



The **RADIOGRAM**

When All Else Fails ~ Amateur Radio Works

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

July 2017 - Volume 12 Number 7

163.82 K€

Field Day



PCARS K8BF

The Club that puts the FUN in Ham Radio!



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Mark Your Calendars

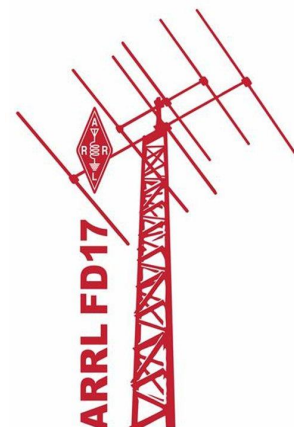
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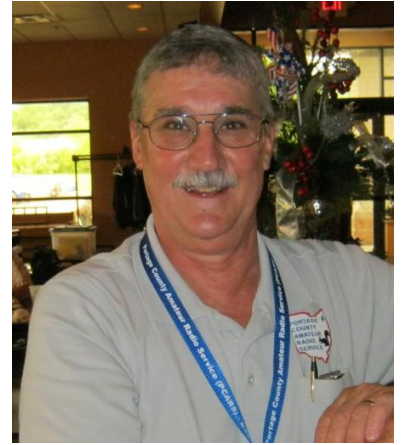
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Cover Photos: PCARS Field Day 2017; Chuck W8PT Chairman - Tony WA8AR Antenna Crew - Karen N8HUC Safety Officer - Ed K8IV 40m Captain - James KD8VT Saturday Dinner Chef - Rick K8CAV Flex Station Captain - Zeb KD8WZS and Steve K8SRR IT Crew - Erica AE8YL 20m Captain - James KD8VT Power Chairman - George K3GP CW Captain - Mike KB8TUY VHF Captain - Parky KB8UUZ Media Table - Jim AC8NT Educational Activity Chairman - Robert N8RLG Sunday Breakfast Chef (*great pancakes again!!*)

From the President

Rick, K8CAV
PCARS President



Field Day is probably the biggest event that PCARS puts on every year and this year's Field Day was, I think, the best and most fun we've ever had. Before saying anything else I want to give Chuck, W8PT a huge thank-you for the tremendous job he did leading and organizing Field Day for PCARS as its chairman. Chuck put together a good plan and a great team of station captains and support team leaders to lead and manage each facet of PCARS Field Day and that leads to my second thank you to all of you who volunteered to take on those responsibilities. The best leaders putting together a great plan means little if no one gets involved with the doing and I saw a LOT of PCARS members who volunteered to operate and log, and to help out with the nitty-gritty boots-on-the-ground tasks that made Field Day go and my most sincere thanks to all of you for your contributions. Lastly, we had a lot of folks come out to visit and support the PCARS Field Day and your presence meant a lot to the rest of us out there 'doing Field Day'.

For many Amateur Radio Clubs one signature event is the focus for much of the club's efforts but PCARS has a very active calendar of events throughout the year. We have Freeze Your Acorns Off, Field Day, OSPOTA, and various contests at the club site for operating. We have monthly special interest group meetings in different topic areas. We conduct licensing classes several times a year. We have 'build days' for different projects. We have periodic 'Get-On-The-Air' days at the club site. All of this and more supports the Mission Statement of PCARS to provide the most enjoyable Amateur Radio experience possible for our members. To make all of this possible requires two things. The first is leadership, at the board level and at the group/activity level. We've been fortunate to have members step up to fill those leadership positions, and that needs to continue if we're to remain a vibrant, growing organization. When elections or vacancies occur and are announced, we NEED for you to consider stepping up to fill them. Second, we need your participation for all of the things PCARS does. No, that doesn't mean we expect everyone to do everything, but try and be involved with your fellow PCARS members and find an event that interest you and come on out to have some **K8BF big fun!**

We have some fun things coming up in the next couple of months so mark your calendars! In July (date yet to be determined) we have our annual club picnic. Burgers, brats and a great time are in store so keep an eye out for the announcement. On Thursday August 17th we're doing our annual Cruise-In at the A&W root beer stand in Ravenna. This is always a really fun event and yet another opportunity to share some fun times with the PCARS gang.

I hope all of you have a very enjoyable and SAFE Fourth of July Holiday and I'm looking forward to enjoying your company through future PCARS events.

Headwaters Race, July 8th. I'm still looking for volunteers to help out with this event. e-mail me to k8cav@portcars.org if you are interested. For all of you who have sent me a note volunteering, I will have a draft plan e-mailed out on Monday July 3rd with assignments and times. Thanks!



From the Vice President

Jim, AC8NT
PCARS Vice President



Have you ever been so busy, you can't remember all the things you did? That's the way June appears in my addled brain. The best way to cover the month is with a list.

1. It started with the completion of a project to allow hams to test band pass filters with a minimum of equipment. A cute project using an Arduino and a few other components. All it took was "a little code", one day of development and two weeks of debugging. It was a normal project. Hopefully it will result in fun build day in the future.
2. Also we completed a series of meetings to include ham radio in IEEE presentations and events. This will allow us to reach a very large audience of potential hams, both young and old.
3. Work continued on the lab at the club site. We completed replacement of the EchoLink computer with Steve's (K8SRR) help. We also replaced our club router and added a Raspberry Pi to support some of the features of our Web page. This was supposed to be easy, but it took a lot of work. Getting the EchoLink software to work with Window 10 was a lot of "fun". We also installed a table supporting two soldering stations. With the arrival of the last pieces, the lab will be completed the week of July 4th.
4. And there was Field Day. Comments from all say it was our most fun Field Day ever. We didn't do too bad in the numbers either. Tony's antenna crew helped to make the setup far more effective. Kudos to the entire antenna setup crew. Also a big thanks to the Andrews family. They did a great job that was greatly appreciated. We certainly raised the bar for next year.
5. We also had the privilege to visit the Newton Falls Tigers club for a field event. It was great talking to these young people and their advisors. It was great seeing the 20/9 club members helping with the event. This is a great example of getting young people interested in our hobby.
6. Last, but not least, we started building a very small WSPR radio for tracking applications including balloons and water current travelers. This is coming out very nicely and should provide some interesting fun.

If you think June was great, let's look at July. We will be having two build days that include Get On The Air days. The first in a balun build July 15th. The second will be on July 22 and will be building a JT65 rig using a Raspberry Pi. Both will start at 9 AM. If you or any one you know would like to run HF from our club site, come out on either of these two days and we will be glad to get you up and running. Our monthly meeting will have Cory Gibson, W3CDG as our speaker. He will be talking about NVIS antennas. It should be a great meeting. I hope we have a great turnout.

I hope you have a great July and enjoy making many contacts.



Leon Loveland, N8GLK - SK

Former PCARS member Leon, N8GLK passed away on June 9th. Leon and his XYL, the former PCARS Secretary, Mary Jo, KD8GGZ were regulars at many PCARS functions. Always friendly and fun to talk to, Leon was a great person to know. His quick smile and sense of humor will be missed by many of us at PCARS. The following is just a part of the obituary that was published. Please take some time to read the whole obituary on-line at www.sscfuneralhomes.com.



Unlike the way he lived, Leon Loveland quietly slipped from this life in the early morning hours of June 9, 2017.

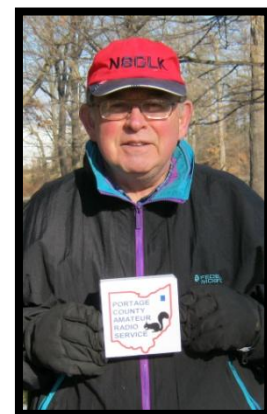
“Let’s get the details out of the way. He had family waiting on him in the afterlife, his parents, Ralph and Iva Mae Loveland; his beautiful wife and mother of his children, Gail (Spanabel) Loveland; his dear grandson, Nicholas Reed; and numerous aunts and uncles.

Already missing him terribly in this world are his wife, Mary Jo, KD8GGZ (Ligas); his daughter, Shelly Loveland Klein and her husband, Rich; his son, Scot Loveland and his wife, Jacki, and their daughter, Chloe; his brother, Robert Loveland and his wife, Irene; his niece, Kim (Ron) Nanosky; as well as his grandpups, Finch and Alice, the Wonder Dog.”



Leon and Mary Jo were married in late 1999, and settled in Portage County. In February of 2000, they bought a 1999 Jeep Wrangler and life was never the same. If the drag racing stories would take days, the Jeeping stories would take months. You never saw a man more happy than Leon on the trails. He loved the mud, he loved the hills and better yet, he loved muddy hills. They went to Camp Jeep one year, as well as several Jeep Jamborees, but the best times were local trail rides with some of the best people ever.

Until health issues started interfering, Leon was a member of the Portage County Knife Collectors Club and PCARS (Portage County Amateur Radio Service). Both he and Mary Jo have their ham radio licenses, but “N8GLK” is now a silent key. He also had been researching his family history and compiled much of his family’s genealogy dating back to their arrival in this country in the 1600s. For several years, he and a few neighborhood retirees played Euchre once a week where they ate good food, diagnosed everything that was wrong with politicians, debated tire tread patterns, vehicle makes and models, and the esoterica of lawn mowing. If a card dropped on the floor, they decided who was feeling good enough that week to bend down and get it and yet still be able to get back up.



In 2001, Leon was diagnosed with Parkinson’s disease, a few years later type two diabetes, and after that, congestive heart failure. He still Jeeped, had family slumber parties, went to car shows, etc., but just at a slower pace. Leon went to the ER on April 24, was admitted to ICU and within 48 hours was diagnosed with stage four lung cancer. He said “no treatment.” On April 27, he celebrated his 75th birthday in the hospital and on April 28, he went home to start a new way of life that included Hospice.

Should you care to make a donation in Leon’s memory, we suggest The Center of Hope Food Pantry, 1081 W. Main St., Ravenna, OH 44266; or Project Ed Bear, 656 Chilham Circle, Uniontown, OH 43685, or projectedbear.org, which supports and comforts pediatric cancer patients.

Please - visit www.sscfuneralhomes.com where condolences and memories may be shared.

Schedule of Events

On the calendar for upcoming meetings and activities are:

- **July (tbd) - PCARS Family Picnic**
- **July 11th - PCARS Meeting - Kent American Legion 7pm - NVIS Antennas - Cory, W3CDG**
- **July 15th - Balun build day at the club site - 9 am**
- **July 22nd - Raspberry Pi Build Day at the club site - 9 am**
- **August 5th - VE Testing at the Club Site - Starts at 10 am - Walk-Ins Welcome**
- **August 5th - ARRL Ohio Section Conference - Columbus, Oh - See hamfest Listing**
- **August 14th - PCARS Meeting - Kent American Legion 7pm**
- **August 17th - Annual Cruise-In at the Ravenna A&W 6pm**

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 |



FIELD DAY 2017 - Notes from the Newsletter Editor

This issue of **The RADIOGRAM** includes a number of Field Day related articles. **HOWEVER** - There will be even **MORE** in the August issue of the newsletter.

I have put out word that I would like to get articles from any PCARS member that was involved in Field Day - **anywhere**. Come on folks - share your stories and a few pictures, too,

Send your Field Day stories & pictures to me at KB8UUZ@portcars.org

Speaking of Photos - WOW, do we have a TON of photos from PCARS Field Day. The count is way up over 200 - with more coming in. 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**" - As I process pictures coming in, I pass them on to our web site guru, John, KD8MQ and he is posting them for all to see.

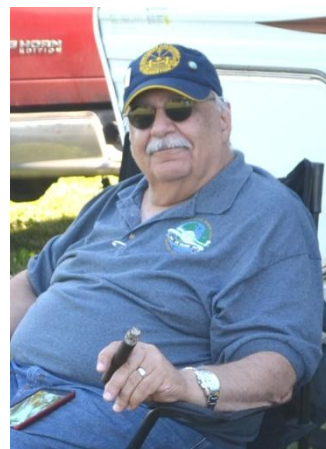
Go to: http://www.portcars.org/wp/?page_id=7388

Another place to see the PCARS pictures - along with pictures from other clubs around Ohio, is to visit the Ohio Section web site. Our ARRL Ohio Section Manager Scott, N8SY is posting pictures that he gets - and YES, I am sending him all I have (and will get) Thank you Scott!! PCARS has a lot of pictures there as well.

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

All Things FIELD DAY - 2017

Chuck, W8PT
Field Day Chairman



Well, it's history. And I am back in the land of the living.

I got home and slept for 4-1/2 hours. Am I done? Absolutely not! But I had to put in an appearance so my family would not declare me a missing person.

I want to send out a **HUGE THANK YOU** to the Field Day Staff, without whose work this event could not have happened. If I started to name names, I know I'd forget someone so I will simply say thank you!!! A tip of my hat to all the ops, loggers, antenna crew, cooks, and any others who stepped up to help make this a success.

For all those members and friends of PCARS who showed up to either to man the ops seats or logging seats, again, **THANK YOU!**

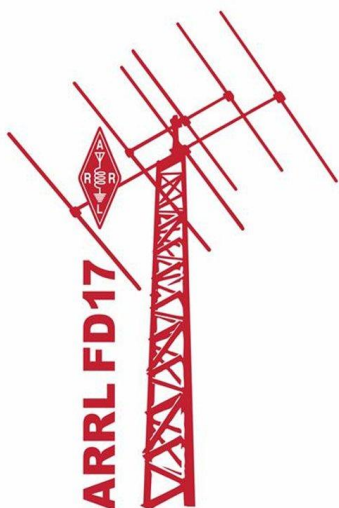
All of you made this year's Field Day a great success!

For those who did not attend, you missed a really time. All worked well and the food for the weekend was fantastic to say the least. Thank you to all the cooks. I also want to thank all those who donated the various food items, whether made from scratch or store bought. All of it was well worth the price of admission.

And I know that the Freedom Township trustees will not see this, but I want to extend my thanks to them for allowing us to take over their community park for the weekend. This is a great venue and we certainly appreciate it.

As mentioned, I am probably forgetting someone or some group and for that, I apologize, but there is simply too many to thank.

We will soon publish the raw results and see how we did against previous years. I look forward to PCARS Field Day 2018, as we start now to plan for it!



Field Day at the Flex Station

All I can say about the Flex Station this year is WOW! Flex did extremely well in all phases of Field Day. Starting off, the 'Antenna Team' concept was crucially important in getting the Flex Station antenna system up. The system consisted of a 20 m dipole up at 40 ft., an 80 m inverted-V at 36 ft., and a 40 m inverted-V at 32 ft. It turned out to be a bit more difficult to erect than I anticipated and without the help of the Antenna Team it would not have happened so huge thanks to the Antenna Team.

We were ready to go at 1400 and hit the ground running with digital Q's on 20 m. We shifted to 40 m when we realized that CW want to capitalize on 20 m and continued to do well on 40 m. Throughout the day we

operated on digital and then late afternoon shifted to CW. We shifted back to digital and early Sunday morning shifted to phone on 80m. After that, we went back to digital operations for the remainder of Field Day.

Both CW and Phone did very well in their respective time slots but the big surprise was how well we did digitally. In past years, we struggled to make 100 QSO's so my initial goal was to try to hit 150. By late afternoon we were doing so well I shifted the goal to 200 QSO's, by late evening revising again to 250 QSO's, and finally early Sunday morning making the goal 300 QSO's. We exceeded that goal by the end of Field Day.

A couple of things made that goal happen, one of which was to concentrate during daylight hours on 20 m and 40 m. Both 20 m Phone and 40 m Phone reported little to no interference and both of those bands were rich with digital contacts. Because Digital and CW ops are in the same portion of the band we had to coordinate with the CW station so we didn't interfere with them and they didn't interfere with us and that worked out quite well. The second thing that greatly contributed to the success of the Flex station was having the schedule filled ahead of time with volunteers to operate and/or log. This was a first for the Flex station and I can't tell you how much difference that made. I hope that we see the same sort of volunteering ahead of time so we can best this year's scores for Flex.

THANK YOU to all who volunteered to participate at the Flex Station, and to all of the rest of the support sections at Field Day to make it happen.

73, Rick K8CAV Flex Station Captain



Around 40 Meters

The 40M station performed well at Field Day 2017 even though the station captain Ed, K8IV literally fell asleep on the job. He slept through the smell of 10 pounds of bacon cooking on the grill, a Thunderstorm watch and a traffic stop by the Portage County Sheriff's finest. When asked about his unconscious state he reportedly said "I was just resting my eyes."

Luckily the 40M station ran like a finely tuned machine, reportedly with a line of operators wrapped around the building waiting to operate. Such a long line has not been seen since the last PCARS 50/50 raffle!

Apparently the waiting list to operate in the K8IV trailer for Field Day 2018 has already begun. If you are interested, tryouts begin next month. Please contact Ed Polack, K8IV to audition.



Amy, KD8SKL





Field Day 2017 – PCARS Best Yet!

I am proud to say that I have participated and been involved in every Field Day that PCARS has been active. We've had some great experiences, and every one seems better than the last. This years Field Day is no exception. Chuck, W8PT – has declared that this would be his last year as Field Day Chairman, and he's certainly going out on a HIGH Note! Thank you Chuck for your guidance over these last three years. You've done an **OUTSTANDING** job and raised the bar for PCARS Field Days to come.

Let's start with the weather. We couldn't have had a better weekend weather wise. Temperatures were mild. Sure, we had a little rain, but it didn't interfere with anything. A glorious weekend to be outdoors.

Propagation: for the bottom of the sunspot cycle (or close to it), the signals were good. In fact, the signals were fantastic! I operated 20 meters from 8:00 to 10:00 PM on Saturday night. When my butt hit the chair I started working Q's about 3 a minute! Then the propagation opened up!!! That actually made it worse as there were too many stations on the same frequency all at the same time. It got rather confusing. The Q rate actually slowed down a bit. That lasted about 20 minutes and then the propagation dropped back to just being fantastic and I got back to about 3 Q's a minute.

Station Captains: all of the station captains had stations that could hold their frequency and be heard for the entire weekend. All stations were manned 100% of the time and making Q's. New records were set for PCARS on 6 meters and the Flex station, too early to know about the others, Lots of Q's were made by some “hot shot” contesters and a whole lot of Q's were made by some novice contesters. So everyone had a chance to operate and add to our total score. I believe our total Q count for the weekend was near 5000!

IT Crew: Mesh Network operated flawlessly – except for the last 40 minutes or so of the operation. One of the stations inadvertently pulled the cable out of the node and caused a problem. Hopefully between the IT team, and Parky (the official log scrubber) we've got everything up to spec and will have a record breaking score to report!

Food: This is one of those things you always worry about, but it always seems to come together. Kudos to the Andrews family (including Andy) for making sure everything was taken care of, and not just “good enough” - it was all **EXCEPTIONAL!** If you went away hungry, you must have been somewhere else!

Set up and tear down: Lots of people helped out on both ends. Special thanks to Jim, AC8NT – who was up at the Club Site the Monday after, making sure that everything was put away properly and all the club stations were back and running for the next PCARS event from the club site.

Whatever your part was, large or small, thank you for making this year's PCARS Field Day an outstanding success! I personally had a lot of fun operating and just hanging out with all of my PCARS friends! It was a fantastic weekend! If I forgot to say thank you to anyone, it was just that I'm overwhelmed. Never has the term “**BIG FUN**” been so accurate a description of a PCARS event – **thanks to all who participated.**

Tom, WB8LCD





My Final..

Ok.. I got to **15** Field Day sites this year. That's a record for me. If I didn't make it to your Field Day I'm really sorry, but I'll try even harder next year to get there (**Editor's Note: Scott did make it to the PCARS Field Day site!!**). One thing that I can say for every Field Day site was the food. Wow.. operating for 24 hours really brings out the great food and camaraderie in Ham Radio for sure. Everywhere I went I was greeted with smiles, handshakes and the opportunity to share the love of this wonderful world of emergency communications.

Amateur Radio has a serious side as we just demonstrated this past weekend. What, you didn't realize that this was a practice run for when something really goes bad? It can also have a FUN side too, as I'm sure we all had this past weekend as well. So, as we go through our training and exercises, learning from the past and from those who are willing to take the time to teach us, let's remember to have FUN too! It's what keeps us alive and vibrant!

Got questions, concerns or would just like to sit and chat awhile, give me a call at (419) 512-4445 or email me at: n8sy@n8sy.com I'm available, Heck, I'll even buy the coffee!!

Scott, N8SY



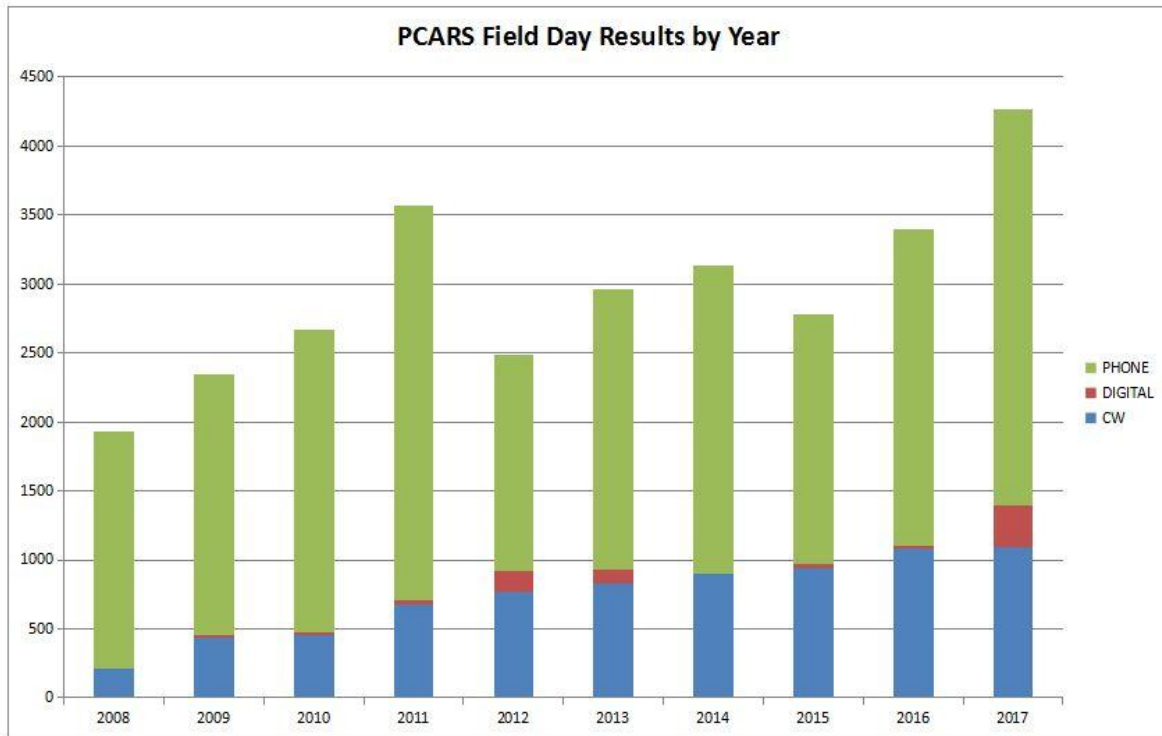
Answers to Top 10 Field Day Questions Modified slightly for the PCARS Field Day

15. Bugs.
14. Yes, I still hear the interference.
13. In the things that look like blue phone booths over there.
12. Because he knows his callsign and you don't have to tell it to him three times.
11. Hit Return.
10. What rain?
9. Try rebooting it. &^%\$# the AC plug is loose !
8. It doesn't matter. It's not up high enough to have any directivity.
7. Just say QSL.
6. Rain.
5. Yes, this frequency is in use.
4. It's on the sign right above the rig.
3. I made coffee an hour or two ago. It's good.
2. Yes, it's done in the middle.
1. **BISON-burgers.**






George, K3GP has been keeping track of how PCARS has done over the years. This graph just came in. Looks like we had an all-time new high in contacts for Field Day. Not too shabby considering we're suppose to be at the bottom of the solar cycle. George will have more to report in next month's newsletter.



Thanks goes out to the **Record Courier** for publishing information on the PCARS 2017 Field Day activities.

Special thanks to **Amanda Garrett**, a reporter for the Record Courier, who also reports on happenings around Freedom Township.

Amanda visited our Field Day site on Sunday and wrote up a really nice article about PCARS. Her article is on the following page.



Ravenna, Kent & Portage County, OH

Thursday June 22, 2017 3:07 PM

Amateur Radio 'Field Day' set for June 24-25

Published: June 20, 2017 4:00 AM

Members of the Portage County Amateur Radio Service will be participating in the national Amateur Radio Field Day exercise, June 24 and 25 at Freedom Township Park, located at S.R. 700 and Streeter Road, about two miles north of S.R. 303.

Since 1933 Ham radio operators across North America have established temporary ham radio stations in public locations during Field Day to showcase the science and skill of Amateur Radio. This event is open to the public.

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

Field Day demonstrates ham radio's ability to work reliably under any conditions from almost any location and create an independent communications network. More than 35,000 people from thousands of locations participated in Field Day in 2016.

PCARS members will have five separate stations in operation from noon on Saturday until 2 p.m. on Sunday. All stations will be interconnected with a "Mesh Network," which is a local "Internet" run on its own equipment. Stations will be communicating with other stations across North America using Morse Code, voice and digital transmission techniques.

[See also - Around Freedom]

Anyone may become a licensed Amateur Radio operator. There will be an Amateur Radio testing session available at the Field Day site on Saturday at 4 p.m.

For more information about Field Day, contact Rick Krus -- K8CAV at k8cav@portcars.org or visit www.arrl.org/what-is-ham-radio.



AROUND FREEDOM

Freedom Township was a hub for communications around the world last weekend.



AMANDA GARRETT
Around Freedom

Members of the Portage County Amateur Radio Service held their annual field day Saturday and Sunday at the Freedom Community Park on S.R. 700. Field day is a 24-hour event in which PCARS members set up state-of-the-art technology to communicate with other amateur radio enthusiasts in the U.S., Canada, and even around the world.



Portage County Amateur Radio Service members Jennifer and Andrew Williams man a station at the annual field day on Sunday.

While the field days allows PCARS members to hone their amateur radio skills and socialize —there was plenty of good food available in the park's picnic area — it also has a serious purpose in emergency preparedness, which is reflected in Ohio Gov. John Kasich's proclamation of June 24-25 as Amateur Radio Operators' Appreciation Day.

"We like to say 'when all else fails, amateur radio works'" Freedom resident and PCARS media relations manager Tom Parkinson said. "In the case of a major emergency, we as amateur radio operators can step up and help out."

When I visited on Sunday afternoon, the park had been transformed into a mobile communications center with several antennas and a large generator spread around the park grounds. PCARS members Andrew and Jennifer Williams were working to contact operators in Southern states like Alabama, Florida, and Texas, Terry Morris was busy sending out signals via Morse code, and Mike Ryan and Al Nagy were communicating via microphone.

This is the second year that the field day has been held in Freedom and Parkinson said the members are very satisfied with the location because the large amount of space and rural location give them the advantage of using their equipment to the best advantage. Last year, PCARS finished fifth overall and second in Ohio among groups in their class, and they were on course to match or exceed their 2016 numbers by Sunday afternoon.

The members were mostly communicating with others in the U.S., but they did receive international calls, including one from far-away New Zealand.

"It came through about 3 a.m.," Nagy said. "And we all about fell off our chairs."

To learn more about PCARS, visit their website at portcars.org.

Happy Fourth of July to all my readers!

Contact Amanda Garrett at
agarettsun@yahoo.com or at 330-842-4374.

Life Times

Record-Courier

FRIDAY

June 30, 2017

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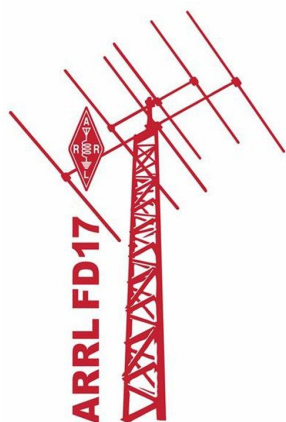


K8BF's Contest Summary Report for ARRL-FIELD-DAY 2017

Total Contacts = 4,320

Total Points = 5,768

NOTE: This is BEFORE we add on bonus points!!



Total Contacts by Band and Mode:

Band	CW	Phone	Dig	Total	%
---	--	----	---	-----	---
80	197	156	77	430	10
40	685	1,462	77	2,224	51
20	227	1,198	159	1,584	37
15	20	0	2	22	1
6	4	55	0	59	1
2	0	1	0	1	0
---	--	----	---	-----	---
Total	1,133	2,872	315	4,320	100



Total Contacts by **Logger:**

Initials	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

FCC Chairman Appoints New Enforcement Chief



From the ARRL

FCC Chairman Ajit Pai has announced that he intends to appoint Rosemary C. Harold to serve as chief of the Enforcement Bureau. Michael Carowitz, who has been serving as acting bureau chief, will become the Bureau's deputy chief. Harold is an attorney with experience within the FCC agency and in private practice; she's also a former journalist.

"This agency has a critical role to play in enforcing the law to protect consumers and support competition in the communications marketplace," Pai said "Our Enforcement Bureau has been getting back on track in recent months, and I am confident in Rosemary's ability to continue this progress."

Pai also praised Carowitz's work as acting chief. "Michael's steady hand at the helm of this important Bureau has helped us stay on task in protecting consumers and enforcing the law," he said.

The Enforcement Bureau is charged with enforcing the Communications Act, FCC rules, and various licensing terms and conditions. It also investigates instances of possible unlawful conduct involving the regulated RF spectrum.

60th Jamboree On The Air Event

From the ARRL

Boy Scouts' Jamboree on the Air Announces Theme for 60th Annual Event



"60 Years Connecting Scouts" is the theme for the Boy Scouts' 2017 Jamboree on the Air (JOTA), set for October 20-22. JOTA Coordinator Jim Wilson, K5ND, said the theme "recognizes the start of the event in 1957 and commemorates its growth in participation and in the expanding communication channels that are activated on the third weekend in October." The official JOTA patch will be available by July 19. The JOTA-JOTI (Jamboree on the Internet) patch is available now.

Wilson said JOTA's "communication channels" now include Amateur Radio on the air and via Internet-based channels, as well as many other Internet-based options including social media, ScoutLink and IRC chat services, Skype, and more.

"It also recognizes the goal of the event — connecting Scouts so that they can engage in conversations with other Scouts across town and around the world," Wilson said. "This allows them to discover geographic and cultural differences and similarities. Plus, they are exposed to the technology that makes all this happen."

The World JOTA-JOTI Team said it would announce "a number of weekend activities supporting the 2017 theme."

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.

Happy Birthday PCARS Members

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

KD8QEI	Valeri
W8PT	Chuck
AC8QG	Nicholas
N8FTP	Larry
W6VM	Steven
KB8JFF	Dick
N4PKW	Rod

WB9LBI	Bill
N8HUC	Karen
KD8QEJ	John
G0BPS	Dick
AB8IE	Ken
N8QZ	Paul
KD8EPA	Dan



JT-65 is FUN - Part 3

Deron, N8XTH



What originally was my first idea for a column about JT65 ended up being my shortest and final one. The previous two months I wrote about the basics of operating JT65 with some of the bells and whistles available on that HF digital mode.

This final column presents an idea that is usable with just about every digital mode and really only limited by your imagination and technical knowledge.

My free time to sit in front of a rig in the shack and operate is extremely, extremely limited. As much as I love it, many nights after work I have a hard time justifying it. Somehow my being the good samaritan (meaning free hihi) helping a few family friends fix their computers on occasion led to a good idea. Rather than running over to their house or making them bring me their computer, I started using TeamViewer at the suggestion of a friend. TeamViewer is a remote desktop application that is free to use for non-commercial applications.

After starting to play with JT65 an idea hit me, can I use TeamViewer to get on the air from somewhere other than my shack? Absolutely! It works very well, too.

I know some people have higher end rigs that have manufacturer designed remote software and integrated USB ports and/or network ports. My trusty old IC-706 has none of the above.

By using a mix of TeamViewer, JT65HF, and an older version of Ham Radio Deluxe, I'm able to get on the air from anywhere and have virtually complete control of my rig minus a few settings for free. Setting up TeamViewer is so easy that it's not even worth the newsletter space. Download it on both computers. Create a login and you're in business.

Here's how it works. I log in to my PC in my shack with TeamViewer from my laptop. From there I open up HRD and JT65HF. HRD allows me to control my rig's band/frequency, a few basic menu settings and keep an eye on what it's doing. With a few tweaks to TeamViewer and my PC's soundcard settings, I can live stream the TX and RX with ease. From there I can use JT65HF or my software of choice just like I'm sitting in front of the radio.

I've worked literally hundreds of other stations from my recliner in my living room or while working on other projects around the house or wherever my laptop takes me. Though I've not done it too many times, for fun I got on the air during my lunch break a few times and another time while giving a final exam.

Call me paranoid but given the limited controls of Ham Radio Deluxe and my 706, I'm not real trusting of my setup if something goes wrong. There is no master kill switch in the program. I need to be able to get to my rig or have someone else be able to shut things down quickly. Also, you can only see limited data about the radio. To counter this, I set up a webcam in front of my rig so I can see the LCD and SWR meter. Not perfect but it works. I can be back in my shack within minutes if something goes wrong. It's a decent, and free, compromise allowing me to get on the air more frequently.

If TeamViewer is not to your liking, there are multiple other secure remote desktop alternatives out there that are free or very cheap per month. A simple web search will yield many options.

While I know this isn't earth shattering information for many of you, for some (like me) this opened up a whole new world. I've been watching the bands and have made QSOs while vacuuming, painting, grading papers, watching the game or even sitting at my workbench in the basement soldering a few connectors on.

Not everything with ham radio needs to be complicated or expensive. This is neither. It's free, it's simple, and helps me get on the air more often. What more can you ask for?

While I'm no expert, feel free to contact me at N8XTH@portcars.org.

Jim, KC8PD

**Radio Officer, Portage County
Communications Unit/RACES**



After eleven and a half years it is time for the monthly EmComm column to sign off.

Over the past few years, personal circumstances have limited my participation in our many local EmComm and public service meetings, events and training. I am really grateful to folks like Mike, KD8FLZ, who had taken over as the ARES® of Portage County Emergency Coordinator and his efforts in maintaining net operations as well as coordinating and planning numerous public service events. The same thanks to Rick, K8CAV, for picking up leadership for a variety of ARES® events.

More thanks to both Mike and especially Rick as Deputy Radio Officers for the Portage County EMA's Communications Unit/RACES for stepping up and assuming leadership of the CU. With assistance from Steve, K8SRR, they kept continuity in operations and training.

Being away from the action also has proved to be a real limitation on my ability to have fresh ideas for column materials and, quite candidly, I had not been keeping up on EmComm developments in Ohio and around the country the way I used to.

I really did not want to get to this point but I need to step away from the column and keep focused on some other more personal and important issues.

I hope that over all those years people have actually been reading the column and getting a benefit from it. The hams who write the columns don't get much feedback from the readers but to all of you who have read and it enjoyed it or learned from it.

To all of you, please continue to support our local EmComm and public service activities and to be an active volunteer. It is an important part of our hobby and a valuable service we provide to the public.

From the heart - 73, Jim, KC8PD



How to Copy CW in Your Head

Dan, KB6NU



The second most common question that I get about CW is, “How do I learn to copy in my head?” When I get this question, I give, what to some, is a very unsatisfying answer. One day, I just went cold turkey. I put down the pencil and paper and never copied letter-by-letter ever again.

Carlo Consoli, IK0YGI, author of *Zen and the Art of Radiotelegraphy* (http://www.qsl.net/ik0ygi/enu/ZART_r20101008m.pdf), says that what operators need to do is to program themselves to copy in their heads. He counsels operators to practice relaxation and visualization exercises. Visualize yourself as a high-speed operator, and maybe one day you will be one.

This approach seems to have worked for Consoli. He is a member of the Very High Speed Club (VHSC), First Class Operator’s Club (FOC), and has been clocked at copying over 70 wpm. I’m not sure that this is really going to work for everyone, though.

Another approach is touted by Carl, N7AGK. On his website, Carl writes, “I have created a program to assist you in learning to copy Morse code in your head. Everything you need will be contained on a single USB flashdrive that I will provide to you. In the program there are audio Morse code presentations followed by a visual display. The visual display shows the information in large print and upper case letters. The visual display verifies that you have received the Morse code correctly.” Carl’s program costs \$20 and is available from www.n7agk.com.

Zeb, HB9FXW, has created a free web application called Seiuchy (<http://www.kb6nu.com/let-walrus-help-copy-head/>) to help people learn head copying. Seiuchy, which Zeb says is Japanese for walrus, simulates on-air contacts. The trick to using this app is that instead of copying exactly what’s sent, you only copy the most important bit of information. The idea is that if you train yourself to do this, then you can concentrate on what’s important rather than getting bogged down in copying what’s not important.

A different take on head copy was sent in by one of my blog readers, Bill, W3MSH. He wrote, “I was a CW op for many years and discovered something fascinating. I first began to hear “dots and dashes”, then letters, words, sentences and at 35+ wpm, thoughts in my head.”

I think Bill may have hit the nail on the head with this comment. I like the idea that copying code in your head is more akin to generating thoughts than it is to copying individual characters or words. Everybody talks about how getting faster is about moving from copying individual characters to copying words to copying entire sentences. I’ve never thought of it that way, although I was at a loss as to how to describe how I do it. I think the idea that when copying in your head, the code creates thoughts directly is a beautiful way to put it.

Isn’t that what’s happening when you talk to someone? When someone talks to me, I don’t consciously parse the sentences and then analyze them to see what was just said. It’s more of an unconscious process. The sounds being uttered are creating ideas in my head.

Shouldn’t we approach head copy in the same way? Instead of thinking about head copy as the process of writing down the characters on an internal blackboard to be read later, it should be about translating the sound of the Morse Code directly into concepts. The sounds “dah di dit...dah dah dah....dah dah dit,” should conjure up the image of a poodle or a pitbull, not the letters “D O G.”

How that translates into a program or a method for learning to copy the code in one’s head is another matter. It might be worth thinking about, though.

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 KB6NU.Com

Charlie the Tuner's HF High-Lites

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



Summer is definitely here and the hot WX coupled with heavy rain is now the norm. There are not a lot of real DXCC entities that are scheduled to be on the air. Since the RSGB IOTA contest will be on at the end of July, there will be many, many islands on so if you are an island chaser, this is your month to score big.

However, there will be a few hard to get DX entities to work. Give a listen and see if you can work them. And I know that Tim Duffy, K3LR, doesn't need one of these, but if you have only two operating positions and are using a 5 band Hex beam, you cobble up a pentaplexer. That's a new one on me, but... Why Not?!! Check out the report on Luxembourg to see what they are up to.

I continue to be indebted to 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"**.

13 COLONIES (Special Event). Once again the annual (the 9th) "13 Colonies Special Event" will take place between 1300z, July 1st and 0400z July 7th. The certificate is printed on heavy card stock. Stations working one state or, as many as all 15, will be eligible for the certificate. A "Clean Sweep" indicator will be affixed for those lucky enough to "Q" all 15. A special endorsement will be attached for stations contacting their sister operation, WM3PEN, in Philadelphia, PA, where independence was declared. New since 2015, the 13 Colonies have added a second sister event station. GB13COL will operate from Durham, England. The 13 Colonies certificate will have a Liberty Bell added for a contact with WM3PEN. They will also offer a special QSL card printed just for this event. There should be at least two stations from each on the 13 colonies on the air, as well as Super contest stations, multi-operator Club stations and OM and XYL teams. The U.S. original 13 colonies are CT-DE- GA-MA-MD-NC-NH-NJ-NY-PA-RI-SC-VA. Special events stations mentioned are: K2A (NY), K2B (VA), K2C (RI), K2D (CT), K2E (DE), K2F (MD), K2G (GA), K2H (MA), K2I (NJ), K2J (NC), K2K (NH), K2L (SC), and K2M (PA). All HF bands will be in play, including the WARC bands, with the exception of 60 meters. 2 meters and 6 meter simplex are encouraged. All modes of operation should be represented - SSB, CW, RTTY, Digital, and the Satellites. The mode of operation is up to the individual colony state station. For more details on the stations, suggested frequencies, QSL info and on how to obtain the special certificate, see: <http://www.13colonies.info> **NOTE:** There has been in the past, stations identifying themselves as one of the 13 Colonies but are actually pirates. So it is suggested that you ask for the ops home call and then check QRZ.com or the 13 Colonies web site to verify the contact.

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

3W, VIETNAM. Megumu, JA6QGF, is now active as 3W9A from Ho Chi Minh City. His length of stay is currently unknown. Activity has been on 17 and 6 meters SSB. QSL via his home call sign.

4V1, HAITI. By the time you read this, operators Chris/W3CMP and Dale/N3BNA active as 4V1G from Radio Club D'Haïti in Port-au-Prince until July 6. Activity on the 6 and 4 meter bands. QSL via W3HNK.

8Q, MALDIVES. John, G4IRN, will be active as 8Q7RN from Kuredu Beach Resort (north side of the island) in the Maldiv Islands (AS-013) until July 6th. Activity will be holiday style using a Yaesu FT-857 and some wires. He states, "Most likely mode/bands is CW on 30, 20 and 17m." QSL via his home call sign, ClubLog's OQRS or LoTW. For updates, see: <http://g4irn.com/maldives-operation-8q7rn-from-26-june-2017>

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 be active from Tonga. This time he will activate Niuatoputapu Is. (OC-191) at the very small northern end of Tongan territory and will be signing as A35JP/P between August 17-22. Ops will be on 80-6 m 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>

AS-125. Members of the Thailand Contest and DX Association (HSCDA) will be active as E2T from Chang Island during the RSGB IOTA Contest (July 29-30th) as a Multi-1/Island-DXpedition entry. Operators mentioned are Tony/E21IZC, Capitan/HS7UCQ and Tana/ E27EK. QSL via direct or LoTW.

CP, BOLIVIA. Antonio, EA5RM, will be working as a NGO volunteer in Bolivia from June 28th to August 14th, 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 to be 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: Aug 7-16 -- from Aitutaki Island (OC-083) Aug 16-25 -- from Rarotonga Island (OC-013) Activity will be holiday style on various HF bands using a K3 into a home-made vertical (20m). QSL via his home callsign.

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 a500W station (K3+KPA500+KAT500) with a vertical folded monopole. QSL via M0OXO or OQRS. More details are available on QRZ.com.

EU-123. Gordon, MM0GOR, will be active as MM1E from **Great Cumbrae Island** during the RSGB IOTA Contest (July 29-30th) as a Single-Op/All-Bands/SSB-Mode/DXpedition entry. QSL via MM1E or LoTW.

FP, ST. PIERRE & MIQUELON (Reminder/Update). Eric, KV1J, will once again be operating from the Island of Miquelon (NA-032, DIFO FP-002 WLOTA 1417, Grid GN17) as FP/KV1J between July 4-18th. Activity will be on 80-10 meters using CW, SSB, RTTY (but primarily SSB and RTTY) and the satellites. He will generally be on the highest frequency band that is open (favoring 12/10m). He will be active in the IARU HF Contest (July 8-9th), NA QSO Party-RTTY (July 15-16th) and the CQ VHF Contest [6M only] (July 15-16th). ADDED NOTE: Eric, reported this week, "I will try to be on as many Satellite passes as I can when the WX is good. I am in a new (new to me) apartment and not sure which way the windows face. It is either west or north. If they face west, I can try some passes when it get dark or the WX is not good. Otherwise, I will be outside with my pair of FT817s and an Arrow antenna. Generally favoring the FO-29, AO-7, and XW-2* birds. Weekends may be limited since I will concentrating on the low(er) band and contests. QSL via KV1J, direct or by the Bureau. Also eQSL and LoTW. For more details and updates, check out his Web page at: <http://www.kv1j.com/fp/July17.html> PLEASE NOTE: Eric mentions, "I will also be on the analog Satellites when the WX is good enough to operate from outside."

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 24th and 26th, and again August 21st and 23rd; watch for him on 14205 kHz between 0330z and 0800z; and again at 0545z around 14235 kHz; this time he will be 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 between 1530z and 2000Z

QSL all operations via his home call sign WW6RG. He does not use LoTW or eQSL.

JD1, MINAMI TORISHIMA. Take, JG8NQJ, will once again be active as JG8NQJ/JD1 from Marcus Island in the Minami Torishima (OC-073, JCG 10007) group between mid-May and mid-July. He is usually there to work on the island's weather station. Activity will be limited to his spare time. He will be mainly on 17 meters but will also on 20/15/12/10/6 meters using CW and RTTY. QSL via JA8CJY or by the Bureau via JG8NQJ.

LX, LUXEMBOURG. In prep for future DXpeditions, Johannes/PA5X (also C91PA) and Gerben/PG5M will be testing their two-station set up when operating LX/homecall between July 6-9. Operations will be on 160-10 meters using CW, SSB and JT65. Lots of equipment has been selected which needs to be tested in real conditions. A set of BPF's have been constructed for 9 bands; a pentaplexer will be used in combination with a 5-band Hexbeam and vertical antennas for 30-40-80-(160) meters and fiber poles of 12, 15 and 17 m. Radios are IC-7300 and K3 with an ACOM and SPE 1.3K (if delivered in time) amplifier. A certain amount of station automation will also be set up and tested. They are looking forward to working you. QSL via their respective home callsigns. Further QSL information and an online log search can be found on: <http://www.dx.to>

OZ17, DENMARK. A big Scout Jamboree will take place near the town of Sonderborg in Denmark July 22-30. The Scout Jamboree - special callsign OZ17SJ. QSL Manager is Allis, OZ1ACB, by the Bureau or direct. QSL via LoTW, eQSL or Clublog's OQRS. Please NO IRCs. It is almost impossible to change them to stamps. They prefer NOT to receive paper QSL cards, so please use Clublog's OQRS. Direct QSL card will cost 3.00 USDs and Paypal can also be used. See more details at: <https://qrz.com/db/oz17sj>

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.

VR20, HONG KONG (Special Event). Brett, VR2BG, Treasurer of the HRSA, just found out that the Hongkong Radio Sports Association's (HRSA) requests to allow VR2s to sign VR20 (VR-two-zero) from July 1st, 2017, to June 30th, 2018, to commemorate the 20th anniversary of the HK Special Administrative Region of the People's Republic of China, has been approved by their telecommunications authority. See the following URL for details: https://www.itu.int/dms_pub/itu-t/opb/sp/T-SP-OB.1116-2017-OAS-PDF-E.pdf

XW, LAOS. Bruce, 3W3B (HS0ZCY/XU7ADF/XW1B/AA4XR), who lives in Da Nang, will once again be active as XW4XR from Vientiane between July 3-14th. Activity will be on 40-10 meters (possibly 6m) using CW, RTTY and JT65. QSL via E21EIC and LoTW.

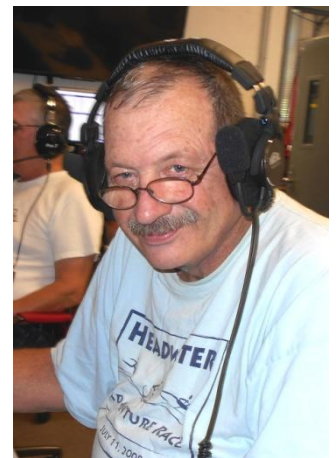
YJ, VANUATU (Update). Geoff, ZL3GA, active as YJ0GA from the Benjor Beach Club on Efate Island (OC-035) between July 6-13. Activity will be on the beach from an oceanfront villa. Op s will be holiday style on 40-10 m using a FT-450D and a AL811H amp (which should improve the signals). He will also have a CrankIR and an End Fed Half Wave vertical. I will also do more RTTY this time (and JT65 if condx really get bad!)." Geoff will operate in the IARU HF Championship Contest (July 8-9th) as a Single-Op/ Mixed-Mode/High-Power entry. Operations outside of the contest will be on CW, SSB, RTTY and JT65. QSL via his home call sign, direct, by the Bureau, ClubLog's OQRS or LoTW (preferred).

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

Linux for Hams Special Interest Group

Terry, KB8AMZ

Next meeting will be 29AUG2017 at the PCARS Clubhouse at 1900. This will be the 3rd SIG for the year with one remaining. Topics include Raspberry Pi, TNC-Pi, etc. Any questions can be directed to Terry Morris, KB8AMZ or Mike Ryan, KB8TUY through PCARS email system.

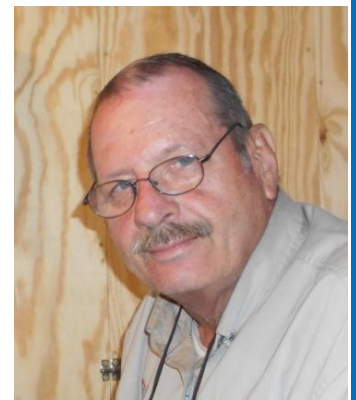


QRP & CW Special Interest Group

Terry, KB8AMZ

CW/QRP SIG - 11JUL2017 - Tuesday

Continue CW training. Show a homemade straight key. Open at 1845, begin SIG training at 1900.



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 !!



July	
6	WB8LCD
13	N8QE
20	K8CAV
27	KD8SKL

August	
3	KA8TOA
10	KB8UHN
17	AC8NT
24	NR8W
31	K8IV

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 8:00PM 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.

Echo-Link Update

Jim, AC8NT and Rick, K8CAV have been doing an excellent job of getting the PCARS Radio Lab into usable condition and configuration. It's taken some time (Let me mention here: PCARS is an all volunteer organization – things go a lot faster if you come out to help!) but it's been moving in a positive direction and closing in on completion. When it's done it will be a very nice place to work on a project if you don't have room for it at home. Part of that process has been updating the Echo-Link equipment, there are some software upgrades going on, and, it looks like a new 2 meter radio for the Echo-Link connection might be in order. It's been quite awhile, but, I assure you, Echo-Link will be operational very soon! Hang in there.



Digital Special Interest Group

Rick, K8CAV

Due to the July 4th Holiday, the Digital Special Interest Group meeting for July 4th is cancelled. The next meeting will be on Tuesday August 1st at 7:00 PM at the club site. We'll talk about digital ops at Filed Day and will also be available to help with any digital questions or issues you may have.



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



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



Generator Safety

David, WA3EZN
Ohio ARRL Section Traffic Manager



If you are going into the field and away from commercial power for field day (or any other in-field activity) it is now time to check out the generator and review its use. Safety should be your number one priority.

I am sure that owning an electrical generator must be appealing to anyone who plans on being prepared for emergencies or part of an emergency response team. To us being able to generate electricity means we will be able to remain on the air for Field Day, during blackouts or at the scene of any emergency or disaster. But are we thinking about safety when we set up and use the generators.



Here are some basics regarding generators. But the first thing to do is read the instruction booklet or manual that came with the generator. If the manual is lost or missing, contact the generator's manufacturer for another manual.

The correct way to use a generator is to connect a heavy-duty, outdoor-rated power cord to the generator. Radios and appliances can then be connected to the power cord. Make sure that the outdoor-rated power cord has a sufficient wire gauge to handle the electrical load.

Don't overload the generator. All generators have a power rating. They should be used only when necessary and only to power a limited number of appliances or equipment. The total wattage used by the appliances should be less than the output rating of the generator. If you put too many appliances on the generator, it could seriously damage the appliances, radios and electronics. Overloading the generator could also cause fires in the over heated power cord. A generator should be sized to handle twice the expected load.

While each type of generator has safety issues they all have certain things in common. One thing most generators have in common is that the electricity generated needs to be conducted through wires to receptacles and radios. On field day it is more likely that the generator will be exposed to layman not used to working with generators and long extension cords. Consequently they can be exposed or involved in trips and falls over the electrical extension cords. Animals, children or adults who behave like children in the same space as your generator or wiring can quickly make a bad situation worse and you must be prepared for this in your plans. Extension cords on wet ground are a shock hazard, as is operating a generator with wet hands or when you are wet. It is always a shame to lose good people to preventable accidents so don't take chances.



Fuel and fire safety is a must. Have a fire extinguisher handy and the fuel stored a safe distance from the generator. The area should be mowed at least for a 20-foot diameter. Fuel must be stored in a separate area as well as the fire extinguisher in an accessible convenient place away from the generator area. **NEVER REFUEL A GENERATOR WHEN IT IS RUNNING.**

Most generators produce heat. This can be a resource or a liability depending on how you manage it. You could cook on the exhaust manifold it is so hot or the same could become an ignition source for leaking fuel or nearby combustibles.

Care must be taken to prevent burns to anyone in the area and also to prevent a fire while refueling the generator. It would be advisable to have an inspected fire extinguisher on hand just in case a fire would start.



I encourage you to practice proper poison prevention safety by learning the signs of carbon monoxide poisoning. An odorless, tasteless, gas that is a by-product of the combustion of just about any fuel, Carbon Monoxide (CO) is poisonous if it is not vented properly and if allowed to accumulate without sufficient oxygen in a confined area like a tent. Do you know the symptoms of CO poisoning? Symptoms in people include headache, dizziness, nausea, vomiting, irregular breathing, feeling tired or ill in a confined area like a tent or building and finally loss of consciousness and respiratory failure but felt fine away from the confined area. A generator should never be used indoors or in a confined area.

The surest way to know if there is carbon monoxide in the area is to use a Carbon Monoxide detector. If you smell exhaust fumes or suspect CO poisoning leave the building or area immediately, get to fresh air and call 911 for assistance.

Grounding is a difficult issue when using generators. For single-generator operation, powering a couple of station locations, there may not be any benefit in grounding. Making sure your generator has a good earth ground may help to avoid electrical shocks. Check the generator owner's manual for correct grounding information. With large distribution systems, grounding of the generator is best with at least an 8-foot ground rod and standard NEC procedures must be followed. Check this article on the Ohio website for a picture of how not to ground the generator.

Other considerations are placement for access, noise abatement, distribution of the feed cables and grounding if necessary.

GFI systems generally don't perform well in field operations due to long feed runs and ground loops with the various end locations. If your generator has a GFI you may have Ground Fault issues. Many small generator units are the inverter type and although efficient and light they can create a large amount of inverter hash that raises your HF noise floor to an unacceptable level. A brushless generator is best.

FINAL TIPS BUT WORTH REPEATING

Many generator parts are hot enough to burn you during operation. Stay away from the muffler and other hot areas. Keep children away from portable electric generators and their electrical connections and fuel at all times. Read the instruction booklet or owner's manual that came with the generator. Also check the generator owner's manual for correct grounding information.

Grounding the antenna feed for lightning is a much more sensible option with the possible cessation of operation during storms. That means disconnecting and sitting inside the car.



Additional Resources:

<http://www.ar1.org/files/file/QST%20Binaries/QS0608Kleinschmidt.pdf>
<http://www.popularmechanics.com/home/how-to/a3603/how-to-buy-a-backup-generator/>
<http://www.ar1.org/electrical-safety>
https://www.osha.gov/OshDoc/data/HurricaneFacts/grounding_port_generator.pdf
<http://www.ar1.org/files/file/Technology/tis/info/pdf/Lab%20NotesFieldDay.pdf>
<http://www.hamuniverse.com/emergencygenerators.html>
<http://www.redcross.org/get-help/prepare-for-emergencies/types-of-emergencies/power-outage/safe-generator-use#What-size-generator-will-I-need->
<http://www.nsc.org/NSCDocuments/Advocacy/Fact%20Sheets/Portable-Generator-Safety-Tips.pdf>
<https://www.fema.gov/news-release/2006/03/18/important-tips-ensure-safety-when-using-generators>

You can view the Section Traffic Manager's monthly report on the website.. <http://ar1-ohio.org/stm/stm.html>

Contest Calendar

July 2017		
Contest Name	Click for more info	Times - Date
RAC Canada Day Contest	Click Here	0000Z-2359Z, Jul 1
DL-DX RTTY Contest	Click Here	1100Z, Jul 1 to 1059Z, Jul 2
Marconi Memorial HF Contest	Click Here	1400Z, Jul 1 to 1400Z, Jul 2
IARU HF World Championship	Click Here	1200Z, Jul 8 to 1200Z, Jul 9
CQ Worldwide VHF Contest	Click Here	1800Z, Jul 15 to 2100Z, Jul 16
North American QSO Party, RTTY	Click Here	1800Z, Jul 15 to 0600Z, Jul 16
RSGB IOTA Contest	Click Here	1200Z, Jul 29 to 1200Z, Jul 30

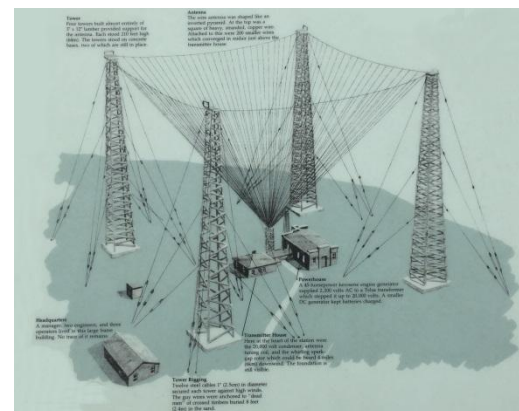
Google the Contest Name - Read the Rules & Have Fun. YES - There are **MANY** More Contests out there - Check the Internet

The Marconi Memorial HF CW Contest is July 1, 2017 at 1400 UTC to July 2, 1359 UTC. The contest "commemorates the second century of Radio and its father: Guglielmo Marconi." This picture, taken at the Marconi site on Cape Cod, depicts the umbrella-like antenna that was used for trans-Atlantic traffic. The towers were constructed of 3" by 12" lumber, and were 210 feet high.



Marconi Memorial HF Contest, Jul 1, 1400z to Jul 2, 1400z; CW; Bands: 160, 80, 40, 20, 15, 10m; RST + Serial No.; Logs due: July 16.

http://www.arifano.it/contest_marconi.html

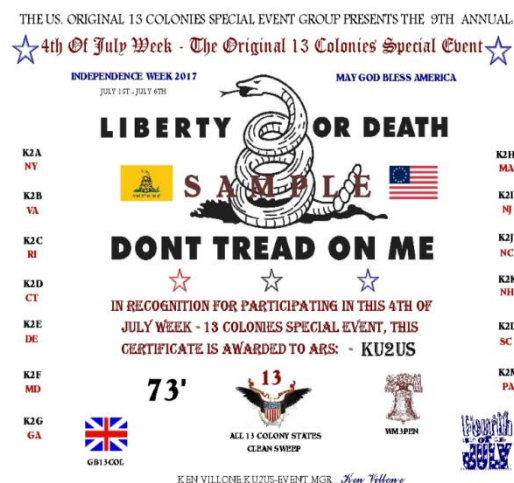


13 Colonies 9th Annual Special Event

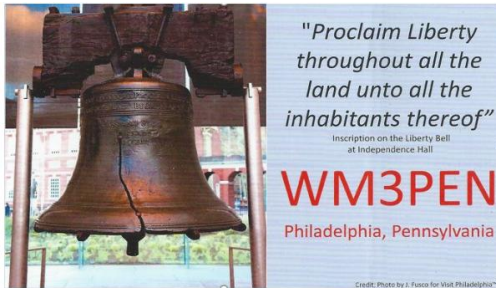
Once again the annual (the 9th) "13 Colonies Special Event" will take place between 1300z, July 1st and 0400z July 7th.

The certificate is printed on heavy card stock. Stations working one state or, as many as all 15, will be eligible for the certificate. A "Clean Sweep" indicator will be affixed for those lucky enough to "Q" all 15. A special endorsement will be attached for stations contacting their sister operation, WM3PEN, in Philadelphia, PA, where independence was declared. New since 2015, the 13 Colonies have added a second sister event station. GB13COL will operate from Durham, England. The 13 Colonies certificate will have a Liberty Bell added for a contact with WM3PEN.

They will also offer a special QSL card printed just for this event. There should be at least two stations from



each on the 13 colonies on the air, as well as Super contest stations, multi-operator Club stations and OM and XYL teams.



The U.S. original 13 colonies are CT-DE-GA-MA-MD-NC-NH-NJ-NY-PA-RI-SC-VA. Special events stations mentioned are: K2A (NY), K2B (VA), K2C (RI), K2D (CT), K2E (DE), K2F (MD), K2G (GA), K2H (MA), K2I (NJ), K2J (NC), K2K (NH), K2L (SC), and K2M (PA). All HF bands will be in play,

including the WARC bands, with the exception of 60 meters. 2 meters and 6 meter simplex are encouraged. All modes of operation should be represented - SSB, CW, RTTY, Digital, and the Satellites. The mode of operation is up to the individual colony state station.



For more details on the stations, suggested frequencies, QSL info and on how to obtain the special certificate, see: <http://www.13colonies.info>

NOTE: There has been in the past, stations identifying themselves as one of the 13 Colonies but are actually pirates. So it is suggested that you ask for the ops home call and then check QRZ.com or the 13 Colonies web site to verify the contact.

Hamvention® 2017 Attendance

Hamvention Reports Second-Largest Attendance Ever for 2017 Show

The tally is in, and Hamvention® 2017, at its new venue in Xenia, Ohio, attracted **29,296** attendees, official spokesperson Mike Kalter, W8CI, told ARRL. That is the second-largest reported attendance in the history of the event. Hamvention attendance peaked in 1993 at 33,669, before the 1996 change in date from April to May while it was still being held at Hara Arena. Attendance in 2016 for the show's final year at Hara was 25,364. Hamvention relocated to the Greene County Fairgrounds and Expo Center this year, after Hara Arena announced last summer that it was closing. Hamvention General Chair Ron Cramer, KD8ENJ, called 2017 "a most successful year."



"We knew this would be a big year but this was even beyond our expectations," Cramer said. "The challenge was great to reinvent Hamvention® at a new venue in a very short time period. From all the e-mails, letters, and calls I have received over the last few weeks, we have accomplished it successfully." Cramer expressed appreciation for all constructive criticisms and said each idea is being evaluated. Held May 19-21, Hamvention 2017 has received largely positive reviews, despite traffic problems on opening day and heavy rain during the weekend.

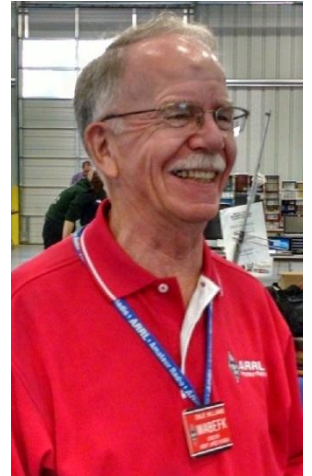
"We all recognize the traffic, rain, mud, and parking issues, but part of those issues were corrected even before show weekend was over," Cramer said. "Other issues are being worked on already for next year's show." He and Kalter said the Hamvention Committee has joined Greene County, municipal officials, and the Greene County Fairgrounds and Expo Center Advisory Board in addressing improvements for 2018. Kalter and Cramer also thanked the 657 volunteers who put in long hours to make Hamvention 2017 a reality. The Dayton Amateur Radio Association (DARA) sponsors Hamvention.

"We can't control the rain but we promise there will not be some of the other issues next year," Cramer said. "There may even be some new surprises in store," he added, pointing out that Hamvention has 3 more months to plan for the 2018 event than it did for this year's.

"We thank all who came to the show this first year in Greene County and hope to see you again next year," Cramer concluded. "For those that thought they would wait and see how we did, sorry you missed the show but look forward to seeing you next year. Our rough edges will be smoothed out for you by then."

News from the ARRL Great Lakes Division

Dale, WA8EFK
Director - ARRL Great Lake Division



Greetings everyone, welcome to "Dale's Tales" for July 2017.

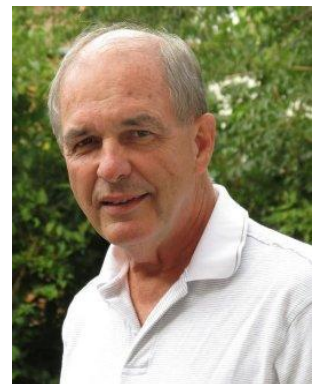
I have always felt that radio clubs are the life blood of Amateur Radio. They are the go-to resource for getting started in the hobby. They are the go-to resource for help with antennas. They are the go-to resource for help with rig problems. They are the go-to resource for learning how to be a good operator and for absolutely everything one needs to be a ham. Triggered by Tom Delaney's reference to clubs that follows in his commentary, I did some research to see how the Great Lakes Division was doing in its efforts to generate more interest in ARRL Affiliation for our local radio clubs. I find that in the past 12 months, we have had more 8 radio clubs join the ranks of ARRL Affiliation. Congratulations to all.

For the clubs themselves, affiliation with ARRL offers some nice benefits: Referrals of new area hams as potential club members, Mailing Lists for special mailings and advertising hamfests, Club Commission program for recruiting new ARRL members, Club Liability insurance, Ham Equipment insurance, assistance with filing for club Licenses, Club E-mail forwarding service as well as a number of others free services to clubs. And, importantly, the cost to a club for ARRL Affiliation is only the time you take to complete the on-line application. ARRL is also a frequent contributor of prizes for our Affiliated Club's hamfests. If your club is not already affiliated, please consider it.

By the way, if YOU personally are not affiliated, not an ARRL member, please consider joining. Your benefits are great as well: our journal QST, Members-only Web Services (this include Digital QST, Access to the QST Archives, free e-newsletters, Product Review Archives, E-Mail forwarding Service and the ARRL Member Directory). Plus members have access to the Technical Information Service, Member Discounts, Ham Radio Insurance Plans, ARRL Visa Signature Card, Outgoing QSL Service, Operating Awards, to name a few. Plus your continued support advocates for Amateur Radio locally, nationally and world-wide. Thanks.

Comments from our ARRL Great Lake Division Vice Director Tom, W8WTD

June's big event is always Field Day. Hope you had fun! The essence of Field Day is working together. Yes, there are lots of other great things that happen on Field Day, but the teamwork and cooperation are the best. You didn't get your start in ham radio without someone telling you about it, or showing you how it works. Now that may not have happened at Field Day, but it often is a good starting point. Some people get



their licenses by going it alone, working the books exclusively. Many, though, find that classes, or at the very least, an understanding ham who is willing to explain the harder parts, make passing that test an easier task.

Some people who get their license on their own don't know what to do next, and don't know who to turn to. Those who worked with a club may find someone who will show them how to get a station set up.

And operating? A few people at Field Day like to be by themselves. But often, logging for someone, or having someone log for you while you make contacts, is an enjoyable experience. In between contacts you talk about band conditions, antennas, stations you've worked... and you learn something, both about ham radio and also about that other individual.

Young people are particularly enthusiastic about Field Day. The thrill of making more contacts in an hour than they've (probably) made in a month really gets to them. And they learn about propagation, antennas, and all sorts of other stuff.

So Field Day is a good measure of what it means to be a ham. Not everyone wants to go outside in less than ideal conditions and struggle over putting an antenna up where it doesn't want to go. But whatever you did on Field Day, or in Field Days past, you probably learned something else about ham radio, and maybe even passed along some of the things you learned.

Field Day comes along once a year. But the teamwork can persist into the next club meeting, the next class, or the next opportunity to help a new ham. Take what you've learned, and pass it on.

GREAT LAKES HAMCON UPDATE:

Announcing Carole Perry, WB2MGP will be hosting her well received Youth Forum at HamCon. In addition we have scheduled forums for DX, Fox hunting - complete with a fox hunt, QRP Operating, Radio Propagation, Kit Building Techniques for Success, a One-Day Tech Class with FCC License Testing and the ARRL Members' Forum. The Ohio Section will also host a special ceremony for new inductees into the Royal Order of the Wouff Hong and the Toledo Mobile Radio Assn. will hold a presentation on their recent activations of Museum Ships.



As we get closer to the fall, your Section Manager's bulletins will carry more complete information as well as what appears in Dale's Tales. HamCon Tickets are now on sale along with camping reservations. Check the web pages at <http://glhamcon.org/>.



PCARS K8BF

The Club that puts the FUN in Ham Radio!



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

07/09 - 20/9 Radio Club Hamfest, Computer & Electronics Show - Location: Austintown Senior Center, 112 Westchester Drive, Austintown, OH - Website: <http://20over9.org> - Sponsor: 20/9 Radio Club, Inc. - Public Contact: Dotti ONeil-Meleski KC8SYF, 17520 Denver Drive Lake Milton, OH 44429 - Phone: 330-651-8420 - Email: hamfest@20over9.org

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

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: Antennas, Tower, and Radios plus other stuff

Cushcraft Model XM-520 20 Meter 5 El Beam, \$100 Kenwood TH-22AT 2 Mtr HT \$25
Kenwood SP-430 Speaker \$25 Nye Viking MBI-001 Tuner \$100 Hy-Gain 6 Meter beam \$100
KENT Iambic Paddle model TP-1B \$60 Code Key McElroy Streamkey Model 200 \$25
AEA model QT-1 Antenna tuner \$25 Radio Shack HTX-202 2 meter \$25
Astron Model RS-20M Power Supply \$50 Astron Model VS-35M Power Supply \$75
Pyramid PS-25 Power Supply model \$50 Swan SWR-1A SWR/ Pwr Meter \$10
Andrew F4PNMV2-HC N Male connector \$10ea Hy-Gain HG-52SS tower, Good Condition \$500
Cushcraft X-7 Tri band beam \$300 Hy-Gain Ham IV Rotor \$400

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

Contact: Al, AB8AA at 330-207-3296 or ab8aa@arrl.net [7/2/17]

FOR SALE: AMERITRON AL-82 LINEAR AMPLIFIER - \$1,550.00 With a pair of Eimac 3-500Z Tubes, puts out 1500 W with 100 W drive. Good Condition, wired for 240V, 160 through 10 meters including WARC bands. Weighs 80 pounds. Prefer local sale, can deliver up to 35 miles.

YAESU FT-1000MP TRANSCEIVER - 100 W - AC VERSION - \$1,000.00 Excellent condition, Loaded with the following filters: Roofing Filter, 8,215 IF: 500Hz, 2.0 KHz, 2.4 KHz, 6.0 KHz 455 IF: 250Hz, 2.0KHz, 2.4 KHz, 6.0 KHz Includes manual and hand microphone.



TEN-TEC CORSAIR TRANSCEIVER - 100 W WITH MATCHING POWER SUPPLY / SPEAKER COMBINATION \$350.00 Good Condition - superlative full break-in CW performance - good starter radio. Has optional narrow SSB and CW filters. Includes manual. Will not sell transceiver without power supply.



HAMMARLUND HQ-129 VINTAGE RECEIVER - \$125.00 Good Condition commensurate with it's age, fully functional. Completely re-capped, re-tubed and re-aligned 10 years ago.



MFJ 259-B ANTENNA ANALYZER WITH CARRYING CASE- \$150.00 Good condition, fully functional, with manual. Covers 0.5 to 170 MHz in 6 ranges.



Contact: George, K3GP at K3GP@portcars.org
or call 330-829-9504 weekdays or weekends [7/2/17]

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: [8/2/17] indicates the ad will run until August 2, 2017.

PCARS
Join Now
Discover the FUN



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/>

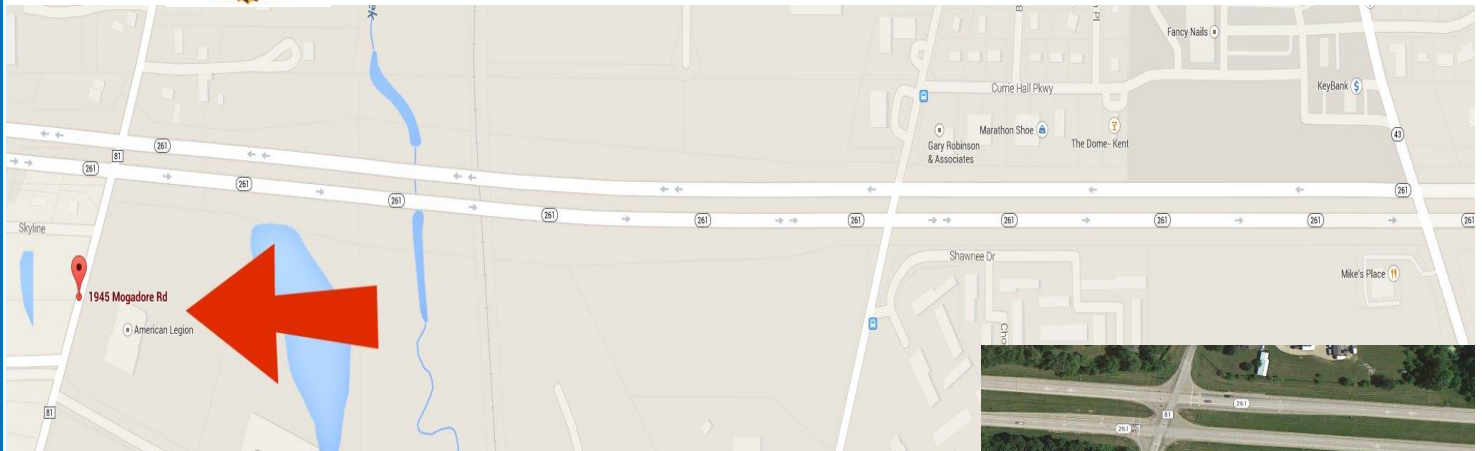


PCARS Meetings

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 June







PCARS

12 June 2017



Important Dates This Month

JULY HOLIDAYS AND OBSERVANCES

Be Nice To New Jersey Week, July 2-8 (First Full Week)

(I had to put this in here for Bob, W5OV.. he's originally from New Jersey...)



Beans and Bacon Days, July 5-11 (Begins on First Wednesday)

Sat 1st Jul, 2017 will be... Canada Day

Canada, O Canada! What a great country exists in this world as Canada. Renowned for their politeness, the delicious local food known as poutine, and some of the most forward social and civil liberty laws in the known world. They began their existence in the world as three separate colonies that were all part of the British Empire, and Canada Day celebrates the joining of these three colonies and the creation of the country of Canada within the British Empire. Canada Day reminds us to celebrate this auspicious day and cheer the creation of the most polite country and socially progressive country in the world today!



History of Canada Day

Canada Day celebrates that day in history when the British North America Act (Now called the Constitution Act of 1867) was put into place. This was an important end to a long struggle to get Canada recognized as a separate country from its British parents. Three colonies were bound together to create what is now recognized as one of the best countries in the world to live in. For a long time it had some issues with its currency not performing well on the world stage, but recently it has risen to prominence and held its own amongst first world countries.

Somehow in keeping with Canada's reputation for humility, the country didn't make a big deal out of this event over the next few years. In fact, it took until 1917 before any official celebration of the event was held, and it took a full 10 years for another to be held. In fact, it wasn't until 1946 that what was then known as 'Dominion Day' even became known as Canada Day, and then until 1958, almost a hundred years later, until they started celebrating it yearly with government sanctioned events. Canada has to be the only country in the world that essentially won its independence from its mother country and then went on not to be bothered with making a big deal about it. Honestly, it's a rather stark contrast to its neighbor to the south.

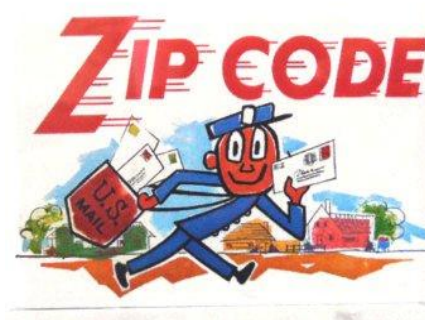
How to Celebrate Canada Day

For most of the world the best way to celebrate Canada Day is to research the history of this rather remarkable country. They have a fair amount of pride in themselves as a country, but don't resent or rale against the country that is still technically their sovereign. Canada Day is even celebrated in the UK, with large gatherings in Trafalgar Square to celebrate this countries formation. Canada is an amazing country, and Canada Day is your day to learn more about it!

Sat 1st Jul, 2017 will be... Zip Code Day

No matter where you're from, you're likely familiar with the concept of a postal code. That string of numbers and/or letters at the end of your address that designates just where in the heck your address actually is. The origin of Zip Codes actually came from postal district numbers or postal zone numbers that helped mail carriers find their way within larger municipalities.

London and Liverpool were among the first cities to be divided into these



designated sectors, but by the end of World War I they were spread throughout the world, coming to the US in the 1920's, and eventually used in all major cities by the end of World War II. It was somewhere around this time that the concept of a ZIP code came into existence.

Ever wondered exactly what the ZIP in ZIP code stood for? (You did notice it was all capitalized right? That means it's an acronym. No? Well, it is! Happy 'I learned something new today' day!) ZIP code stands for 'Zone Improvement Plan' and was brought into existence. While they do vary from place to place, how they're utilized is incredibly standard. They started out just being used to make sure mail was sent to the right place and keep things flowing smoothly. Since then they've been utilized in a lot of different ways, including emergency services direction.

How to Celebrate International Zip Code Day

Celebrating this day can require a bit of creativity, but you might consider making a cake of your local city with each of the Zip Codes marked out in icing. If you happen to be fortunate enough to live in a 523 area code, once every hundred years you may get the opportunity to do what Mount Vernon Iowa did in 2014.

The entire city happens to be encapsulated by a single zip code, so they got together to celebrate as a community. Fund-raisers were done, group photos taken, and a generally grand time was had by all as they raised awareness not just of Zip Codes, but of the closeness of their community.

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Tuesday July 4th will be Independence Day

The fourth of July is the birthday of our nation. Today, we celebrate and enjoy the freedom that comes with the event that made this day so special.

Thomas Jefferson, is the author of the Declaration of Independence. He led a committee that crafted the declaration between June 11-28, 1776. Jefferson and other discontented representatives from the thirteen colonies, voted and approved it on July 4, 1776. The document declared freedom for the 13 colonies from British rule. It currently resides in the Exhibition Hall of the National Archive in Washington, D.C.



Did you know? The Declaration of Independence was not signed by all representatives until August, 1776. To make it official, John Hancock, President of the Continental Congress signed it. Now, can anyone guess where the saying "put your John Hancock on it" came from!?!

Today, we enjoy the benefits of the freedom which the framers signed and ultimately fought for. For us, it is a time for baseball, hot dogs and family picnics. Summer is in full swing and life is good.

Happy Birthday, America!!!!

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Mon 10th Jul, 2017 will be... Piña Colada Day

"If you like piña coladas and getting caught in the rain
If you're not into yoga, if you have half a brain"
Yes, I like piña coladas and getting caught in the rain
I'm not much into health food, I am into champagne"
– Escape (The Pina Colada Song)", by Rupert Holmes



The Pina Colada has a long and noble history, both as a mixological standard, and as the heart of a song about not giving up on love, just because you think it's gotten stale. The name for the drink comes from the basis of its creation, Piña meaning "Pineapple" and Colada meaning "Strained." This drink is a delicious mix of all the things that speak to the Caribbean and tropical locales, with the pineapple juice mixed together with a rich coconut cream, spiked up with just a

bit of white rum into the mix. Is there anything that speaks more of warm white sand beaches and beautiful azure skies than a drink that was born on those same shores?

History of the Piña Colada

As befits a drink born of tropic fruits from tropical shores, stirred with a drink distilled from the rich sugar born drink favored by merchants and pirates alike, the history of the Pina Colada is steeped in mystery, folklore, and conflict. The first and oldest story of the drink is born in the Caribbean waters around Puerto Rico, upon the ship of one Roberto Cofresi, Captain of a crew of the foulest batch of pirates to sail the seas in the early 19th century. While this is the earliest known origin of the drink, used to boost the morale of the crew, the recipe was lost for a time after his death in 1825.

It wasn't until 1954 that the drink was to find itself rediscovered by one Ricardo Garcia, a mixologist born in Barcelona and working at a Hilton. This story tells that it was discovered as a series of fortunately unfortunate events, starting with a strike of the coconut cutters union that led to a shortage of the favored cup of the resorts favored drink, the Coco-Loco. Without a freshly macheted coconut shell to serve it in, Ricardo adapted to the circumstances in front of him by presenting the drink in a hollowed out pineapple instead. Thus, according to this bit of lore, the Pina Colada was reborn.

How to Celebrate Pina Colada Day

If you seriously need someone to tell you the best way to celebrate Pina Colada Day, you may have very well gotten started without us. For all that it's an incredibly simple drink, there are variations on this old classic that can have you enjoying a different variety (responsibly of course!) all day long!

The Basic Pina Colada

1 part White Rum
1 part Coconut Cream
3 parts Pineapple Juice

Take this mixture and stir in crushed ice until it's good and smooth, pour into a glass that's been chilled, garnish it with a slice of pineapple and an umbrella, and serve it to your favorite set of reprobates'!

Wed 19th Jul, 2017 will be... Hot Dog Day

The sun is out, you're at the amusement park, and the rollercoaster is filling the air with the clack-clack-clack of wheels on rails. The scent of a thousand different fair foods fill the air, but one stands out above all the rest. It's rich, it's savory, it's the smell of a thousand mysterious meat products put into one delicious sausage casing, broiled up on a flame grill, and sent out on a bun with all the fixings. Hot Dog Day celebrates this most delicious and tantalizing of treats, and its extensive history!



History of Hot Dog Day

Given the Hot Dog Day is an international event, where it begins and who sponsors it tends to vary by region. In the USA it's primarily the industry partners that participate in promoting it, whereas in other countries around the world it may be historical organizations celebrating the role it played in their history. Did you know that the Frankfurter was named for the Germany city of Frankfurt, where it was said to originate? Well now you do! There's even multiple varieties of Hot Dogs! The original hot dogs came in a natural casing, which in case you didn't know were made from the small intestines of sheep. Intestines were regularly used for making all kinds of sausages, hotdogs included!

Then you have skinless hotdogs, in order to hold them together they're cooked in a cellulose casing that gets taken off when they get packaged. Since cellulose is kosher and cheaper than kosher intestine, this is often how the frankly (heh heh) delicious Kosher Hot Dogs are often made. Hot Dog Day is celebrated all over, and if you've ever enjoyed a warm hot frank at a summer BBQ, then you're no doubt celebrating too!

How to Celebrate Hot Dog Day

The best way is to serve yourself up a great meal with hot dogs! Our personal favorite is the old classic, home-made mac and cheese served with slices of hot dog in it. We also really enjoy hot dogs in our chili, that's if we don't have a bun to make a classic chili dog. Get all your friends together in your back yard and encourage them to bring their favorite frankfurters and condiments. Share stories of your first hot-dog, and all the memories you have around this classic summertime treat. There's something about a hot dog with the slight char that comes from being grilled that always has us waiting for Hot Dog Day.

Sat 29th Jul, 2017 will be...International Chicken Wing Day

It doesn't seem to matter where you go, chicken wings are finding themselves onto every conceivable menu around the world. There seems to be as many variations on a theme as there are cuisines to go with them, from parmesan garlic crispy wings to honey barbecue wings with a soft rich breading, there is no limit to what these delicious bits of bird flesh can make better.



With such variety available, it's unsurprising that they have become so popular as a snack food for everything from celebrating huge sports events, to birthday parties, and even weddings. It's so easy to coordinate this dish with anything else you happen to be serving! Cooking Mexican? Then soak them in a chili sauce and light your mouth afire, preparing Italian, the parmesan Garlic wings mentioned earlier are perfect, and this is just a beginning.

How to Observe International Chicken Wing Day

You'll be happy to hear that the best way to observe International Chicken Wing Day is by, quite simply, eating a ton of chicken wings! Get a bunch of friends together and challenge each of them to come up with a unique and interesting variation on this versatile food. If not in your own backyard then have everyone get together at one of the growing numbers of stores and chains that carry these sometimes mouth-searing treats, and eat them out of business!

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, KD8GGZ, KB8UUZ, W8PT, KD8SKL, WB8LCD, N8SY, K3GP, N8RLG, N8XTH, KC8PD, KB6NU, KB8AMZ, WA3EZN, WA8EFK, W8WTD, KD8ICP, The Record Courier, Amanda Garrett, the ARRL, and the World-Wide Web.

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



Saturday August 5th, 2017 - 27th Annual Columbus Hamfest

The Aladdin Shrine Center, and the Voice Of Aladdin Amateur Radio Club, welcomes the

ARRL Ohio Section Conference <http://arrrl-ohio.org/>

Saturday August 5th, 2017- Vendor setup at 6 am, open to the public from 8 am, until 2 pm. The Aladdin Shrine Center has moved! It is now located in Grove City.

Flea Market - Flea market spaces are an additional \$5 each. Sell from the trunk of your car, or, if selling inside, table and chairs are included. First come first served.

Forums - Forums covering a wide range of fun and interesting amateur radio topics, including the ARRL Forum, and the Ohio Single Side Band semi annual meeting.

9:00 am – Tom Sly, WB8LCD on Clubs and how to keep members interested

10:00 am – Scott Yonally, N8SY on ARRL and Ohio Section Presentations (Newsletter awards and Allan Severson Award)

11:00 am – Mike Hayward, KC8WH and the Semi-Annual OSSBN meeting

VE Testing - Get an amateur radio license, or upgrade. VE Amateur Radio Testing will begin at 9:00am. Walk ins are welcome, but preregistration is encouraged to save time. w8zpf.cbah.org/exams/pre-reg

2017 COLUMBUS, OHIO HAMFEST And OHIO SECTION CONFERENCE Saturday, August 5, 2017

Sponsored by:

The Voice of Aladdin Amateur Radio Club - W8FEZ

8:00 AM - 1:00 PM

Talk-in on: 146.760 – PL 123.0
(Doors open at 6:00 AM for vendor setup)

Located at:

**Aladdin Shrine Center
1801 Gateway Circle
Grove City, Ohio 43123**

Behind Tee Jayes restaurant, off Stringtown Road at I-71

Admission
\$5 at the gate
12 and under free

Indoor Tables
\$5 per table

Outdoor Space
\$5 per space

- **Forums** – Covering a wide range of fun and informative Amateur Radio Topics.
- **Vendors** – Universal Radio, and big name vendors. See the website for the growing list
- **V.E. Amateur Radio License Testing**
- **Ohio Single Side Band Net - Annual Meeting**

For Hamfest information email W8FEZ@arrrl.net



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.

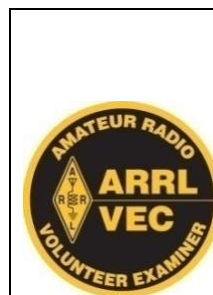
All are welcome to attend ~ Stop in and say hello!

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 - Chuck Patellis - W8PT Past President - Tom Sly - WB8LCD	ARRL Awards - DXCC WAS, VUCC, WAC	W8KNO	Joe Wehner
	ARRL Awards - WAS	KB8UUZ	Tom Parkinson
	Club Site Manager/Liaison	KC8PD	Jim Aylward
	Contest Coordinator	W8PT	Chuck Patellis
	EchoLink	K8SRR	Steve Randlett
	Field Day Chairman	W8PT	Chuck Patellis
	FYAO Chairman	W8PT	Chuck Patellis
	Historian	KB8SZI	Peggy Parkinson
	K8BF Callsign Trustee	K8FEY	Bob Hewett
	K8BF QSL Manager	K8FEY	Bob Hewett
	Membership Chairman	KC8PD	Jim Aylward
	Net Control Manager	WB8LCD	Tom Sly
~ Meetings & Net ~ 2 nd Monday of each month. 7pm Thursday night Club Net at 8 pm on 146.895	Net Night - Club Manager	WB8LCD	Tom Sly
	Newsletter Editor	KB8UUZ	Tom Parkinson
	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
W8PT	Chuck Patellis
K8IV	Ed Polack
K8QF	Russ Conklin
N8RLG	Robert Gurney
W8RID	Robert Davet
WA8CCU	Al Nagy
NR8W	Russ Williams
W8EZT	Frank Tompkins
N8OQQ	Bryan Buchwalter
AC8NT	Jim Wilson
K8MSH	Mark Haverstock
KA8TOA	Greg Ash
KB3GXB	Jennifer Andrews

THE RADIOGRAM

PCARS Incorporated
Nov. 1, 2005

First Meeting
Nov. 14, 2005



ARRL Affiliated
April 20, 2006



Special Service Club
March 22, 2010

The RADIOGRAM is the official **Award Winning** (ARRL Ohio Section Newsletter First Place Winner for 2012 AND 2013. Second Place in the Great Lakes Division for 2013. Second Place ARRL Ohio Section Newsletter for 2014. Third Place Winner in the Ohio Section 2015. 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 copy write - 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 for Amateur Radio™. **Why the Black Squirrel in our logo?** For those of you not familiar with it: The Black Squirrel is commonly seen around Portage County, Ohio. Seems that some of these little guys and gals got loose from Kent State University back in 1961. They have migrated and thrived throughout our county. Kent State University even has an annual Black Squirrel Festival. **So when you spot a black squirrel – think PCARS!**

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 20 kb photos) to the newsletter editor: kb8uuz@portcars.org

