the next half hour drawing, and any remaining prizes will be awarded by continuous drawing starting at 11:30 am.

Whether you have a truck full of gear to sell, just need a part, or just want to see what shows up, plan to attend the Cuyahoga Falls Amateur Radio Club Tailgate Hamfest, on Sunday August 27 at the Robert Pinn Armory in Stow. A flier with directions and more information is available at: <http://cfarc.org/tailgate2017.php>

This information was sent to PCARS from Frank, W8Ezt

CQ Contest Rules Change



CQ Announces Rule Changes for 2017 CQ World Wide SSB and CW Events

CQ has announced updates to its rules for the CQ World Wide SSB and CW contests, effective this fall, and said complete rules will be published soon. The changes clarify the definition of multioperator, single transmitter (MS); spell out club definitions and residency requirements; restrict ITU Region 1 stations transmitting frequencies on 40 and 160 meters; address audio recording requirements, and impose greater penalties for so-called “rubber clocking.”

1. Multi-Single Definition

The word “transmitter” has been revised to “station/signal,” with reference made to the FAQ section. CQ said this change “further clarifies the definition of MS, as already provided in the FAQs.

2. Club Definitions

US Clubs: Participation is limited to club members residing within a 250-mile radius of the club area’s center.

DX Clubs: Participation is limited to club members residing either within the DXCC entity where the club is located or within a 400-kilometer radius of the club area’s center.

The word “reside” shall be defined as: To dwell permanently or continuously or to occupy a place as a person’s fixed, permanent, and principal home for legal purposes.

3. General Rules for All Entrants

Stations in ITU Region 1 may not transmit above 7,200 kHz on 40 meters during the phone contest weekend, and they may not transmit below 1,810 kHz during contest weekends.

4. Audio Recordings

The updated rule expands the scope from “top 3” to “top 5” and expands the time frame for such requests from 90 days to 120 days. The Classic overlay is now specifically included in the “top 5” definition. The updated rules specify that recordings must be continuous, and that “recordings of individual QSOs” alone in not acceptable.

The rules also elaborate and expand upon the category options to which a log can be reclassified, if no recording is provided, and add a new category, Administrative Check Log.

CQ said the top 3 was expanded to top 5 because, “in some cases, a top 3 entrant could be ‘knocked out’ after review. This reasoning also was behind the change to 120 days to request a recording. CQ also said that specifically including the Classic overlay under the recording requirement “closes a perceived gap in the rules as they were written.”

CQ said the Contest Committee will not request a recording simply because an entrant is in the top 5. “The committee will request a recording when something suspicious or curious in the log is identified by the committee,” CQ said, adding that operators not stretching or breaking the rules are unlikely to be asked to provide a recording.

5. Log Checking

The penalty for a call sign copying error (busted/bad call or NIL) has been returned from 2:1 to 3:1. The penalty for altering a contact time for multiple operator, two transmitter (M2) and multioperator, single transmitter (MS) entries has been bumped up from removing the contact to 10× for QSO points and multipliers.

CQ said the Contest Committee leadership felt that the 3:1 penalty provided more incentive to copy call signs correctly. MS and M2 entrants have strict time requirements, and it is possible to alter the time of an individual contact is logged, so that the contact no longer results in a band-change violation. “In the past, some entrants would have a ‘small number’ of such events, also known as ‘rubber-clocking,’” CQ said. CQ said the 10× penalty for rubber clocking provides “a strong incentive” for entrants not to falsify logs.

“The idea is to make the penalty for altering logged times so intolerable that entrants will not be tempted to try,” CQ said. Excessive rubber-clocking could result in disqualification of the entry and for all operators at that station. CQ noted that band-change violations that do not involve altering actual contact times would not be affected by the new 10× rule.

The SSB weekend is October 29-30. The CW weekend is November 26-27.

ARRL Contest Rules Change



ARRL Contest Rule Changes, Clarifications Reflect “Best Practices” in Radiosport

Just ahead of the 2017-2018 contest season, ARRL has announced rule changes and clarifications to League-sponsored contests. These include an improved process for submitting logs and reporting scores. Unless otherwise noted, these changes become effective starting with the September VHF Contest.

“These changes reflect current ‘best practices’ in the contest community and help us improve the quality of the competition and reporting of results,” ARRL Contest Branch Manager Bart Jahnke, W9JJ, said. “For example, getting the log data into log checking more quickly will allow us to post preliminary results online for nearly all contests.”

Log Submission

Log submission in the “General Rules for All Contests” has been simplified and revised. Individual contest rules will no longer include a log-submission section (with exceptions noted in the contest’s overview section).

Here are the most important points.

- Online log submission: Except for the EME and 10 GHz and Up contests, electronic logs should be submitted through the web app. E-mail log-handling “robots” will continue to operate until they can no longer

properly handle the logs without revision. They will then be deactivated and submitters redirected to the web app.

- Log submission deadline: Effective immediately, except for the 222 MHz and Up Distance Contest (2 weeks) and the EME and 10 GHz and Up Contests (30 days), the log submission deadline for ARRL HF contests will be **5 days** from the end of the contest (this includes the IARU HF Championship). For ARRL VHF contests, the log submission deadline will be 10 days from the end of the contest. To accommodate any issues, an extension may be requested, explaining the necessity to the ARRL Contest Branch Manager any time before the submission deadline.
- Logged frequency: HF contest entries competing for awards as category leaders are *encouraged* to specify frequency with a 1-kHz resolution. This is standard practice for other top contests, and it assists with log checking.
- Public logs: The log used for log checking will be posted online for public inspection.
- Paper logs: These will continue to be accepted, but are only eligible for awards at the discretion of the Contest Branch Manager.
- Log withdrawal: Logs may be withdrawn up to 10 days following the log submission deadline.

Club Competition

The new toolset for clubs to comply with the Club Competition rules (Section 8 of the General Rules for All ARRL Contests) has been very well received.

Clubs must submit up-to-date eligibility lists before the contest to be included in the results. Only scores from members in a valid eligibility list will be counted toward the club score total. Members must reside and operate in the specified club territory (club circle or section) to contribute scores to a club total. Calculation of club scores will now be based exclusively on this information. No further waivers of eligibility rules will be granted. For more information and tools for submitting your club's eligibility list, visit the Contest Club Competition — Club Eligibility Changes page.

Log-Checking Penalties

Penalties for “zero-point” contacts, such as US-to-US contacts in ARRL DX, will not be assessed during log checking. Operators may continue to log and submit zero-point contacts. Submitting these contacts helps to ensure that full credit is given and that log checking is as complete as possible.

Remote Entries

Acting as the control operator for a remotely controlled station in the US or its possessions requires that the operator hold a US license and have sufficient privileges for all operation. CEPT/IARP reciprocal operating authority does not include remote control of a US station. If another operator acts as the on-site control operator, the entry must be in a multi-operator category. The location for the entry will be the location of the station, regardless of where the operator is during the contest.

Operating Rules

- Multiple in-band CQing: Recognizing that amateur bands are generally full during contests, maintaining two or more frequencies to solicit contacts (i.e., “run”) on the same band and mode is prohibited. (The IARU HF Championship and the ARRL 10 Meter Contest prohibit this practice regardless of mode.)
- Call sign and ARRL November Sweepstakes exchange: The station's call sign must be sent as part of the exchange, i.e. “W1AW, number 123, Alpha, W9JJ, 79, Connecticut.”
- US operators in Canada: The reciprocal operating treaty between the US and Canada requires that the call sign be sent with the Canadian prefix following the call sign, i.e. “W9JJ/VE1,” not “VE1/W9JJ.”
- Single Operator, FM Only: Cabrillo QSO lines must specify FM as the mode for all FM contacts.

For more information, contact the Contest Branch Manager.

S.1534 - Your Help Is Needed - NOW

ARRL President Issues Call for Members to Reach Out to their Senators to Support S. 1534

ARRL President Rick Roderick, K5UR, is calling on League members to urge their US Senators to support the Amateur Radio Parity Act of 2017, S. 1534. ARRL has opened a RallyCongress page to simplify the task.

<https://arrl.rallycongress.net/ctas/urge-us-senate-to-support-amateur-radio-parity-act>

"[W]e are at a crossroad in our efforts to obtain passage of The Amateur Radio Parity Act," Roderick said. He said the campaign to secure passage of the bill scored a major victory earlier this year when H.R. 555 passed unanimously in the US House of Representatives. Obtaining passage of the companion Senate bill, S. 1534, is the final legislative hurdle.

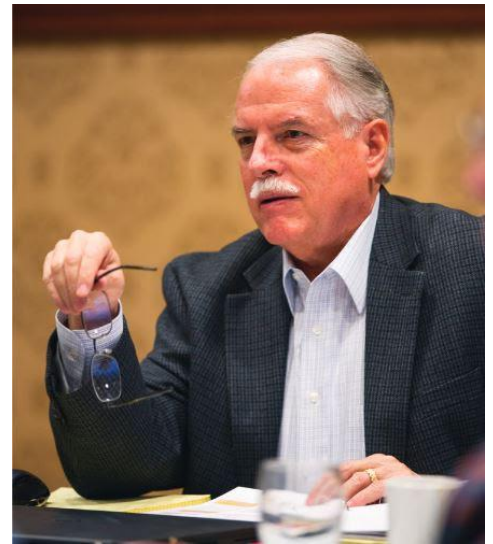
"Now is the time for all hams to get involved in the process!" Roderick said. "Many of you already live in deed-restricted communities, and that number grows daily."

He urged radio amateurs now restricted by a homeowners association from installing effective outdoor antennas to visit the RallyCongress site and e-mail their two US senators. He also encouraged those not currently affected by deed covenants, conditions, and restrictions (CC&Rs) to support their fellow radio amateurs by doing the same.

ARRL President Rick Roderick, K5UR.

"If you want to help create an opportunity -- not available before now -- for Amateurs who live in deed-restricted communities to install effective outdoor antennas on property that you own or lease, send these e-mails today!" Roderick said. "We need you to reach out to your senators today. Right away."

S. 1534 was introduced in the US Senate on July 12, marking another step forward for this landmark legislation. Senators Roger Wicker (R-MS) and Richard Blumenthal (D-CT) are the Senate sponsors. The measure will, for the first time, guarantee all radio amateurs living in deed-restricted communities governed by a homeowners association (HOA) or subject to any private land-use regulations, the right to erect and maintain effective outdoor antennas at their homes, while protecting the aesthetic concerns of HOAs.



<http://www.arrl.org/amateur-radio-parity-act>

Charlie the Tuner's HF High-Lites

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



The Dog Days of Summer will be upon us soon so I hope that you have been working to complete any outside radio projects like getting that dipole up or doing your yearly tower inspection. That one hits home but I won't bore you with the details here. Let's just say that you should check the bolts holding your rotor and or thrust bearing to their respective plates. You could have a disaster on your hands if you are not diligent about maintenance.

I continue to thank the following DX news sources: the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn Packet cluster 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 as always, this report "could" contain "Pirate/SLIM" operations or more likely a "**BUSTED CALLSIGN**". As always, you never know, so..... - "**Work First Worry Later**".

3DA, SWAZILAND (EME Op). Ops Vincent/3DA0VV, Chris/PA2CHR, Lins/ PA3CMC, Andrew/ZS6AVH, John/ZS6JON and ZS6EME will be active as 3DA0MB from Swaziland October 3-18th. Activity will be on EME using the 2m, 70cm and 23cm bands. Modes will be JT65 and CW. QSL via PA3CMC.

4L, GEORGIA. Mamuka Kordzakhia, 4L2M, President of the National Association Radio Amateurs of Georgia (NARG), reports: "Abkhazia is a Georgian territory occupied by Russia. From this territory Russian radio amateurs are using Russian prefixes. By Georgian rules all these stations are without permits and they are pirate stations. STOP Russian call signs from the Georgia territory!!! We are very opposite to the uses of Russian call signs from Georgian territory." PLEASE NOTE: The Georgian Republic prefix of 4L has been in effect since August 1, 1994. Abkhazia is not part of Russia, and therefore cannot count as Russia for DXCC.

4L, GEORGIA. Ops Armen/4L6DL, Sergo/4L6QC, Antoine, F5RAB, Luc, F5RAV and Alexander, UR5EAW will be active as 4L0GF from Zeda Tkhlilnari, Georgia, Aug 3-13. This is a Georgian, French and Ukrainian DXpedition by the BSCC (Black Sea Contest Club) members. Activity will be on CW, SSB and RTTY on various HF bands. QSL via F5RAV, direct, eQSL or LoTW. The log will also be uploaded to ClubLog.

5W, SAMOA. Roly, ZL1BQD, will once again be active as 5W0RR from Apia until August 15th. Activity will be limited depending on his workload. Activity will be on 80-10 meters using mostly JT65 (possibly FT8) with some CW. He uses a KX3 with 10 watts. QSL via his home call sign.

6V, SENEGAL. Franz, DC4CQ, will be active as 6V/DC4CQ from Senegal until August 11th. He and his wife are doctors working in a hospital there. Activity will be limited to his spare time on 40-15 meters using SSB. QSL via his home call sign.

7P, LESOTHO. Ops Quintus/ZS2KU and Vaughan/ZS2VR will be active as 7P8QM and 7P8VRR from the Sani Pass region between August 18-21st. Activity will be on 40/20/15 meters. QSL via their home call signs

BALKANS TOUR. Costa, IZ7GXB, will be traveling between the Balkans from August 21st and September 3rd. He has announced the following schedule:

August 21-25th -- From Ohrid, Macedonia as Z38/IZ7GXB

August 25-29th -- From Durres, Albania as ZA/IZ7GXB

August 29th-September 3rd -- From Ulcinj, Montenegro, as 4O7GXB

Activity will be focused on 6m (50.150 SSB), but also HF bands (160-6m) using mainly SSB, some CW and RTTY. Equipment will be a Kenwood TS2000x with a 500w amp into a Vertical Spiderbeam, Multi-Dipole 1/2 wave, Windom - Long Wire - End Fed and a 3 element beam (6m). QSL via his home call sign direct, NO Bureau or LoTW (after his operation). For more details and updates, see: <https://balkanstour-iz7gxb.jimdo.com>

CN, MOROCCO. Operators Tev/TA1HZ and Golkem/TA7AZC will be active from here between September 6-13th. Call sign(s) have not been issued yet. Activity will be holiday style, and they will participate in the WAE DX SSB Contest (September 9-10th). QSL via LZ3HI (QSL Mgr) or LoTW.

DXCC'S MOST WANTED (ClubLog). The "DXCC Most Wanted" entities list has been updated on ClubLog as of July 1st. The top 10 entities are:

- | | |
|------------------------------|---------------------------|
| 1. P5 DPRK (North Korea) | 6. CE0X San Felix Islands |
| 2. 3Y/B Bouvet Island | 7. BV9P Pratas Island |
| 3. FT5/W Crozet Island | 8. KH3 Johnston Island |
| 4. KH1 Baker Howland Islands | 9. VK0M Macquarie Island |
| 5. BS7H Scarborough Reef | 10. KH7K Kure Island |

The complete "DXCC Most Wanted" list is available at: <https://secure.clublog.org/mostwanted.php>

A2, BOTSWANA. Look for a Russian team to be active from Kasane (the northern part of Botswana) between September 15-25th. Operators mentioned are Yuri/RM0F (A25BI), Pavel/R2AD (A25SP) and YL Elena/RC5A (A25BE). Activity will be on 160-6 meters using CW and SSB. QSL via ClubLog's OQRS or via their home call signs, direct and by the Bureau. Call signs A25BI and A25BE will both use LoTW.

A3, TONGA. Masa, JA0RQV, will once again be active from Tonga. This time he will activate Niuatoputapu Is (OC-191) at the northern end of Tongan territory and will be signing as A35JP/P between Aug 17-22. Ops on 80-6 meters using CW and SSB. His equipment is an IC-7000 (w/100W) into a vertical antenna. Activity will be limited and much is depending on the availability of electric power since there is no commercial electric power at all. He must find a generator or car battery. QSL via his home callsign, by the Bureau, direct (SASE w/1 IRC) or LoTW. For more details and updates, visit his Blog page at: <http://blog.goo.ne.jp/rqv>

CP, BOLIVIA. Antonio, EA5RM, will be working as a NGO volunteer in Bolivia from June 28 to Aug 14, doing maintenance to the emergency radio network that both Solidaridad Medica and the Radioamateur Without Frontiers NGO's have on duty in the Bolivian Amazon jungle. Look for Antonio on the air as CP1XRM during his spare time. Activity will be on SSB and the Digital modes. QSL direct via his home call sign and LoTW.

E5, SOUTH COOK ISLANDS. Alex, F4GHS, will be active as E51GHS from two of the South Cook Islands during August. His schedule is as follows:

August 7-16 -- from Aitutaki Island (OC-083) August 16-25th -- from Rarotonga Island (OC-013)

Activity is holiday style on various HF bands using a K3 into a home-made vertical (20m). QSL via home call.

E6, NIUE. Grant, VK5GR, will be active as E6AG from Niue (OC-040) between September 13-25th. Activity will be a one man holiday style Dxpedition with family (so operating will be at times limited) on 40-6 meters (possibly 80m). Operations will be mainly the Digital modes and some SSB. His activity will include the CQ

WW RTTY Contest (September 23-24th). He plans to take a 500W station (K3+KPA500+KAT500) with a vertical folded monopole. QSL via M0OXO or OQRS. More details are available on QRZ.com.

EU-034. Ops Pasi/OH2MZB and Simo/OH2HAN will be active as ES0HAM from Estonia's Hiiumaa Island between August 17-21. Activity will be on 80-10 m using mainly RTTY, but some SSB too. They will also participate in the SARTG RTTY Contest. QSL via the Bureau to OH2HAN or direct via info on QRZ.com.

ISLAND HOPPING. "The DAILY DX" reports that Randy, WW6RG, will be visiting four islands during July and August, and will operate some short SSB QRP operations. Look for him to be on the following islands:

KH9 - Wake Island; WW6RG/KH9; for only two days -- July 20th and August 17th; watch around 0330z and 0730z on 14205 kHz; and again around 0545z; US General ops listen for him around 14235 after 0600z.

V7 - Marshall Islands (from Kwajalein Atoll); V73/WW6RG; July 24-26, and again Aug 21 and 23; watch for him on 14205 kHz between 0330z and 0800z; and again at 0545z around 14235 kHz; Running 100 watts.

V2 - Antigua & Barbuda; V25RA; on August 5th and 6th; watch around 14230 kHz

ZD8 - Ascension Island; ZD8RA; on August 7th; watch between about 0800z and 1030Z around 14205 kHz; and again 1530z to 2000Z QSL all ops via home call WW6RG. He does not use LoTW or eQSL.

JD1, OGASAWARA. Koji, JI1LET, will once again be active as JD1BOI from Komagari, Chichijima Island (AS-031) between August 3-12th. Activity will be on 160/80/40/30/20/17/15/12/10/6 meters using CW, SSB and RTTY. QSL via JI1LET, direct or by the Bureau. See QRZ.com.

K1, UNITED STATES (Special Event). Look for special event station **K1T** to be active until August 5th. Activity is to honor and memorialize Howard E. Anthony, second owner of the Heath Co., who died in a tragic plane crash on July 23, 1954. The call sign K1T stands for "kit". Operations will be on the standard "contest bands" (WARC bands didn't exist in the prime Heathkit years), on the modes of SSB and CW. See complete details and the schedule for operations on QRZ.com. QSL via W7UUU.

KH1, BAKER ISLAND (Press Release). The Dateline DX Association (most recently the K4M team) is very pleased to announce that it has been selected by the Pacific Islands Refuges & Monuments Office of the US Fish and Wildlife Service to pursue an Amateur Radio expedition to Baker Island National Wildlife Refuge (KH1). We will announce dates of activation and other pertinent information once a vessel has been selected and approval and said vessel and dates are approved by the Service. We wish to thank the US Fish and Wildlife Service for their trust in our group to safely and responsibly activate this rare location. Don Greenbaum, N1DG, Tom Harrell, N4XP, and Kevin Rowett, K6TD co-leaders

N2, UNITED STATES (LH Op). The Old Barney ARC will be operating **N2OB** from the Barnegat Lighthouse (USA-039) on Long Beach Island, NJ (IOTA NA-111 and USI NJ-001-S) on August 5th. (Rain date August 6th). Approximate hours are 1300-2100 UTC. The watch spots for operating frequencies will mostly be on 40 and 20 meters SSB and some CW. QSL via N2OB.

OY, FAROE ISLANDS. Marq, CT1BWW, will be active as OY/CT1BWW from the Faroe Islands (EU-018) between August 1-10th. Activity will be on 40-10 meters using CW, SSB and the Digital modes. QSL via EA4URE by the Bureau or direct to CT1BWW.

SV8, GREECE. Berkin, TA3J, will be active as SV8/TA3J from Mytilene-Lesvos (EU-049) between August 14-17th. Activity will be on 160-6 meters using SSB and FM. QSL via TA3J.

T6, AFGHANISTAN. Salvatore, IZ1BWB, is now active as T6/IZ1CCK from Herat, Afghanistan, until the month of December. He is there as a Brigade Alpine "Taurinense" in the Italian Army. Activity has been mainly on 20 meters using CW and SSB. QSL via IZ1BWB, direct or by the Bureau.

T45, CUBA. Operators Moses/CM2YV, Bob/CO2KL, Amed/CO2AME and possibly others will be active as T45FM from the Faro Puta Maya Lighthouse (ILLW CU-005) during the International Lighthouse Lightship Weekend (ILLW) between August 19-20th. They plan to have 6 stations active on all the bands using CW, SSB and the Digital modes. QSL Manager is RW6HS direct only.

XV9, VIETNAM. William, WA7WJR, received a 3 year license and is planning to be active as XV9WJR from Bien Hoa (possibly Phu Quoc Island), Vietnam, between late August and September 2017. Activity will be on various HF bands using CW (5w to 100w @ 15 wpm). His equipment includes: Elecraft K2, RM Italy HF Linear Amp, Buddipole Ant, EFHW Ant, Vibroplex Vibekeyer. QSL via WA7WJR direct.

YJ0, VANUATU. Tony, KQ2I, will be active as YJ0AT from Efate Island (OC-035) between August 29th and September 14th. Activity will be holiday style on 40-10 meters using CW with an Elecraft KX3 HF Transceiver and KXPA100 amp (100 watts) into a vertical antenna. QSL via NR6M. QSOs will be uploaded to ClubLog.

That's it for this Newsletter. Get on the air and work some DX. Until next month, vry 73.

Youth DX Adventure Starts August 3rd

The Dave Kalter, KB8OCP, Memorial Youth DX Adventure Set to Start on August 3:

This year's YDXA contingent of three youths, three parents, and two leaders will travel to Costa Rica on August 3rd and plan to be on the air that evening.



Bryant, KG5HVO

The youths are: Bryant Rascoll, KG5HVO of Atlanta GA - Austin Harris, WA8CCS of Vandalia, OH and Chris Brault, KD8YVJ of Liberty Township, OH.

TI5/<home call sign> operations will continue until the evening of August 7th.

There may be times of being off the air due to conditions, as we will be on a mountaintop, which is not lightning friendly. Also, there are some plans for a local trip to enjoy the area.

No promises regarding 160-meter operation, but the team will have antennas on most bands. It's recommended that you check the [YDXA website](#).



Chris, KD8YVJ

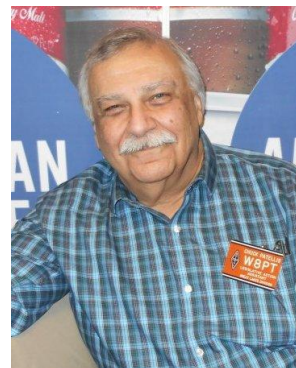
On this trip, we plan to do some digital operations, which is a first for the group. PSK and RTTY will be the modes. Participants will also operate SSB and CW, keeping two stations active as long as no interaction exists.

Last August, the YDXA team operated as PJ6Y from Saba.

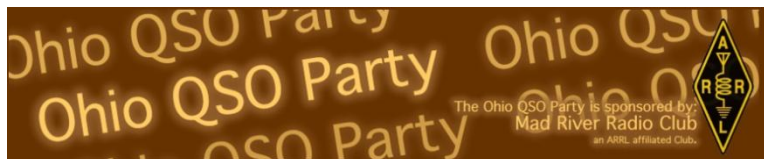


Austin, WA8CCS

Chuck, W8PT



At our next DX/Contest Special Interest Group meeting (Aug 22nd), we will discuss the upcoming Ohio QSO Party. This event takes place on the fourth Saturday in August. That means that this year it will take place on August 26th. As you know, we have been participating in this event for a few years now from the K8BF club site.



The contest is 12 hours long - from Noon to Midnight and we will once again enter as a Multi-Multi. The modes are limited to CW and SSB and take place on 80,40,20,15 and 10 meters.

This event is a lot of fun because, for a change, Ohio stations are the ones being called from all over the US, Canada, and other parts of the world. And of course, Ohio stations are trying to make as many contacts as possible.

During the meeting we will run through the rules for this year's contest. I'm hoping to get many PCARS members out to make some contacts since we want to make a good showing again. Even if you come out and only spend 10-15 min at the mic or key, come and help support your club's effort in this contest.

YES, we will again have a BBQ associated with the QSO Party. We have billed it as the **Ohio B-B-QSO Party** and this year will be no different. I have it on good authority that **Grill Master Tom Sly** will be putting his magic touch on burgers and dogs or brats. PCARS will be supplying the meats and buns and condiments. If a few people could bring either a dessert or a side to pass to make it a complete BBQ, it would be great.

So there you have it. I will be making a specific request for operators and also to get a list of those that could bring some food to complement the burgers and brats. **Mark your calendars and set aside Saturday, August 26th, to take part in this year's Ohio B-B-QSO Party hosted by PCARS.**

One other thing you might want to do is mark your calendars for **Oct. 7-8**. That's when K8BF will once again participate as a Multi-Multi in the **California QSO Party**. As you are aware, we have done very nicely in this contest since we started entering it a few years ago. There will be more on this as the date gets closer, but it's not too late to get your ducks in a row so that you can take part in this fun event. We certainly want to keep up the standard that we have set. So stay tuned for more info.

Well here's a novel idea: Instead of me dictating what we will be doing during the August DX/Contest Special Interest Group meeting that takes place on Tuesday, August 22 at 7PM, I'm asking if someone has a topic they'd like to discuss or if they have a presentation they would like to make that fits our SIG.

If you have a topic that you would like to see the group tackle or if you have a presentation that fits the overall banner of DX or Contesting, please let me know and we will see if we can make it happen. Remember, I will have the final approval of the topic. So if I hear "raspberry pie" or "arduino", I may start swinging a large mallet. Otherwise, all other topics are open for discussion. Although I might put JT65 or JT8 in the same group as the other two, but that remains to be seen. Hi-Hi.

All kidding aside, *please* let me know what you want to discuss or have presented.

Linux for Hams SIG

Terry, KB8AMZ

The 3rd Linux for Hams Special Interest Group for this year will be August 29, 2017 at 7 PM at the PCARS Club Site.

If any of you were at Jim's, AC8NT JT65 Raspberry Pi Build you should bring your RPi3 to the meeting.

If you couldn't attend bring your RPi3 to the SIG and I can help you with the installation. I will be discussing the setup of fldigi on the RPi3 as well as some CLI commands you should be familiar with and the use of vi, resident text editor.

The last SIG of the year will be October 31. We should make use of our 2 remaining SIG meetings we have this year.



QRP & CW SIG

Terry, KB8AMZ

The next CW/QRP Special Interest Group will be August 8, 2017 at the PCARS Club Site at 7 PM. We continue practicing CW. At the conclusion of next month's (September) CW/QRP SIG, we will have completed the all the necessary A-Z, 0-9, period, comma, question mark, forward slash, and double characters.

You should look forward to using your CW skill on the air. Hey, check out the Skeeter Hunt (see below) and use your new CW skills. If you have a question contact me at kb8amz@portcars.org



2017 Skeeter Hunt - QRP Sprint Contest with POTA

The NJQRP Club (New Jersey) Sixth Annual Skeeter Hunt August 20, 2017, Sunday, 4-hour sprint from 1700Z to 2100Z (1300 EDT to 1700 EDT) featuring Parks on the Air. This is a 4 hour event, an outdoor event, where extra points are obtained for using your homebrew rig (you are permitted to use a commercial rig but not claim extra points). This contest is what is known as a sprint. If you want to be a "Skeeter" you need to send an email request to w2lj@arrrl.net no later than August 19th with the park that you will be activating, along with your State. I sent for mine received a response back the next day, **Skeeter#90/Tinker's Creek SP**. Beside the usual CQ QRP + <your call sign> another call is suggested, CQ BZZ + <your call sign>. Modes are CW (5W max) or SSB (10W max). Classes are portable (not your backyard) or home. If you work another skeeter station that contact is worth 3 points, non-Skeeter contact but QRP is 2 points, and any other contact is 1 point. The typical bands are 80m, 40m, 20m, 15m, and 10m. Photos of your station setup and operation at your Park and "soapbox comments" are encouraged. All your information must be submitted within 14 days after the event. For more details about the event visit the web page at www.qsl.net/w2lj/ and submit your entry to Larry at w2lj@arrrl.net

Digital SIG

Rick, K8CAV

PCARS will be holding its monthly Digital Special Interest Group meeting on Tuesday August 1st at the PCARS club site in Ravenna.

This month Jim, AC8NT will be talking about the program WSJT-X. WSJT-X is a multiplatform package that will run on Windows, OS-X, or Linux (including the Raspberry Pi) operating systems and supports JT4, JT9, JT65, QRA64, ISCAT, MSK144, and WSPR, as well as one called Echo modes.

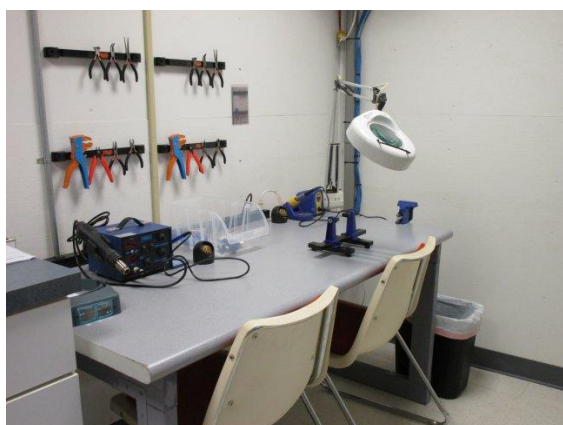
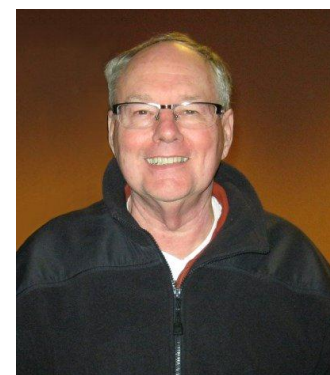
From the little I've done so far with WSJT-X, I can say that it's a well written application and I know you'll enjoy Jim's presentation. As always, we'll be available to help with any questions or problems you may have with digital communications.



Update: The Rebuilt PCARS Lab

Jim, AC8NT

We now have a very good resource for our members. The new lab project has been completed. The lab has the basic test equipment and tools necessary to complete most projects. Equipment includes scopes, signal generators, dummy loads and meters.



We have two soldering stations where you can sit and finish project assembly. These stations have soldering tools including equipment required for surface mount. They have magnifier systems for those of us that need a little optical help and all the required hand tools for assembly.

We plan to add more equipment including new test equipment (ie. Bandpass bandwidth measurement system, spectrum analyzer) and additional tools

including coax stripping and connector tools.

Please stop by and see this great addition to our club. It will be available for use any time the club is open (SIG nights and other events).



DX Engineering - August Hot Deals

The generous people at **DX Engineering** are long time supporters of PCARS. This letter came in announcing the **August Hot Deals** day at the **DX Engineering** retail store in Tallmadge (located inside Summit Racing).

DX Engineering supports PCARS, so let's help support them as well.

Hope to see you at **DX Engineering** on August 26th.



Dear club leader,

DX Engineering's "August Hot Deals" sales event is back for 2017, and we are celebrating the first transmissions from our HF antenna stack. Sitting atop an all-new 70' tower, this high performance antenna system allows us to develop and test our products. And get on the air from N8DXE!

You and your club members can visit, and make some contacts, and have some fun!

In fact, 2017's August Hot Deals event is so big, we had to move it outside. We've set up four DX Engineering tents in the grassy area next to our Showroom, each with their own radio/antenna setup—so you can try out some of the hottest Ham Radio products on the market.

Here are some details on our new tower to whet your appetite:

- Rohn 65G Tower
- Yaesu G-2800 Heavy Duty Rotator System
- EAntenna 3040MDY4 40/30 Meter Yagi
- DX Engineering Skyhawk 20/15/10 Meter Yagi
- DX Engineering Skylark 17/12 Meter Yagi
- Hamplus Antenna Switching System

In addition to all the on-air excitement, you can score discounts on open box gear and inventory reduction items. Plus, you'll be able to purchase and pick up your in-stock order that same day.

August Hot Deals begins at 9 am on Saturday, August 26. Our full DX Engineering staff will be on-hand to answer questions until noon Saturday morning. The sale will last through 9 pm on Sunday, August 27. The deals will only be good here at our Retail Showroom, inside the Summit Racing Retail Super Store at 1200 Southeast Ave. in Tallmadge, Ohio.

Watch for more details at DXEngineering.com and on our Facebook page. In the meantime, add the date to your calendar of events, newsletter and website, and spread the word to your club members and friends. Even if you can't make it to this event, I encourage you to come in anytime and try out our new antenna stack.

73,
Tim K3LR

Tim Duffy K3LR
Chief Operating Officer and General Manager

DX Engineering
1200 Southeast Ave.
Tallmadge, OH 44278 USA
330.572.3200 | DXEngineering.com

Phone: 330.572.3200 • Fax: 330.572.3279 • E-Mail: DXEngineering@DXEngineering.com • Web: DXEngineering.com

PCARS Thursday Net Control

Tom, WB8LCD
Net Control Coordinator

Thank you all for helping with this! Anytime you are unable to take the net, please give me as much advance warning as possible! **Check out the new receiver located in Sugar Bush Knolls - using a PL tone of 118.8.** The Rootstown receiver still uses the 110.9 PL tone.

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

***** IMPORTANT NOTE: AUGUST 17th will be Net Night at the Cruise In *****



August	
3	KB8UUZ
10	KB8UHN
17	*** K8IV ***
24	NR8W
31	AC8NT

September	
7	WB8LCD
14	KA8TOA
21	N8RLG
28	KD8SKL

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!

Keeping the net on Track:

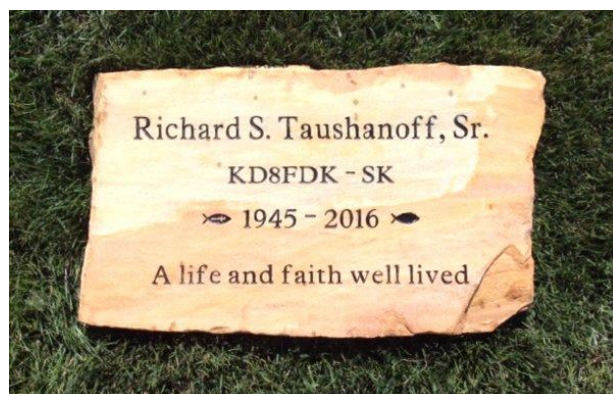
- Before the net (earlier the better) make sure your equipment is working properly and you have a good signal into the repeater.
- Always make sure the net starts at **8:00 PM SHARP!** That means checking the clock on your computer (if you are connected to the internet).
- Always be prepared to change repeater inputs and/or go Simplex if necessary.
- As stations check in, be sure to confirm each check in by their **callsign** – **not by name!** You never know when two guys named Tom might be trying to check in at the same time. If you confirm the check in with “I got you Tom”, they might both presume that they are checked into the net. Ask for a relay if you need it.

If you can, hang out for 10-20 minutes after the net in case there are any late check ins.

From Mrs. KD8FDK

I thought you guys would enjoy seeing Rich's stone.
Managed to subtly incorporate his love of fishing too.

Thanks, - Barb aka “Mrs. KD8FDK”



Headwaters Race & Potato Stomp

Rick, K8CAV



On Saturday July 8th the Portage County Park District held its annual Headwaters Adventure Race in the Mantua-Hiram area. This race consists of a two-mile run on the hike and bike trail, followed by a ten-mile bicycle race on roads in Mantua Village, Mantua Township, and Hiram Township, and concluding with a five-mile canoe race on the Cuyahoga River.

ARES® of Portage County was again asked to provide communications on the course and we were able to respond with enough volunteers to satisfy the mission. Our volunteers were stationed at road junctions throughout the course, in a sweep vehicle for the bicycle race, on bridges over the river, and in a sweep canoe for the canoe race, as well as stationing an operator with the race director. Primary communications were through the K8IV repeater either direct or through one of two cross-band repeaters on the course. In addition to providing communications support to the race director, we also did communications checks from the sweep canoe every ten minutes to get a more detailed performance analysis of the cross-band repeater located at the top of Derthick's Hill on Route 82.

After signing in, everyone moved to their assigned locations and conducted radio checks when the net was opened. As race participants passed their locations, information was provided as requested. When through with their assignment, volunteers were released to either go home or to travel to a subsequent assignment. Every one of our volunteers performed their duties very professionally and the race director and her staff were very happy to have us there.

The cross-band repeaters performed very well, especially for our volunteers in the sweep canoe. Communications were loud and clear from Camp Hi Canoe all the way to the Pioneer Trail bridge at which time a slight amount of noise was heard. At that point they switched to the Village Park cross-band repeater and were loud and clear for the remainder of the course on the river. I'd like to thank Mike KD8FLZ, Greg KA8TOA, Jim KC8YYS, Mike KB8TUY, Andrew KE8BWA, Rick KD8WCK, Paul KE8EGF, Terry KB8AMZ, Amy KD8SKL, and Eddie KD8SOP for giving their time and their talents to support this event. I also want to thank Ed K8IV for the use of his repeater to support this event.

Mantua Potato Stomp Public Service Event

The Mantua Potato Stomp will be holding its annual race on Saturday morning **September 9th** in Mantua.

Race officials have again asked for communications help for this event. Assignments will be at road junctions throughout the course and will be reporting last runner status or other information as requested.

If you are interested in volunteering, *please* send me an e-mail at K8CAV@portcars.org, thanks!



Ohio State Parks On The Air



TENTH ANNUAL - OSPOTA - September 9th

Hello OSPOTA fans. Seems like Summer is passing faster than usual and that means the 10th annual OSPOTA contest is coming up sooner than you think. Make your plans, test that antenna set up, get out there and have some fun during OSPOTA 2017 on September 9th from 10:00 am to 6:00 pm eastern time.

In celebration of our TENTH year with the OSPOTA contest - special prizes will be awarded to amateurs activating Ohio State Parks for the contest this year.

A note to remember - you are visiting an Ohio State Park. You are just a visitor, so please keep the area neat and clean and check the surrounding area to pick up any trash accidentally dropped before you depart.

Also, as in the past, some park officials seem to think that since you are participating in OSPOTA, you need some sort of permit - You do not need a permit. You are just a visitor to the park that happens to be a ham operator testing out emergency communications with other hams in other state parks - again, you are a visitor to the park. **However be aware that the local Rangers may still require registration as an "event"**. See the latest information on the OSPOTA web site (www.ospota.org) or on the OSPOTA Yahoo site - **THERE HAVE BEEN UPDATES** to the rules and other documents.



You have no special rights as to where you can set up and please don't make any demands to a Park Ranger. That's the easiest way to get tossed out of a State Park. Be polite, invite the Park Ranger(s) to see what you are doing and make sure you let him/her know that this is really like practicing emergency communications for public service. More and more governmental agencies such as Police, Public Health Departments, EMA, FEMA, Dept of Health & Human Services, Red Cross, etc. recognize how important amateur radio is for emergency communications.

"When All Else Fails, Amateur Radio Works".

Most of the time when you talk to the Park Rangers about this aspect - they think it's pretty cool and they leave you alone.

So - be polite - and most of all **HAVE FUN!** Take some pictures while you're out there, too. Check the rules again (they are posted here and on the main OSPOTA web site - since late last year).

Pick a Park and go for it!

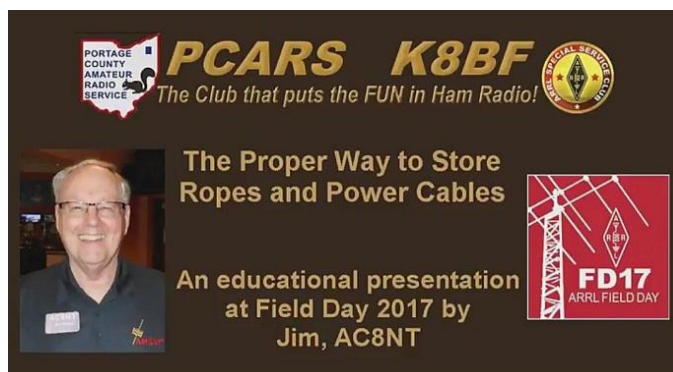


Ohio State Parks On The Air contest - Sept. 9th



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

HEY check it out - If you missed seeing the great educational program that Jim, AC8NT did at Field Day 2017 - it's on the PCARS YouTube site!!!!

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



Contest Calendar

August 2017		
Contest Name	Click for more info	Times - Date
10-10 Int. Summer Contest, SSB	Click Here	0001Z, Aug 5 to 2359Z, Aug 6
North American QSO Party, CW	Click Here	1800Z, Aug 5 to 0600Z, Aug 6
Maryland-DC QSO Party	Click Here	1600Z, Aug 12 to 0400Z, Aug 13 and 1600Z-2400Z, Aug 13
North American QSO Party, SSB	Click Here	1800Z, Aug 19 to 0600Z, Aug 20
Hawaii QSO Party	Click Here	0400Z, Aug 26 to 0400Z, Aug 28
Kansas QSO Party	Click Here	1400Z, Aug 26 to 0200Z, Aug 27 and 1400Z-2000Z, Aug 27
Ohio QSO Party	Click Here	1600Z, Aug 26 to 0400Z, Aug 27

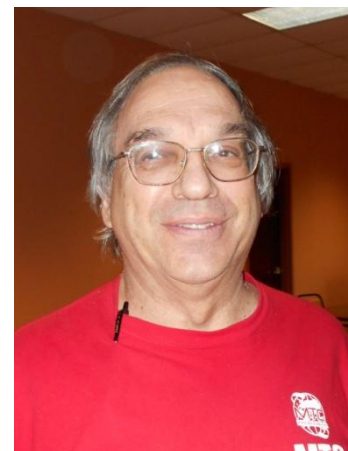
Google the Contest Name - Read the Rules & Have Fun. YES - There are **MANY** More Contests out there - Check the Internet



CFARC Fox Hunts

Jim, N8PXW

The Cuyahoga Falls Amateur Radio Club Foxhunt Results for July 19, 2017 are: Dave, WD8DPF, hit in the front parking lot of the United Church of Christ in Kent. The finishing order was (note all times were 7:19): John, KD8MQ, and Ben, KD8KMQ - Jim, N8PXW - Bob, K8RJM and Ron, KE8FKN - Frank, W8EZX. We went to Rockne's afterwards.



The next scheduled foxhunt is Wed Aug 2, 7PM.

The Cuyahoga Falls Amateur Radio semi-monthly (1st and 3rd Wed) foxhunt will start at 7:00 PM at the Scout House in Silver Lake, Ohio. The mailing address is 2850 Church St, Stow, Ohio. The GPS coordinates are 41 09.0117 81 27.54714. It is located on Church St. a block south of RT 59, Kent Rd. The talk-in freq. is 147.270, the club repeater. The hunt freq is 147.525 simplex. Directions from the RT 8 freeway are as follows: From the South Exit at Rt 59 (to STOW) and follow the road 3 or 4 traffic lights, till you see a church on the South-East side of the road, and a "Silver Lake" sign on the North side. Turn right, and go South for about 1/2 block, the parking lot will be on your left, behind the church. It's harder from the North. Exit At 2nd st. That puts you in the wrong direction but go to (I think) a traffic light, turn left, go 1 block and it dead ends on a 1-way to your left on Front St. and Rt 59. Then follow the previous directions to the Scout House.

Hope you can make it.

Great Lakes Division at HamCon 2017

The most exciting ham radio event to ever hit Michigan has been scheduled for October 7 & 8, 2017 at Michigan International Speedway (MIS) near Brooklyn, Michigan.

MIS is located in the vacation area of Southeastern Michigan known as the Irish Hills. The racetrack is the home of two NASCAR races each year (June & October) and other non-racing events and is near major highways and air transportation. The facility is comprised of 1400 acres in the rolling hills of SE Michigan. The entire event will be held in the infield of the 2 mile track with lots of asphalt surfaces in the pit area. We have 22,500 square feet of indoor area for commercial vendors and a huge paved

area for flea market space. All types of camping on site are available (tents to pop up campers to fifth wheels to full blown motor homes) with 24 hour security services. Medical personnel will be on site during the entire event for your safety. The facility will be open on Friday, Oct 6 for vendor load in and set up. Load out will be on Sunday, Oct 8) at the close of the event. All activity should be complete by 2100 Sunday evening.

Food services will be available and ticketing will be available electronically. There will be a complete complement of commercial vendors and many forums and workshops, including a ham in a day class taught by Dan, KB6NU. This class will be followed by a VE session which will be open to anyone interested in testing for a new license or an upgrade.

There are a great number of details that are still in the process of being developed. We are assembling our team to plan and operate the HamCon in conjunction with participating amateur radio clubs in roughly a 50 mile radius of the track. Our organization is the Great Lakes Amateur Radio Association, which will be a 501 (c) (3) non-profit corporation. Our website is www.glhamcon.org and we are on Facebook as Great Lakes Ham Convention and our Twitter ID is GLHamCon. All of our social media is in the process of being developed and will be fleshed out as things develop. Scott Westerman, W9WSW is heading up our Social Media efforts.

As you might imagine, planning an event of this size is an enormous undertaking. There is lots of work to be done and we are working very hard to make this the very best Ham Radio event ever.



Hamfest Calendar

08/05 - 2017 Columbus, Ohio Hamfest and Ohio ARRL Section Conference - Location: Aladdin Shrine Center, 1801 Gateway Circle, Grove City, OH 43123 - Website: <http://columbushamfest.com> - Sponsor: Voice of Aladdin Amateur Radio Club, W8FEZ - Public Contact: John Lehman K8PJ, 7415 Hagerty Road Ashville, OH 43103 - Phone: 614-571-5179 - Email: voiceofaladdin@gmail.com

08/20/2017 - Warren ARA Tailgatefest - Location: Mosquito Lake State Park - 1439 State Route 305 - Cortland, OH 44410 - Website: <http://w8vtd.org> - Sponsor: Warren Amateur Radio Association - Talk-In: 146.970 - Public Contact: Scott Wilton, KE4UHC - 5415 State Route 88 Kinsman, OH 44428 - Phone: 330-349-2870 - Email: ke4uhc@neo.rr.com

08/27/2017 - 9th Annual Cuyahoga Falls ARC Tailgate Hamfest - Location: Robert Pinn Armory - 4630 Allen Road - Stow, OH 44224 - Website: <http://www.cfarc.org/tailgate.php> - Talk-In: 147.27+ (PL 110.9) - Public Contact: Frank Tompkins, W8Ezt - 124 Chart Road Cuyahoga Falls, OH 44223 - Phone: 330-928-4048 - Email: w8ezt@att.net

08/27/2017 - Skyview Radio Society Swap 'n Shop - Location: Skyview Radio Society Club Grounds - 2335 Turkey Ridge Road - New Kensington, PA 15068 - Website: <http://www.skyviewradio.net> - Talk-In: 146.64- (PL 131.8) - Public Contact: John Cancro, NK3P - 3525 Milligantown Road New Kensington, PA 15068 - Phone: 724-339-4945 - Email: jpc2@psu.edu

09/10/2017 - Findlay Hamfest - Location: Hancock County Fairgrounds - 1017 East Sandusky Street - Findlay, OH 45839 - Website: <http://www.findlayradioclub.org> - Talk-In: 147.15+ - Public Contact: Chuck Hirschy , N9FIJ - 511 Hunters Creek Drive Findlay, OH 45840 - Phone: 419-423-3402 - Email: hamfest@findlayradioclub.org

09/10/2017 - Butler County Amateur Radio Swapfest - Location: Unionville Fire Department - 102 Mahood Road - Butler, PA 16001 - Website: <http://w3udx.org> - Talk-In: 147.36/96 (PL 131.8) - Public Contact: Joseph Sciulli, N3WH - 1020 Bonniebrook Road Butler, PA 16002 - Phone: 412-337-1687 - (after 5 PM) - Email: N3WHJOE@gmail.com

09/24/2017 - Cleveland Hamfest and Computer Show - Location: Cuyahoga County Fairgrounds - 164 Eastland Road - Berea, OH 44017 - Website: <http://www.hac.org> - Talk-In: 146.73 - Public Contact: Glenn Williams, AF8C - 4134 Stoney Ridge Road Avon, OH 44011 - Phone: 440-934-5566 - Email: af8c@ARRL.net

10/29/2017 - Massillon ARC Hamfest - Location: Massillon Boy's & Girl's Club - 730 Duncan Street SW - Massillon, OH 44646 - Website: <http://www.w8np.org> - Talk-In: 147.18 (PL 110.9) - Public Contact: Terry Russ, N8ATZ - 3420 Briardale Drive NW Massillon, OH 44646 - Phone: 330-837-3091 - Email: truss@sssnet.com

Swap-N-Shop

FOR SALE: Two 6 meter Squalo antennas with phasing harness - \$60.

Contact Tom, WB8LCD at WB8LCD@portcars.org [8/2/17]

FOR SALE: Cushcraft R7000 Vertical (no ground radials required) 10, 12, 15, 17, 20, 30, 40 Meters
Also includes the R80 Add-On Kit for 80M. Manuals included. \$175.00

Contact Paul, N8QZ at N8QZ@portcars.org [10/2/17]

FOR SALE: AEA model QT-1, Antenna tuner \$15 - Andrew F4PNMV2-HC N Male connector \$5 ea - Bencher ST-1CW Paddle \$50 - Coax Switches (3) \$5 ea - Code Key J-37 key on a J-44 Base \$10 - Code Keys Straight (3) \$5 ea - Code Keys, MFJ and Misc. Equipment for sale - Cushcraft Model XM 520 20 meter 5 element beam \$50 - Dentron Jr. Monitor \$20 - Heathkit 75 Meter Single Bander \$40 - Heathkit AM-2 SWR/ Power Meter \$10 - Heathkit and Ten-Tec Equipment for sale - Heathkit DX-60 10 thru 80 Meters HF \$40 - Heathkit GR-88 152-174Mhz Receiver \$10 - Heathkit HFT-9A Antenna Tuner \$20 - Heathkit HG-10 VFO \$15 - Heathkit HM-11 SWR/ Power Meter \$10 - Heathkit HM-9 QRP Wattmeter \$15 - Heathkit IM-10 VTVM \$10 - Heathkit SB-600 Speaker \$10 - Heathkit VTVM Model IM-11 (A) \$10 - HYGAIN 6 element 6 meter beam \$50 - Icom IC-AG1 430Mhz Preamp \$10 - KENT Single Paddle \$15 - Kenwood TH-22AT 2 Mtr HH \$15 - MFJ MFJ- 812 VHF SWR/ Power Meter \$5 - MFJ MFJ-204B Antenna Bridge \$20 - MFJ MFJ-464 CW Reader/ Keyer \$40 - MFJ MFJ-484 Grandmaster Memory Keyer \$20 - MFJ MFJ-492 Memory Keyer \$20 - MFJ MFJ-9040 40 Mtr CW transceiver \$30 - MFJ MFJ-906 6 Mtr Antenna Tuner \$40 - MFJ MFJ-945 Antenna Tuner \$20 - Nye Viking, MBI-001 Tuner, \$50 - Pyrmid Power Supply model PS-25 \$30 - Swan SWR-1A SWR/ Pwr Meter \$5 - Ten-Tec Antenna Tuner Model 247 \$25 - Ten-Tec Argosy II Model 525-D \$100 - Ten-Tec Kit 6 Mtr Transverter \$20 - Ten-Tec Kit Shortwave Receiver Model 1253 \$40 - Ten-Tec Power Supply 252G \$25

Will accept all reasonable offers. Misc tower parts, lots contact me if interested.

Contact: Al, AB8AA at 330-207-3296 or ab8aa@arrl.net [10/2/17]

FOR SALE: Ameritron AL-1200 rated at 1900 PEP. Back up amp, not used much. Will deliver within 40 miles (+/-) Will sell for \$1900, or if shipped \$2100. PayPal, US Money Order or Cash. Lower 48 only.

Contact: Jack, N8BI at 440-478-8475 or N8BI@portcars.org [10/2/17]



FOR SALE: Alpha 99 amplifier in excellent condition. New finals installed and bias adjusted by DXE's "amp man". Full power plus -- 45 watts in got 1500 watts out in test. Cooling fan for the transformer has been installed. Non-smoking environment, one-owner and not used seriously in a contest. \$2000 firm. The pulled finals are available in a separate deal (2) **GU74B** for \$250. They got 1500 watts out with 70 watts drive.

Contact: Dave, N8NB at n8nb@aol.com [10/2/17]



For Sale or Want Ad policy reminder: This is a PCARS members only benefit. Please don't ask to list items for a friend, relative or SK estate unless they are a member of PCARS. Requests come in from all over the USA (and beyond) to list items for sale or wanted items and we just cannot dedicate that much space to non-members. Listings are good for 3 months unless canceled or changed earlier. The date listed after the contact information tells you when the ad expires - example: [10/2/17] indicates the ad will run until October 2, 2017.



Ohio State Parks On The Air



Ohio State Parks On The Air contest - Sept. 9th



PCARS Ham 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 PCARS club station.

We have 59 PCARS member's ham plates now, **but we can use more.** Don't have ham radio call plates on your vehicle? Well for those of you in Ohio, you can get the plates sent to you by going to any License Bureau office and filling out the special plate registration form. Have a copy of your current FCC license when you apply. The official form to obtain your Ohio Amateur Radio license plates is on the [PCARS 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/>

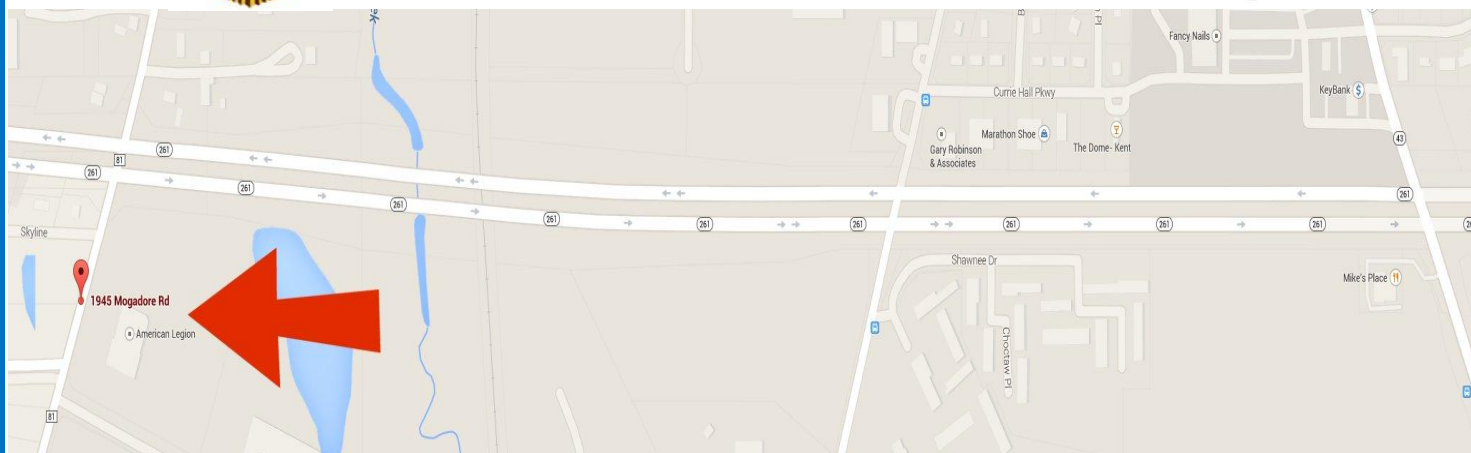


PCARS Meetings

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.

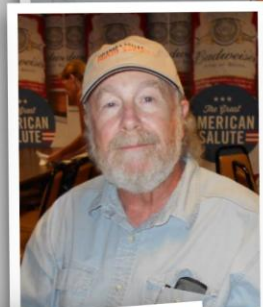
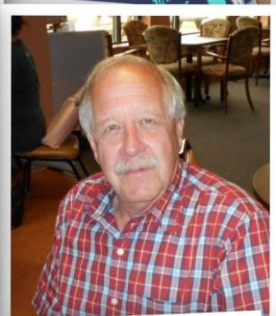
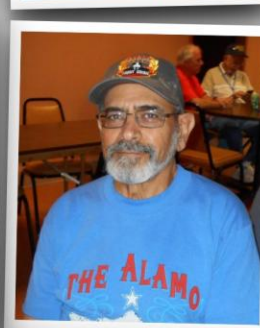


*The picture on the left shows
The American Legion Post 496
as viewed from Mogadore Road.
(looking East)*

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 PCARS Meeting in July



PCARS
10 July 2017



Important Dates This Month

Here are some actual holidays that are a little off beat and fun.

August 1st - Raspberry Cream Pie Day:

Raspberry cream pie is an often-overlooked kind of dessert, which is why we should celebrate Raspberry Cream Pie Day. Many people use a pre-made pie base to save some time, but others prefer to make their own crust with crushed graham crackers or digestive biscuits. The one thing that can't be compromised or altered, however, is the filling, which demands heavy cream, sugar, a dash of vanilla essence and, of course, some jewel-like raspberries. Some recipes call for the cream to be mixed with a smooth raspberry syrup, while others opt for the marbling effect of crushed fruit. Whatever option is chosen, the whole amazing concoction must be dotted with fresh raspberries to finish it off. Once these ripe, succulent berries are in place, the whole thing can be topped off with icing sugar, melted dark chocolate, or a few sprigs fresh mint.

(Editor's note - This is NOT to be confused with the Raspberry Pies that Jim, AC8NT is always talking about)



August 3rd - India Pale Ale Beer Day:

Get ready to raise a glass and celebrate India Pale Ale Beer Day. This annual occasion aims to increase appreciation of one of the world's most popular types of craft beer, using social media to spread the word. **IPA beers date back to the late 18th century, when these ales were brewed for British sailors making long sea voyages to India. Most beers didn't keep well on board ship, but London brewer George Hodgson was one of the first to develop a pale ale with a high hop content, which kept its taste better.** The special day isn't sponsored by a particular beer brand, but brings together breweries large and small, along with an assortment of beer buffs and bloggers. Hundreds of events are organized, including India pale ale tastings and festivals, so look out for a celebration at a bar near you. Cheers!



August 4th - International Beer Day:

Whether you're a lager lover or a cask ale connoisseur, there's no excuse not to raise a glass to another yearly installment of Beer Day – the perfect opportunity for beer brewers, sellers and buyers to raise their frosty glasses in celebration of the oldest, and most popular alcoholic beverage on the planet! Bars, restaurants and pubs all over the world join in with the celebration, so it's easier than ever to show your appreciation for the people who brew beer, and those who make it available for us all to drink on that parched summer's afternoon.



August 4-6th - Twins Day:

The Twins Days Festival in **Twinsburg, Ohio** is the largest annual gathering of twins (& other multiples) in the world! 2015 marked a major milestone for the Twins Days Festival and its twin family...its 40th festival! Watch the official videos here and here to see some of the fun and activities that can be found at the Twins Days Festival.
<http://www.twinsdays.org/>



August 6th - National Root Beer Float Day:

Between the luxurious vanilla ice-cream and the sumptuous root beer foam, how can any individual resist this delightful beverage? This amazingly refreshing summer treat has its own special day to celebrate its undeniable brilliance. Towards the end of the 19th century, a gentleman named Frank Wisner created the first root beer float. Strangely, this float was nicknamed the "black cow." If you are wondering how to make one of these superb drinks, then simply add a scoop of vanilla ice-cream to a cold glass of root beer. The taste of root beer float makes the taste buds tingle with utter excitement. To celebrate Root Beer Float Day why not create your own float? Make the float colorful and presentable so that other people can see you have really made an effort for this special occasion!



August 25th - Banana Split Day

"I believe in holistic medicine, yoga, Pilates and so on. But I also believe in banana split sundaes once in a while." - Gwyneth Paltrow

In our opinion, this is easily one of the best parts of summer or any time of year where you like to indulge in an ice cream treat! It blends together the perfect flavor of bananas with the rich sweet flavor of the ice cream, topped with whipped cream, maraschino cherries, strawberries, hot fudge, and anything else your heart can imagine! Banana Split Day celebrates this amazing treat and a perfect excuse to indulge in it!



History of Banana Split Day

The Banana Split, surprisingly, has a very definite history, and we can pinpoint its origins to one David Evans Stickler in 1904, where he was serving as an apprentice pharmacist at Tassel Pharmacy in Latrobe, Pennsylvania. Like most pharmacies of the day, it had a soda fountain attached, and it was in this pharmacy that he invented the banana split, which quickly became a hit with the students at Saint Vincent College nearby. Word of mouth made it spread like wildfire, and it soon became an American institution, before going global. In 2004 Latrobe hosted the 100th anniversary of the invention, the same year that it was certified as the birthplace of the banana split by NICRA (National Ice Cream Retailers Association). It also became the home of the Great American Banana Split Celebration, a huge event with food and events for everyone to take part in. Of course, like with all great inventions, there is some contention about its origins (unless you ask NICRA). Wilmington, Ohio claims that it was invented there in 1907 in response to a slump in the ice cream business thanks to the winter season.

August 31st - Burger Day

Do you fancy yourself as a burger connoisseur? Then Burger Day is your excuse to indulge and to try new flavors and experiences! Burger Day is run by a Mr Hyde, who sample, test and revel in the delights (and doubtless horrors) of burger vendors. Why not join them and try a new burger venue, flavor or style in your city?



Thanks & 73



Parky, KB8UUZ
PCARS Newsletter Editor



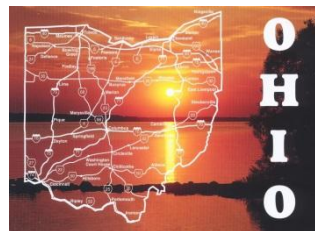
All of our members (and others) look forward to getting this newsletter every month, so keep sending those inputs! I'm sure PCARS is known as the **BIG FUN** amateur radio club with plenty of activities. So chip in and send your report in to keep this newsletter great all throughout the year.

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

K8CAV, AC8NT, KB8UUZ, N8SY, K3GP, KE8GSK, W8KNO, N8RLG, AB1FM, W2LJ, KD8MQ, WB8LCD, WX1DER, KB6NU, W8EZT, W8PT, KB8AMZ, N8PXW, Barb Taushanoff, DX Engineering, YDXA, CQ, VOX, the ARRL and the World-Wide Web.

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





27th Annual Columbus Hamfest & ARRL - Ohio Section Conference

Saturday - August 5th

Sponsored by
The Voice of Aladdin Amateur Radio Club - W8FEZ
8:00 AM - 1:00 PM

Talk-in on: 146.760 Repeater - PL 123.0
First come – First served
Doors open at 6am for vendor setup

>> NEW LOCATION!! <<

Aladdin Shrine Center
1801 Gateway Circle
Grove City, OH 43123

APRS Marker - W8FEZ



Admission
\$5 at the gate
12 and under free

Indoor Table & Chairs
\$5 with paid
admission

Outdoor Space
\$5 with paid
admission

VE Testing 9:00

Walk-ins are welcome, but pre-registration is encouraged to save time

w8zpf.cboh.org/exams/pre-reg

Forums

9:00 - 10:00 Clubs and how to keep members interested - Tom Sly, WB8LCD

10:00 - 11:00 ARRL and Ohio presentations

Newsletter Awards - John, KD8IDJ Ohio PIC - Allan Severson Award) - Scott Yonally, N8SY Ohio SM

11:00 - 12:00 OSSBN Semi-Annual meeting - Mike Hayward, KC8WH

For Hamfest information visit: <http://columbushamfest.com>

Mobile Cruise-In 2017



So you think that you have one of the best amateur radio mobile installations to be found? Well here is your chance to show off that mobile rig and have the opportunity to compare it to dozens of others: HF, VHF, UHF, you name it.



Thursday, August 17, 2017, 6:00 - 9:00 pm

The Portage County Amateur Radio Service (PCARS) will be sponsoring the **8th annual** Amateur Radio Mobile Cruise-In Night at the



Restaurant - 769 East Main St in Ravenna.

Hams from all over Northeast Ohio will be cruising in to check out the wide variety of mobile radio setups and get some ideas for their own vehicles.

Prizes will be awarded for:

1st Neatest Installation

2nd Most Bands Covered

3rd Largest Number of Contacts (VHF simplex, HF) between 6-7pm from the cruise-in.

4th Most Modes Used for Contacts: 1 Point for Each Mode (Dig/CW/Phone)



Enjoy an evening of ham radio fellowship and fun and get to know other hams from throughout the area. We'll also be running the PCARS Thursday net from the cruise-in.

Talk-in will be on the K8IV repeater, 146.895 MHz, PL 118.8 or PL 110.9

More information contact

Jim, AC8NT, at
AC8NT@portcars.org



Ohio State Parks On The Air



The Portage County Amateur Radio Service, Inc. (PCARS) announces the **10th Annual “Ohio State Parks On the Air” (OSPOTA)** contest, from the hours of 10:00 am to 6:00 p.m. EST (1400 UTC to 2200 UTC).

10th 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

Rev. 1 Dec 2016



The Portage County Amateur Radio Service, Inc. (PCARS) announces the 10th annual

Ohio State Parks On The Air



Ohio State Parks On The Air contest

Saturday, September 9, 2017, from 1400 UTC to 2200 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



Michigan International Speedway

Brooklyn, Michigan

Breaking News: ARRL President, Rick Roderick,

K5UR to attend Great Lakes HamCon!

Indoor Commercial Vendors
Huge Paved Flea Market
Free Parking in Infield
Unique Location
KB6NU's One-Day Tech Class
Food Concessions
Mobility Scooters Available

Forums
Workshops
Camping
Door Prizes
VE Testing
Fox Hunt
Two days of fun!

GLHamCon Online Apparel Store now open!!

<https://glhamcon.qbstores.com>

We will NOT run out of indoor space (adding however many event tents that it takes) and we have an unlimited paved area for Flea Market spaces. Of course, best spaces sell first!

www.glhamcon.org

Info@glhamcon.org

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 in Rootstown or 118.8 in Sugar Bush Knolls ~ EchoLink Node: K8SRR

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

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

~ 2017 Officers ~		2017 PCARS Appointments & Committees	
President - Rick Kruis - K8CAV Vice President - Jim Wilson - AC8NT Treasurer - Amy Leggiero - KD8SKL 3 Year Trustee - Robert Gurney - N8RLG 2 Year Trustee - Jim Aylward - KC8PD 1 Year Trustee - Erica Pelz - AE8YL 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, 2018	WA8AR	Tony Romito
	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	KB8UUZ	Tom Parkinson
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	WB8LCD	Tom Sly
	Tech, Gen & Extra Class Manager	AC8NT	Jim Wilson
	Volunteer Examiner Liaison	N8RLG	Robert Gurney
	Webmaster	KD8MQ	John Myers



**PCARS
Active
Volunteer
Examiner
Team
Members**

KC8PD	Jim Aylward
KB8UUZ	Tom Parkinson
WB8LCD	Tom Sly
N8XTH	Deron Boring
N8PXW	Jim Korenz
N8QE	Bob Hajdak
K8IV	Ed Polack
N8RLG	Robert Gurney
W8RID	Robert Davet
WA8CCU	Al Nagy
NR8W	Russ Williams
KD8RJV	Jim Corbett
W8EZT	Frank Tompkins
N8OQQ	Bryan Buchwalter
AC8NT	Jim Wilson
K8MSH	Mark Haverstock
KA8TOA	Greg Ash
KB3GXB	Jennifer Andrews

THE RADIOGRAM

PCARS Incorporated
Nov. 1, 2005

First Meeting
Nov. 14, 2005



ARRL Affiliation
April 20, 2006



Special Service Club
March 22, 2010

The RADIOGRAM is the official **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. Second Place Winner in the Ohio Section for 2016.) newsletter of the Portage County Amateur Radio Service, Inc. (PCARS) – copyright © 2017. Articles are the opinion of the authors and not necessarily those of PCARS. Or, better yet, let me express it this way: "These are my opinions and only my opinions, unless you share them as well, which would make them our opinions, but I am not of the opinion that I can express your opinion as my opinion without your prior expression of said opinion, and then my re-utterance of that opinion would, in my opinion, be foolish unless I were expressing agreement to your opinion, and then it wouldn't be my opinion but your opinion to which I only agree." **GO AHEAD - STEAL THIS NEWSLETTER! You have our permission to post, e-mail, copy, print, or reproduce this newsletter as many times as you like, but please do not modify what you use. If you use material in this newsletter, all we ask is that you give credit to PCARS along with the author of the article.** Caution - some of the articles in this newsletter maybe covered by copyright - please do not copy and use the ones that have by-line information unless you obtain permission from the original author. If you're not sure, drop an e-mail to KB8UUZ@portcars.org. The RADIOGRAM always obtains written permission for reproducing copyright material. The RADIOGRAM comes out the first day of each month (usually), please have inputs submitted by 8 pm ET on the last Friday of each month. ARES® (Amateur Radio Emergency Service®) is a program of, and both logos are registered trademarks (used with permission) of the American Radio Relay League, Inc. ARRL, the National Association of 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!**

This is an **Electronic E-Mail** version of the PCARS Newsletter, **The RADIOGRAM**. The advantages to receiving this way are: You get **COLOR** pictures, active links, **NO** postage needed and the newsletter is delivered right to YOUR e-mail box! **The RADIOGRAM** is published every month and only sent to subscribers. If you would prefer not to receive this newsletter, we understand. We'll try not to take it personally. It's not you saying you don't like us, but maybe you just don't have the time to look at all this hard work we've done just for you. Hey, that's cool. But if your heart is truly set on making sure you no longer receive this newsletter, even though we promise to one day reveal the meaning of life in it and you're going to be really upset when you miss out on that, we can take you off the e-mail list. Yes I know the cover says there is a cost, don't worry you won't get sent a bill or be hounded by bill collectors. Since this now looks like a magazine, I thought - what the heck, let's put a price on it. Every month it's listed in a different currency just for fun. Send your newsletter inputs (in **.TXT** format) along with in-focus pictures (not small 50 kb photos) to the newsletter editor: kb8uuuz@portcars.org

