

The RADIO GRAM When All Else Fails ~ Amateur Radio Works

December 2014

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

Vol. 9 No. 12

~ 2014 Officers ~

President - Tom Sly - WB8LCD
Vice President - Jim Aylward - KC8PD
Treasurer - George Proudfoot - K3GP
3 Year Trustee - James Andrews - KD8VT
2 Year Trustee - Erica Pelz - AE8YL
1 Year Trustee - Bob Hajdak - N8QE

~ Meetings & Net ~

2nd Monday of each month. 7pm

Thursday night Club Net at 8 pm on 146.895

PCARS Incorporated Nov. 1, 2005

First Meeting Nov. 14, 2005



ARRL Affiliated April 20, 2006

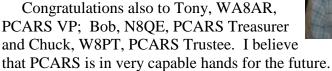


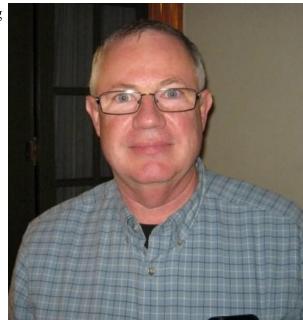
Special Services
Club
March 22, 2010

From the President

Thank you all for the opportunity you've given me to serve PCARS. These past nine years have been some of the most enjoyable I've had, and they've certainly been a big boost to my personal enjoyment of the Amateur Radio hobby.

Congratulations to Rick, K8CAV, on being elected your new president. I hope that you will all give Rick the support and the assistance that you've given me through the years. I know that Rick is going to keep PCARS at the top of the list of the best Ham clubs in the country. Running a club like PCARS isn't something that doesn't affect the rest of your life – it takes a lot of time and resources away from the other parts of your life (family, career, other hobbies, etc..) One person can't do it all, so please, step up and help out where you can. It's always appreciated.





Thank You to George, K3GP, PCARS Treasurer for the past 3 years. George has done an outstanding job, balancing the books to the penny every month, and reporting the results in precise detail.

Thank You to Bill, WB9LBI and Jim, KC8PD who have both been Vice President in these past three years. The VP position is where most of the club programs get put together, and as I think back on the past three years, we've had some awesome programs!

Finally, I want to say Thank You to Amy, KD8SKL, who has been the club secretary for the past 3 years. The club secretary does a whole lot for the club, assisting all the officers in their duties, in addition to keeping the club records, membership roles and answering correspondence from club members and those outside of the club. Amy has always been there and always gone the extra mile for PCARS.

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From the President (continued from Page 1)

The club secretary position will be open as of January 1st, 2015. Secretary is an appointed position, so, if you would like to be considered please send an email to Rick <u>k8cav@portcars.org</u> and let him know that you would be willing to serve in that capacity.

Since this will be my last opportunity (officially, at least), let me also put the word in for the ARRL. I think every ham should be a member and support their programs. ARRL is the only organization we have that represents our interests to the government, and without them, we probably wouldn't exist, or would only esixt in a drastically reduced capacity. They have come through for us in the past, and no doubt will be called on to do the same again as business and government interests want to poach on our frequency allocations. Be a member and be a supporter!

Interested in upgrading your license from Tech to General? There'll be a new class starting on January 13th, 2015 and running for 8 weeks. See the additional info elsewhere in this newsletter, and, be sure to share the flier with any of your friends who may not be PCARS members. Looking for some QRP field activity? FYAO will be coming up on February 14th, 2015.

Finally, the PCARS meeting for December is traditionally our "Christmas Party" where spouses and other family members are encouraged to join us. Plan to begin arriving at the Overlook Restaurant about 6:30 and we'll try to all have dinner together at 7:00 PM. I'll have a few presentations to make and we'll have our annual

gift exchange. For the gift exchange: Bring a wrapped gift suitable for a man, woman or HAM (a gift directly related to ham radio). Address your gift to a Man, Woman or Ham. Under From: on the gift tag, write in your own callsign. When you turn in your gift, you will get a tag to write your callsign (or name) on and put in the barrel. You *must* have a ticket to get a gift! Price ceiling for all gifts is \$15.00. If you have children attending, please bring your own gifts for your children and we will distribute them as part of the exchange – be sure to have their name on the package.

So that's the end of the line for me. But I'm not going to disappear – I'm going to hang around and participate in the activities of the undeniably Best Amateur Radio Club on the Planet!

73.

Tom, WB8LCD
PCARS President

Editor's Note: Tom, WB8LCD has given countless amount of time, effort and donations to get PCARS to where it is today. Tom will still be very much involved in PCARS since he will be on the Board of Trustee as the Immediate Past President. Besides, there is no way we would let him stay at home all the time - well, we'll let him stay home and operate on the radio a bit more than he could as full time President. He just has too much FUN being involved in PCARS!!!!



From the Vice President

This column is to say: Thank you! It is a thank you to all PCARS members past and present for the opportunity that you have given me to make a contribution to the amateur radio community in the Portage County area.

Where has nine years gone? It really does not seem that long ago that I had just returned from post-Katrina ARES service in Mississippi and found myself in conversations with a few other local hams, especially Tom, WB8LCD, and Parky, KB8UUZ, about starting a new local ham radio club. We barely knew each other but were all on the same page about wanting a fresh start for a club.

We soon found ourselves meeting with Al, KB8VJL, Russ, KB8DPN, and Joe, W8KNO, and a plan took hold. We incorporated the Portage County Amateur Radio Service, elected our original slate of officers and trustees, and hit the ground running at the January 2006 meeting.

Over the past nine years, there hasn't been a time that either Tom, WB8LCD, or I were not either president or vice-president of PCARS. That was just the way things worked out and we always appreciated the confidence that PCARS members had in us. This was not to be club for us, it was to be a club for them.

In addition to being an officer of the club, I had the privilege to serve as Public Information Officer and the VE Liaison, as well as organizing the Technician and General courses. It has been incredibly rewarding to help so



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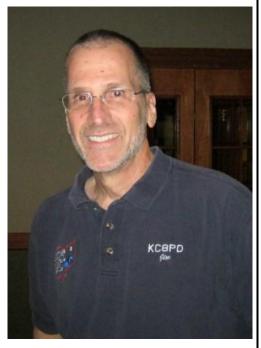
December 2014

many new hams to obtain or upgrade their licenses. It also has meant a lot to me to contribute to the acquisition and renovation of the club site and to have a hand in creating club activities that have become annual events.

Tom and I always knew that there would be a time that the club would be under new management, so to speak. We always planned it that way, plus we knew that over time we would be looking forward to the day when we could enjoy PCARS activities without having to be responsible for them!

This is my last Vice-President's column and I am sure that I can say on behalf of myself and Tom that we are confident that club has new leadership, Rick, K8CAV, as President, and Tony, WA8AR, as Vice-President, who will do a terrific job in upcoming years. They truly have the interests of the club and its members in mind and will do all that it takes to ensure the future success of PCARS. We look forward to working with them.

Now let's get out and play some radio!



73.

Jim, KC8PD PCARS Vice President

Editor's Note: Jim, KC8PD has done a lot more for the club than what he mentioned in this month's Vice President's column. Jim was also the person that got the Ohio State Parks On The Air contest going. He spent countless hours and untold amounts of his own financial donations to help get the club going and to keep it going. He started up the RACES program working closely with the Portage County officials, then got ARES® functionally going as well. There are many other things that Jim was involved with during the first nine years of PCARS. **Jim is not going away from PCARS, we won't let him.**

To see what it was like in those early years and the activities PCARS was involved in - please, check out the older PCARS newsletters. They are all available on-line at the PCARS web site under the "Newsletter" tab.





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Congratulations to the Newly Elected PCARS Officers

During the November PCARS meeting, elections for officers were held and the following members were elected. They will start their new term of office on January 1, 2015.



President Rick K8CAV



Vice President Tony WA8AR



Treasurer Bob N8QE



3 Year Trustee Chuck W8PT



Erica AE8YL moves to 1 Year Trustee

James KD8VT moves to 2 Year Trustee





Mark Your Calendars

On the calendar for upcoming meetings and activities are:

- December 8th PCARS meeting & Christmas Party 7 pm
- **January 12th PCARS meeting** 7 pm
- **February 9th PCARS meeting** 7 pm
- February 14th Freeze Your Acorns Off 10th Annual PCARS QRP Event
- March 9th PCARS meeting 7 pm

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



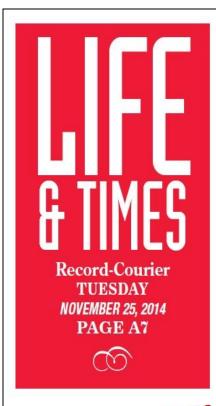
First Tuesday - **Digital** Special Interest Group
Second Tuesday - **QRP/CW** Special Interest Group
Third Tuesday - **Antenna** Special Interest Group
Fourth Tuesday - **DX & Contest** Special Interest Group

Fifth Tuesday - Linux for Hams Special Interest Group

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



Every Wednesday until December 17th - Morse Code Class at the club site - 7:30 pm





SUBMITTED PHOTO

PCARS donates \$3,500+

Radio Service and its members have made an annual donation to the Center of Hope in Ravenna to support its holiday food distribution program. This year's donation exceeded \$3,500 and the check was delivered to Family & Community Services Executive Director Mark Frisone, second from left, by PCARS members, from left, incoming club vice president Tony Romito, WA8AR; current president Tom Sly, WB8LCD; and incoming president Rick Kruis, K8CAV.





Happy Birthday PCARS Members

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

KC8PD	Jim	Aylward
KD8GHA	Jenna	Ziccardi
KD8ICP	Tim	Gehri
KDFPP	Ryan	Fraedrich
KD8QDZ	Chris	Schroeder
KB8AMZ	Terry	Morris
	Arlene	Kurta
KA8TOA	Greg	Ash
KC8TZU	Richard	Samuel

KB8UHN	John	Tomasik
N8XTH	Deron	Boring
K8IV	Ed	Polack
KC8RJR	Errol	Jordan
KD8SUL	Gary	Warren
KD8YXJ	Michael	Szabo
WA8GCF	David	DeSimio
KD8SKL	Amy	Leggiero



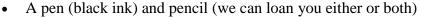
PCARS VE Test Sessions

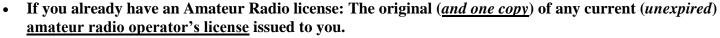
PCARS VE sessions are scheduled for 10:00 am on the first Saturday of every even numbered month.

 $December\ 6^{th} \\ 2015\ -\ February\ 7^{th}\ ,\ April\ 4^{th}\ ,\ June\ 6^{th}\ ,\ August\ 1^{st}\ ,\ October\ 3^{rd}\ ,\ December\ 5^{th}$

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.





- 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.

Robert, N8RLG
PCARS VE Team Liaison



Contest Calendar

December 2014											
ARRL 160-Meter Contest	2200Z, Dec 5 to 1600Z, Dec 7										
Ten-Meter RTTY Contest	0000Z-2400Z, Dec 7										
ARRL 10-Meter Contest	0000Z, Dec 13 to 2359Z, Dec 14										
ARRL Rookie Roundup, CW	1800Z-2359Z, Dec 21										
RAC Winter Contest	0000Z-2359Z, Dec 27										
Stew Perry Topband Challenge	1500Z, Dec 27 to 1500Z, Dec 28										

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



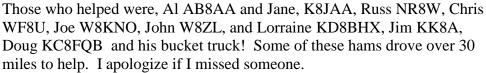
Reverse Tower Party

Like many of us things happen and we have to move to a new location. Well, that's what I had to do, I had to move from my current QTH of Newton Falls, to Niles!

This of course meant I had to take down all my antennas and towers. We lucked out and had a very nice day to have what I call a "reverse tower party".



First I would like to thank all who came out to help.



Both towers, and antennas were down within 2.5 hrs! Then we had to wait as the pizza and chicken were late! I hope to get something up in the air soon at my new QTH. I will try and attend what I can when the weather is good. According to mapquest I am about 40 miles away. I know some of our PCARS members also drive a distance and I will try to be one of them but to be honest it will be weather depending.

73, *Mike, KC8UNR*





EmComm

First, an update on a coming ARES[®] leadership change in our area. I have notified the Ohio Section Emergency Coordinator, Stan Broadway, N8BHL, that I will be resigning as DEC for ARES[®] District Five effective the end of December.

Stan is a great guy with a wealth of training and experience that will be invaluable in his role as SEC. I am not sure who Stan will recommend to the Section Manager for appointment as the new District Five DEC, but he or she will enjoy working with Stan.

I have some upcoming career changes that will provide me an opportunity to become more involved in emergency response at the local level. Details on that will follow. In any event, I just will not have the time available to also continue to serve as DEC. I will do all that I can to assist the new DEC and wish him or her the best with district operations.



As I mentioned in last month's column, Rick, K8CAV, the Digital SIG Facilitator, and Steve, K8SRR, would be conducting a workshop on the setup and deployment of mesh network stations as well as the practical uses of mesh networking at the November Digital SIG meeting. It was extremely well attended. It was great to see how many PCARS members had an interest.

Also as noted last month, this is a really interesting subject and a great example of the amateur radio tradition of repurposing commercial communications equipment for amateur radio communications.

The Broadband-Hamnet group, http://www.broadband-hamnet.org/, continues with the evolution of the software that they had developed. A big change is that the operating firmware can now be flashed to certain Ubiquiti wi-fi components. The original hardware was repurposed Linksys modems. The Ubiquiti hardware offer a lot of advantages: more memory, higher speed, more power, and the ability to connect to external high gain antennas, just to name a few.

Perhaps more importantly, because the OpenWRT software that is the basis for the Broadband-Hamnet firmware is no longer going to support the older Linksys routers the move to the Ubiquiti hardware was a necessity.

Unfortunately, it appears that at some point in the future as the software continues to evolve the older Linksys routers will no longer be compatible the newer firmware. That is a real shame because their low cost and ready availability were one of the main reasons that many hams decided to try their hand at HSMM/mesh networking.

Locally, a number of us have begun to acquire and road test the Ubiquiti routers and gain antennas. They offer a lot of promise for expanding the range of operations. We also continue to learn how to add functionality to the networks and will have some club demos coming up in the future.

Stay tuned!

73,

Jim, KC8PD/AAR5AI
Radio Officer, Portage County OHS/EM Communications Unit/RACES
DEC, ARES® District Five



Portage County Amateur Radio Service, Inc. (PCARS)

The RADIOGRAM

December 2014

Riley Hollingsworth to North Carolina Club: Amateur Enforcement "Very Much Alive"

Former FCC Special Counsel for Enforcement Riley Hollingsworth, K4ZDH, told the Forsyth Amateur Radio Club that the FCC is still active in the Amateur Radio enforcement arena, even though it's not always apparent. He spoke to the Winston-Salem, North Carolina, club on November 10.

"You may not think so, but enforcement is very much alive," said Hollingsworth, who - although retired -

still keeps up with goings on at the FCC and with the enforcement activities of his successor, FCC Special Counsel Laura Smith. "You just don't hear a lot about it, as you used to," he said, because ham radio news media report only the "big announcements" these days. During his tenure, Hollingsworth routinely released preliminary letters of inquiry and warning notices to radio amateurs suspected of breaking the rules. Now, he said, the FCC is using "the IRS model," partly in response to privacy considerations.

"You only see final actions [now]," he said. "So, you don't think a lot's being done, but it's all behind the scenes, and you don't know about it."



Riley Hollingsworth, K4ZDH, speaks at the Forsyth Amateur Radio Club in Winston-Salem, North Carolina, on November 10. [Courtesy of HamRadioNow]

What is not helpful, he told the club members, is e-mailing or writing Laura Smith or the FCC proper, regarding enforcement issues. Hollingsworth said the FCC has received "nasty e-mails to FCC personnel" concerning suspected ham radio rule breaking.

"I'm talking about horrible e-mails, threatening e-mails, threatening to the degree that the security office sometimes gets involved," he said. "We've got to stop this." Hiding behind the anonymity of the Internet, he pointed out, gives some people within the FCC a bad impression of ham radio and could prove counterproductive.

Hollingsworth suggested that hams interested in keeping up with enforcement subscribe to the FCC Daily Digest or view it on the FCC website. "You read these and you get an idea of how busy the FCC is across the board," he said. The FCC also documents Amateur Radio Service enforcement actions on its website. The page is not frequently updated, however.

Hollingsworth pointed out that the FCC is still running two parallel websites, since many were unhappy with the new site when it was unveiled a few years ago. The old - or "transition" - site remains fully functional.

Hollingsworth praised FCC Chairman Tom Wheeler for his role in helping to get the agency on a more active footing, and Enforcement Bureau Chief Travis LeBlanc, who was appointed last March. "I'm very impressed with him," Hollingsworth said of LeBlanc. The Enforcement Bureau is the FCC's largest bureau.

In remarks now familiar to many who have heard him speak at Dayton Hamvention and elsewhere,

Hollingsworth also warned his audience members against getting into on-the-air spats with rude or careless operators.

"Don't engage people, and don't humor the idiots," he said. "Stupidity can't be regulated, no matter how good the rules are. Just turn the big knob. Every rig has one."

Hollingsworth speculated that a lot of interference that is considered deliberate actually is accidental, but that hams encountering it automatically assume offense. He said the number of rule breakers represent only a small fraction of a percent of the Amateur Radio population, however, and "they're getting whittled down."

"Our responsibility is to get Amateur Radio through the next 100 years," Hollingsworth concluded. "You must recruit. You've got to keep these newcomers interested" and show them everything ham radio has to offer.

Today's hams, he said, ought to be presenting a good example for those who follow. "It's time for us to leave a legacy for this avocation," he said.

Hollingsworth's complete talk appears as Episode 174 of the online Amateur Radio television series HamRadioNow, produced by Gary Pearce, KN4AQ. - Thanks to HamRadioNow and Gary Pearce, KN4AQ

From the ARRL

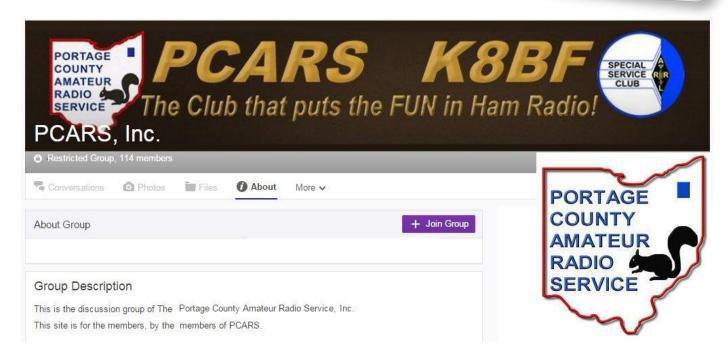


PCARS Yahoo Group

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/



Kentucky Historical Society Honors Former ARRL Director

Former ARRL Great Lakes Division Director Gary Johnston, KI4LA, has been named as the recipient of the Kentucky Historical Society's 2014 Award of Distinction. Johnston chaired the ARRL Board of Directors Historical Committee during his tenure, which included stints as both a Vice Director and Director. Johnston is

president of the Board of Trustees of the Behringer-Crawford Museum (BCM) in Covington, Kentucky, which also received a History Award. According to an article in the Cincinnati Enquirer, the Award of Distinction goes to a volunteer, board member, or member of an organization who has made a significant contribution to state and local history during his or her career.

"Since joining BCM's board of trustees in 2003, Johnston has had a significant impact on the museum and the communities it serves," the article said. "During thousands of volunteer hours, he redesigned and upgraded the museum's computer systems, chaired the committee that revamped its organizational structure, and helped secure more than \$2.3 million in funding to complete the museum's major expansion which opened in 2007."

Johnston also was credited with applying his technical and creative talents to enhance and promote the museum's exhibits and events. He currently chairs the museum's Capital Improvements Committee and has raised more than a quarter-million dollars for additional museum improvements.



In recognition of his service, in 2007, the museum awarded Johnston with its highest honor, the Golden Oar Award, for "those who paddle rather than just sit in the boat," and, in 2014, he received the Extra Mile Award for outstanding presidential leadership.

Johnston retired in 2013 as an associate professor of music at Northern Kentucky University (NKU). He serves as treasurer of the Kentucky Museum and Heritage Alliance (KMHA).

From the ARRL



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: George, K3GP or e-mail him at: <u>K3GP@portcars.org</u>





Field Day 2014 Results Posted

The ARRL posted the 2014 Field Day results. **K8BF did a fine job in 2014**. You can see all the results on the ARRL web site at www.ARRL.org

K8BF Category 4A Score: 9,520 QSO's: 3,147 Participants: 115

52nd place - ALL stations (2,686) 5th place - ALL 4A stations (150)

4th place - all categories - all Great Lakes Division stations (247)

3rd place - all categories - all Ohio stations (132)

2nd place - 4A Category - all Great Lakes Division stations (19)

2nd place - 4A Category - all Ohio stations (13)



10th place - number of participants - out of ALL (2,686)

3rd place - number of participants - out of ALL 4A stations (150)

1st place - number of participants - out of ALL stations (247) in the Great Lakes Division

1st place - number of participants - out of ALL stations (132) in Ohio





Digital Special Interest Group - The State of the MESH Address ...

November has been packed full with a presentation and activities about MESH networking. Things got kicked off at the November Digital Special Interest Group meeting where Steve, K8SRR gave a presentation on the basics of MESH networking and some updates regarding future support of the legacy Linksys routers, along with an introduction to the Ubiquiti MESH hardware that's now being supported. Steve then went on to demonstrate the use of IP addressable hardware in a MESH network such as IP cameras. He also brought along a Raspberry PI computer with software installed to act as a PBX telephone exchange, and some plain old analog telephones with ATA adapters but a few glitches in the software kept it from getting up and running. Steve plans on having it bullet proof by the next time we get together for a MESH presentation. We also had a chance to get a number of Linksys and Ubiquiti routers flashed and operational with the MESH firmware.

After the meeting Steve, Mike KB8TUY, and myself had the opportunity to do a quick range test with two Ubiquiti routers with encouraging results. A more extensive test was performed the following Saturday by Steve, Mike KD8FLZ, Sandy KD8JCY, Jim KC8PD and myself, and provided more accurate information as to the range capability of the standard Ubiquiti "Bullet" router with an 8 dBi omnidirectional antenna. The testing indicated that we can expect a 1,200 foot range with this system. Steve and Jim either now have or have ordered an Airgrid system with 20 dBi parabolic antennas and this should significantly increase the range of a point to point system, stayed tuned for details on tests of this system.

Broadband-Hamnet™ HSMM-MESH™

For information about the Linksys WRT-54 routers no longer being supported, see this link for information http://www.broadband-hamnet.org/. For the Linksys WRT-54 Steve is recommending that everyone upgrade to the latest test firmware Beta version 3.0.0rc1 which is

also compatible with the Ubiquiti MESH firmware flash. This version is not backward compatible with previous Linksys firmware. You can find this version by going to http://www.broadband-hamnet.org/software-download.html, click on the Linksys Firmware link, scroll down the list to click on the Experimental Builds link, then click on the appropriate download link for your hardware.

We're planning another Digital Special Interest Group presentation on MESH systems in the near future so keep an eye on your mailboxes for announcements. We'll be available to help with firmware flashes and other questions or issues you may be having with MESH and hope to see you there.

73, *Rick, K8CAV*







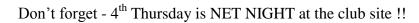






PCARS Thursday Net Control

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







	December
4	KB8UHN
11	N8RLG
18	KD8FDK
25	Take-A-Break

	February
5	N8WLE
12	KB8UHN
19	WB2DFC
26	K8CAV

January								
1	WB8LCD/P							
8	KB8UUZ							
15	N8QE							
22	KD8FDK							
29	WB8LCD							

	March
5	KC8PD
12	WA8AR
19	WB8LCD
26	KB8UUZ

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



OSPOTA 2014 Awards



Winning OSPOTA certificates were presented to four of the winning contestants that were present at the November PCARS meeting.

Left to right:

W8B - 1st Place - Multi/Multi Low Power in a Park N8NYM - 2nd Place - In Ohio not in a Park KB8UHN - 2nd Place - Single Op Low Power in a Park KD8BBK - 1st Place - Single Op High Power in a Park

Start making plans for OSPOTA 2015!!!



73, **Tom, KB8UUZ** OSPOTA Chairman



Swap-N-Shop

FOR SALE: Moving and downsizing and have for sale: **Package Deal**:

 $\label{thy-gain-th-7dx} \textbf{Hy-gain-th-7dx} \cdot \underline{\textbf{http://www.dxengineering.com/parts/hgn-th-7dx}} \ , \textbf{Telex/Hy-Gain-HG-52-SS} \ self-supporting crank-up tower [nested 21'] } \underline{\textbf{http://www.hy-gain.com/support.php?productid=HG-52-SS}} \ and \ \underline{\textbf{Hy-Gain-HDR-300}} \ rotor \ and \ control with digital read-out } \underline{\textbf{http://www.hy-gain.com/Product.php?productid=HDR-300-A}}$

This package is offered for \$500 to an individual or organization that can provide the proper equipment and manpower to de-erect this system. I have final approval on the means & methods to prevent damage to life, limb and property. Current QTH is Chagrin Falls. Moving to Hudson after the residence is sold in the spring.

Contact Paul, N8QZ by phone 216-577-4570 or e-mail N8QZ@portcars.org [02/02/15]

FOR SALE: Mosley CL-36-M 10, 15, 20 MTR BEAM antenna, \$500 **FOR SALE: Mosley CL-33-M** 10, 15, 20 MTR BEAM antenna, \$400

FOR SALE: Kenwood TS-711A, 2 Mtr All Mode, \$450 FOR SALE: Kenwood TS-811A, 440 Mhz All Mode, \$530 FOR SALE: Kenwood TS-450SAT, HF All Mode, \$600 FOR SALE: Misc tower parts, contact me if interested.

Contact Al, AB8AA by phone 330-207-3296 or e-mail <u>AB8AA@portcars.org</u> [01/02/15]

WANTED: DIGITAL TV Converter Box (working). Want to play with SSTV, need a converter. Let me know what you have and how much. Inexpensive and working is good.......

Contact Bucky, N8OQQ by e-mail at: N8OQQ@portcars.org [01/02/15]

FOR SALE: Astron SS-30M 25 amp (30 surge) power supply with meters - \$99

Contact Tom, KB8UUZ at KB8UUZ@portcars.org [01/02/15]

FOR SALE: Andrew 2.4GHz (wi-fi) window antenna, new in box, OD-2327SM10-1, \$25

FOR SALE: LDG Z-11Pro II auto tuner, new in box, \$100

FOR SALE: Garmin StreetPilot 1350T GPS, used, in box, \$45

FOR SALE: Microham USB interface (current production model), with cable for Kenwood TS-480 series, \$75

FOR SALE: West Mountain Radio Plug&Play soundcard interface, in box \$75

FOR SALE: LTG AT-600 Pro auto tuner, slightly used, in box, \$225

FOR SALE: Kantronics KPC III-Plus TNC, used only for testing, in box, \$125

FOR SALE: MFJ Universal Microphone Adapter, MFJ-1251, \$10

FOR SALE: TenTec RF speech processor, model 715. \$150

Contact Rick, K8GI by e-mail at: K8GI@portcars.org [01/02/15]

FOR SALE: Swan 1500Z Amplifier - Power is set up for 220 VAC, can be changed over to 110 VAC very easy. Two 572B tubes. In good working condition. Non-smoking shack. Comes with manual - \$500.00

Contact Bob, W8JFQ at 336-707-7148 or by e-mail at: davet101@roadrunner.com [01/02/15]



Let's Talk

Wow.. Winter is here! Thanksgiving is just a handful of days away and you know what that means, we'll consume everything that's in front of us. Now, at the Yonally house Thanksgiving is really a special time. It seems to be THE ONE day that all of the family gets together and just absolutely pigs out without any concerns for diets or overstuffing oneself. All that is left at the end of the day are the dirty dishes piled in the sink. Around here there's usually no leftovers, as that we have a growing family with lots of needs. So, the leftovers usually find their way to someone else's home that needs them just a little more than Janie or I.

Now I have an announcement to make to the Section.. This month I turned 62, and like many baby-boomers I am going to retire from my professional job at the end of the year. I am turning over my calipers, micrometers and statistical process control software to a younger Engineer and saying goodbye to that part of my life. This wasn't something I did in a snap decision, as that Janie and I have for many years planned for this. Some folks will think that this is sad, but as I have been taught when one door closes another one opens up. My plan now is since I no longer have a full time job getting in the way, I can serve the Ohio Section even more, and as such I will now be able to spend full time to the Section Manager position. I do plan on being even more active and visit more clubs and hamfests than I was doing before. The Ohio Section is the largest and best section in the country. You deserve a full time Section Manager, and I will do my best to fulfill that need.

Congrats on all of those Ohio Clubs that participated in Field Day this year. As most of you know (especially those of you high in points) know that the Field Day results have just been released. I'm so very proud of all the Ohio Clubs that are very high in the rankings. It's great. I did happen to notice that the "(A) category big guns" of Mahoning Valley, Delaware and Portage clubs really did themselves proud this year. I also noticed that a number of other Ohio Clubs ranked very high in the (B) category as well. Congrats to ALL of you, you all have lots to be very proud of.

I know that I harp on this a lot, but please make sure that you've signed up to receive emails from the Section Manager and Great Lakes Director with the ARRL. It seems that no matter how much I mention this in this newsletter, I go to a meeting and someone asks me how come they aren't seeing any of the messages that I'm putting out. If you want to keep apprised of what's going on in the state or within the Division you need to be registered with the League to receive these special emails. You'll need to log onto your account with the League and mark the box that states "receive email from the Section Manager / Director" and that's all there is to it - you'll now get those special emails.

Now, for those of you who may not want to go to all that bother, or you are not League members, you still have a chance to get these important emails. All you have to do is to "Opt-In" on the Ohio Section website.. Here's the link: http://arrl-ohio.org/forwarder/forwarding.html You can also find this link on the bottom left corner of the main page of the Ohio Section website. I urge you all to make sure that everyone, regardless of whether they are a League member or not, knows that they can always "Opt-In" at any time. Oh, didn't know that the Ohio Section had a website?? We do - you can find it at: http://arrlohio.org If you don't have this website set as your home page, I urge you to do so. This website is one of the exceptions to the rules. It changes all the time, it's never stagnate and it's forever changing. I would recommend that you check into the website at least 3 times per week.

U.S. House Bill - HR 4969 is still working its way around Congress. It's being reported that 16 more Congresspersons have promised to help sponsor this bill. Have you written to your Congressman yet? Many have.

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Let's keep this campaign going strong. If you haven't written your letter yet, there are a lot of good ideas on how to compose it on the Leagues website. Just follow the HR-4969 link on their front page. It will take you to all the latest information and letter suggestions.

I'm still doing a lot of traveling to hamfests and club meetings and I do have to tell all of you, the Ohio Section is the greatest. Everywhere I go I'm greeted by fantastic folks. I want to thank all of you for your kind words and graciousness to not just provide a space for me at your hamfests, but in giving me a helping hand when needed, and being very pro-active in having things all ready to go and setup for me when I get to your hamfest or club meeting. It's really great to know that you care that much. I and the entire Section Cabinet really do appreciate it.

Have you been noticing that the FCC is taking a more aggressive approach to those folks that do not want to follow the Rules or the law itself. As our Section Traffic Manager mentions in his article, a number of folks have chosen to "do as they please" when it comes to identifying their stations and just being jerks and deliberately interfering with other stations, just because they feel they can. If you haven't read the latest, now the FCC has reversed its previous decision and revoked an Amateur Radio License because the guy is a sex offender. The FCC said that given "known risks of Amateur Radios in the hands of sex offenders, such misconduct is prima facie disqualifying, and has resulted in the loss of licenses in past cases."

In focusing on the impact of this particular hams misconduct on his qualifications to hold an Amateur Radio license, the FCC concluded, "we would be remiss in our responsibilities as a licensing authority if we continue to authorize this ham to hold an Amateur Radio license that could be used to put him in contact with children."

Folks, what this all boils down to is this, if you break the Rules, or law, you WILL lose your license, no doubt about it. Please keep one thing in mind with all of this, the ARRL is NOT in the licensing or policing business, that is the job of the FCC or law enforcement. We are Amateur Radio Operators, licensed by the federal government, nothing more, nothing less. And, as an OO I can tell you, OO's only exist as an "Auxiliary" function to the FCC. Not as an enforcement officer, but merely as the "eyes and ears" of the FCC. We as OO's cannot enforce, only report.

That's going to do it this month from here. I hope to see all of you at the various hamfests or meetings soon and who knows, maybe you'll be one of the lucky ones to get a "mug" on me. Oh, by the way, the mugs are now filled with some extra surprises.

Have a question? Feel free to give me a call or write to me. My email and phone number are always listed on the Ohio Section Website http://arrlohio.org as well as on page 16 of QST.





Scott Yonally, N8SY
ARRL Ohio Section Manager

K3LR Elected as the Western PA Section Manager

ARRL members in the Western Pennsylvania Section have elected elite contester **Tim Duffy, K3LR**, as their new Section Manager. In a three-way race, Duffy polled 545 votes, Cynthia L. Rushton, WB3CNJ, received 83 votes, and Paul Plants, W3PLP, 62 votes. Ballots were counted Tuesday, November 18, at ARRL Headquarters. Western Pennsylvania Section Manager John Rodgers, N3MSE, of Butler decided to not run for another term after serving since October 2007. He also was Section Manager from 2000 to 2003.



Duffy, who lives in West Middlesex, Pennsylvania, has been an ARRL member and radio amateur for 42 years. He has served for 4 years as the Atlantic Division representative to the ARRL Contest Advisory Committee. Duffy has been an active member of ARES[®] and RACES and has many years of net and traffic-handling experience.

From the ARRL

Editor's Note: Tim Duffy, K3LR has been a long time supporter of PCARS and has been a guest at a PCARS meeting to talk about his world-class contest station. The title of that presentation was "Almost an Eight". He gave it that title since he lives just over the state line and spends a lot of time in "8 land". Tim also hosted PCARS members for an on-site visit to the K3LR contest station. PCARS congratulates Tim, K3LR on his new position as Western Pennsylvania Section Manager.



Looking for a new PCARS Secretary

Amy, KD8SKL who has served for several years as the PCARS Secretary is resigning effective December 31, 2014. On behalf of all of the PCARS members I'd like to thank Amy for the great job she's done as the secretary.

The PCARS secretary position is an appointed position. I would like to have that position filled as soon as possible so there is no gap in coverage of minutes for the meeting, and other important duties that the Secretary performs.

If you're interested in being considered for this position, please drop me a note at <u>K8CAV@portcars.org</u>.

Thanks!

Rick, K8CAV



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The RADIOGRAM

Free Stuff!

I'm a sucker for free stuff. Below, you'll find links to a free transistor amplifier design program, a free printed circuit board design program, and a free tutorial on antennas. All of these look to be worth a look.

TransistorAmp 1.1



This is free software for designing bipolar transistor amplifiers. I found the link to this software (http://en.transistoramp.de/) on the AMRAD mailing list. Phil, M1GWZ, who posted the link, says, "A transistor circuit that I'm developing needed a 5x voltage gain stage. I could have thrown in a single op amp with split power rails and all that DIL8 real estate, but a single transistor stage would suffice. Trouble is, I'm an EE by inclination, not training, and all those calculations - working out those capacitor reactance values - well, I don't do them often enough for them to be easy. And I want voltage gain, not current.

And then I found Transistor Amp 1.1."

"It's a nice piece of software," says Phil, "It installs easily and did the job for me quickly and easily. Oh, and when I built the circuit for real - voltage gain of 5x!"

Altium CircuitMaker

CircuitMaker (http://www.circuitmaker.com) is a free printed circuit board design tool for hobbyists, people like you and me. Maxfield Parrish of EETimes says, "one key aspect of CircuitMaker is its intuitive and easy-to-use interface -- all of the important "stuff" is presented in an easily accessible manner in a ribbon at the top of the display. Another major consideration is that Altium has decided to make CircuitMaker all about "Community," so users can easily share ideas and designs, comment on designs and offer suggestions for improvement, and generally help each other along the way."



Free antenna tutorial



For a limited time, Rohde & Schwartz and the IEEE Communications Society are offering a free tutorial on Antenna Basics (http://www.comsoc.org/form/tutorial-registration-antenna-basics). This tutorial explains the basic functionality of an antenna, starting with Hertz's antenna model. It also includes a short introduction to the fundamentals of wave propagation, the important general characteristics of an antenna and parameters, such as antenna gain, radiation pattern, bandwidth or VSWR. A more detailed explanation of the functionality of some selected antenna types (e.g. dipole or monopole) is also given.

Maik Reckeweg, Product Manager Antennas, Rohde & Schwarz GmbH, Munich, Germany, who is responsible for all the company's monitoring, measurement and communications antennas is the tutorial's.

The video is kind of dry, but I think Reckeweg does a pretty good job of discussing antenna basics. The video is also accompanied by a white paper that delves into these topics a little more completely. Overall, there's a bit more math than in most amateur radio discussions of antennas, but this makes the discussion a little more comprehensive.

Dan, KB6NU

When not scouring the Internet for free stuff, you'll find KB6NU working on updates to his "No Nonsense" study guides, working CW on 40m, or blogging about amateur radio at www.kb6nu.com

Charlie the Tuner's HF High-Lites

Ho Ho Ho – Merry Christmas!! Well, not quite yet. As of the time of my writing this column, you still have 30 shopping days left. Have you made your list for Santa? Does he know that you want that new TS-990, or new yagi, or amplifier under your tree? Here's a bit of information that might be helpful. Never aim too low! Nothing ventured, nothing gained. I could pull out a few more clichés but I think you might get my point. When making a request, aim high. You might be surprised what you end up getting.

We're starting to see the beginning of the DXpedition season and there are a few out there. And with the WX as it has been, what better way to enjoy a windy, wintery night than with a nice cup of hot chocolate and a rare DX at the other end of your QSO. Or maybe you go in for hot toddies. In any case, there is a lot of fun to be had on the bands. And we need to keep in mind that Cycle 24 will not be with us forever. So work them while you can.



A big THANK YOU to the following for the forecast reports for this month and beyond. Without them and their timely information, it would be much harder to know what's happening on the bands. So a BIG thank-you to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn Packet Cluster Network (especially Tedd Mirgliotta – KB8NW) for the following DX and IOTA information. I also want to thank the Radio Society of Great Britain (RSGB) for some reports.

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

- **3A, MONACO**. Jose, EA5IDQ, will be active as 3A/EA5IDQ between December 28-30th. Activity will be on 40-10 meters using SSB and RTTY. QSL via EA5IDQ. For more details and updates, see: http://www.dxpedition.eu
- **3W, VIETNAM.** Tony, KM0O, will be active as 3W3O from Danang between Nov 25th and Dec 24th. His main activity will be CQWW DX CW Contest (November 29-30th) as a Single-Op/All-Band entry. Tony likes 80 and 160 meters, so he will probably be emphasizing those bands before and after the contest. QSL via LoTW, by the Bureau or KM0O (see QRZ.com). He will upload his logs to LoTW as promptly as possible. QSLs will not go out until summer of 2015.
- **4S, SIR LANKA** (Reminder). Peter, DC0KK, active as 4S7KKG from Moragalla, Sri Lanka (AS-003, WLOTA 0762), between now and April 10, 2015. Activity will be mainly on CW and the Digital modes. QSL via DC0KK, by the Bureau (preferred) or direct (see QRZ.com). LoTW on request. All QSLs for all QSOs will be sent via the QSL Bureau.
- **5Z, KENYA.** Operators Bertrand/DF3FS (CW) and Oli/DL9OLI (SSB) will be active as 5Z4/homecall from Diani Beach between February 16th and March 8th (2015). Activity will be holiday style on 80-10 meters using CW and SSB. They plan to use verticals on 80/40/30m and Hexbeams on 20-10m. QSL via their home call signs, direct or by the Bureau. For more details and update, see: http://www.df3fs.de/5z-2015/index.html
- **6W, SENEGAL.** Francis, F6BLP, will once again be active as 6W7SK from Saly Portudal, 80 kms south of Dakar on the coast, between January 10th and February 5th (2015). Activity will be holiday style using the same station as last time (IC-7000 into G5RV antenna) operating mainly CW on 80-10 meters. If possible, he also hopes to be active on 160m with an Inverted L with a 300 watts solid state amplifier. Look for his low band activity during his local sunrise and sunset. QSL via F6BLP, direct or by the Bureau. Logs will be uploaded to LoTW and eQSL. For more details, logs and pictures of his last operation, visit: http://www.f6blp.org
- **7P, LESOTHO.** "The Daily DX" reports that Nick, G3RWF, is heading back to Southern Africa for a 5 week holiday starting in Lesotho and being active as 7P8NH between December 11-14th. Listen for him on the higher bands on CW (no

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SSB). QSL via G3RWF.

- **A6, UNITED ARAB EMIRATES**. Gerry, VE6LB, will once again be active as A6/VE6LB from Dubai between Dec 2-25. Activity will be limited (holiday style) using 100 watts into a G5RV antenna (40-10m), but with a focus on 12/10m and mainly on CW. QSL direct via his home callsign (QRZ.com address) or LoTW and eQSL. Bureau QSLs can be requested via E-mail at: ve6lb@telus.net Visit web page: http://logsearch.de/index.php/online-logsearch
- **ASIAN AND AFRICAN TOUR**. Toshi, JA8BMK, plans to be active over the next month and into the new year. Activity will be focused mainly on the lower bands (160-80m) with better receive antennas and locations. His tentative schedule is as follows:
- Jan 10-25 (2015) Antananarivo, **Madagascar**; call sign 5R8DX; operators Toshi/JA8BMK and Ken/JN1THL; focusing on the low bands. Feb 5-25 (2015) Vientiane, **Laos**; call sign; from a new QTH with lower noise and wider area and with RX antennas. Mar 1-31st (2015) Nha Trang, **Vietnam**; call sign XV7BM; with improved RX antennas. QSL all call signs via JA8BMK.
- **AH2, GUAM**. Kan, JJ2RCJ, will be active as AH2/AB2RF from Danilo/KH2JU's rental shack on Guam between December 27-30th. Activity will be focused on 30/17/12 meters RTTY. QSL via LoTW or direct to JJ2RCJ. Logs will be uploaded to ClubLog, LoTW and eQSL.
- **AT1, INDIA** (Special Event). Rajesh, VU2EXP, will be active with the special call sign AT1JCB from Gujarat between November 21st and December 9th. Activity is to celebrate the anniversary of Indian Physicist/Radio Pioneer Jagadish Chandra Bose's birthday. He was also well known as the "Father of Wireless Communication". Operations will be on 40/20/15/10 meters, but only on the Digital modes (PSK31, PSK63, PSK125, JT65, JT9, RTTY, SIM31, ROS, Olivia, etc.). QSL via VU2EXP (direct only), LoTW and eQSL.
- **HS50, THAILAND**. Look for HS50RAST to be active now until December 31st, 2014, to celebrate the 50th anniversary of the Radio Amateur Society of Thailand (RAST). QSL via E21EIC and LoTW.
- **JW**, **SVALBARD**. Svein, LA9JKA (ex-JX9JKA), will once again be active as JW9JKA from Bear Island (EU-027) between (Approx.) December 6th and May 30th (2015). Activity will be limited to his spare-time, and Svein will be focusing on the bands from 160-6 meters. Equipment is limited, due to rules of work. Focus will be on 160m during the winter, and 6m in springtime. QSL only direct to his home address (see QRZ.com).
- **K1N NAVASSA ISLAND**. Although no official word (repeat.. no official word) has been announced by the K1N Navassa Team, a few different sources are reporting that the K1N operation will probably be active during the time frame of January 25th and February 13th, as not to conflicts with the EP6T Kish Island (Iran) DXpedition. Remember, this is rumored and not official. Look for a special bulletin or something posted on their Web page at: http://navassadx.com
- **RI1, ANTARCTICA**. Nikolai, RW6ACM (ex-RI1ANP), will be active as RI1ANZ from Progress Station starting December 22nd. Activity will be on the HF bands using CW, SSB and the Digital modes. QSL via RN1ON, by the Bureau, direct, eQSL or LoTW.
- **S7**, **SEYCHELLES**. Eric, OE4AAC, will be active as S79AC from Mahe (WLOTA 3286) and Praslin Islands (WLOTA 2862) in the Seychelles Island group (AF-024) between January 17th and February 10th (2015). Activity will be holiday style on 40-10 meters on CW. QSL via OE4AAC, direct, by the Bureau or ClubLog's OQRS.
- **T8, PALAU**. KAORU, JH7WER, will be active as T88ER from the VIP Guest Hotel (Free Radio Room) on Koror Island (OC-009) between December 3-6th. QSL via his home call sign, direct or by the Bureau.
- **T8, PALAU**. Ryosei, JH0IXE, will be active as T8CW from the VIP Guest Hotel (Free Radio Room) on Koror Island (OC-009) between December 25th and January 4th. Activity will be on 160-6 meters using CW, SSB, RTTY, JT65 ad PSK31. QSL via JA0FOX by the Bureau, JH0IXE direct, LoTW or eQSL.
- **TI9, COCOS ISLAND**. Operators Dom/3Z9DX, Jon/K7CO and Jorge/TI2HMJ will be active as TI9A from Cocos Island (NA-012) between February 16-23rd (2015). It has been 6 years since the last TI9 operation, and it is ranked 26th on the most wanted list. Boat trip to the island will take place February 14th (2015), and it takes 30 hours from Costa Rica. Their Radio Permit is issued for 7 days only. That means they can operate for only about 6 days (24h/day operation). They are

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in possession of the second permit, which allows them to stay on the island overnight. The team will have 2 radios on the air operating on 80-10 meters using CW, SSB and RTTY. QSL via 3Z9DX, direct, by the Bureau, the OQRS on ClubLog or direct PayPal request (no need to send a paper card). QSL requests with insufficient postage will be returned to the sender via Bureau. They are looking for funds. A survey/vote for bands/modes needs is available at the following Web page, as well as more details and updates, see: http://www.nielsen.net/ti9a

IOTA NEWS.....

AS-049. Takeshi "TAKE"/JI3DST(JS6RRR) will be active as JI3DST/6 from **Kuchino-Island** (Tokara Island) between 0600z, December 27th and 0000z, January 4th (2015). Activity will be on 160/80/75/40/30/20/17/15/12/10 meters using CW, SSB, FM and the Digital modes (RTTY/PSK31/JT65A). This operation is subject to change because of bad WX or other conditions. QSL JI3DST/6 via the Bureau or by ClubLog's OQRS. Please check QRZ.com for more details. For more details and updates, see: http://blog.goo.ne.jp/ji3dst

AS-166. A multi-national team of operators from Belgium, The Netherlands and Greece will be active as EP6T (pending) from **Kish Island, Islamic Republic of Iran,** in January 2015. This will be a "Rockall DX Group" DXpedition. Reportedly, it took nearly 3 years of negotiations and a reconnaissance trip by Patrick, ON4HIL, to Tehran, which finally resulted in obtaining a legal license to operate with a team of ten people for fourteen days. The group plans to have 4 (possibly 5) operating stations on the air around the clock for at least 10 days at the end of January 2015. Specific dates will be announced at a later date. Activity will be on all HF bands, 160-10 meters using CW, SSB and RTTY. Some stations during the nighttime hours will be focusing on the low bands using separate receive antennas and quarter wave verticals near the beach. More information will be forthcoming as well as a Web page for this DXpedition.

EU-125. Volker, DJ8VW, will be active as 5P8VW from **Romo Island** between December 6-20th. Activity will be on 160-6 meters. QSL to his home call sign, direct, by the Bureau, LoTW or eQSL.

PJ2, NETHERLANDS ANTILLES. Joeke, PA0VDV, active as PJ2/PA0VDV from Curacao (SA-006) between Nov 20th and Dec 26th. Activity will be on 80-10 meters CW only. QSL via his home call sign, by the Bureau or direct.

V4, ST. KITTS. John, W5JON/V47JA, informs us that he will be active once again from his vacation home in Calypso Bay, St. Kitts (NA-104, WW Loc. FK87SG), located 200 feet from the Caribbean Sea, between January 20th and March 1st. Activity will be on 160-6 meters (incl. 60m) using SSB. Equipment is a Kenwood TS-590S and Elecraft KPA500 Amplifier. Antennas include: a 80-10m Multi-band Dipole, 40-10m 31 ft. Verticals, 35 ft. 40/80m Top Loaded Vertical, and shortened 160m Dipole. Also, a 3 element Yagi for 6m. Also, XYL Cathy, W5HAM, will occasionally operate as V47HAM. ALL QSLs go to W5JON direct only or via LoTW. NO Bureau QSLs.

VK9N, NORFOLK ISLAND. Michael, G7VJR, (author of ClubLog) will be active as VK9/G7VJR from Norfolk Island (OC-005) between December 26th and January 2nd (2015). Activity will be holiday style on the HF bands using CW with an Elecraft K3 and 100 watts. QSL via M0OXO or LoTW.

VR2, HONG KONG. Jeffrey, K0UU, will be active as VR2UU from Hong Kong (AS-006, WLOTA 1591) until the end of 2015. QSL via LoTW preferred. His direct mailing address is good through December 2015 at: Jeffrey Strandberg, 80 Robinson Rd, T1-20C, Hong Kong S.A.R.

YC8, INDONESIA. Ron, YC8ROP, will be active from **Sangihe Island** (OC-210) during the ARRL International DX SSB Contest (March 7-8th) and the CQWW WPX SSB Contest (March 28-29th) as a Single-Op/Single-Band (15m)/Low-Power entries. QSL via LoTW or direct to YC8OP.

As I mentioned last month, there's some great DX coming up. Get on the air and work some of it.

Until next year.... 73.

Chuck, W8PT

aka 'Charlie the Tuner'



Paper Chase

It is now the week before Thanksgiving and I am wondering what Christmas decorations I will start putting up on Black Friday. My wife will be away at the mall and other stores, so I will have plenty of time to myself. The tree, stored under the train table, will be blue and gold this year. *GO NAVY - BEAT ARMY*!

I am reminded of the other service, the Air Force, because I recently received a QSL card from WW2COS,

The Mighty Eighth Air Force Museum Radio Club. The club is made up of amateurs interested in restoring and operating the radio room of the B-17G "City of Savannah". The airplane has been undergoing a complete restoration for the past 2-1/2 years. When finished, the plane will have original operational radio equipment along with a Kenwood TS-480SAT HF radio and a Kenwood TM-D710A UHF/VHF radio. For Antennas, a G5RV HF antenna and a Diamond X-50NA UHF/VHF antenna will be used. There is also a separate wire antenna for the BC-348 receiver, original equipment. The coax for the radios is run through the left wing to the wing tip



and then out into the display area. From there it is run through the wall to an outside connection point. The web site for the Mighty Eighth Air Force Museum is: http://www.mightyeighth.org/.

Planes make a natural subject for a collage of QSL cards. Here are a few I have received over the years. Make your own collage and share it with the club. The K0KSU Special Event Station commemorated the non-stop without refueling around the world flight of the Virgin Atlantic Global Flyer, The trip took 67 hours and was piloted by Steve Fossett. He was the first person to fly solo nonstop around the world in a balloon. He actually made five nonstop circumnavigations of the Earth: as a long-distance solo balloonist, as a sailor, and as a solo flight fixed-wing aircraft pilot.





Was Fosset the first person to fly around the world without

refueling? No, Dick Rutan and Jeana Yeager did it aboard the Voyager. They completed their journey on December 23, 1986. Were any of these the most famous pilot or was it

Wilber Wight who flew the first plane, Chuck Yager who was the first person to successfully fly faster than the speed of sound, Jimmy Doolittle who led the raid on Tokyo? You probably have your own favorite.



So who is the most famous pilot to fly around the word. You know him by his farewell as he flies out of sight, "*Happy Christmas to all, and to all a good night!*" Happy Christmas - **W8S**

Trivia: Sixty-five years ago the #1 Christmas song was, "Rudolph the Red-Nosed Reindeer."

Hope to hear you on the air, *Joe*, *W8KNO*



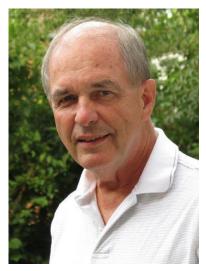
ARRL Members Elect Great Lakes Vice Director

The only other contest was in the ARRL Great Lakes Division, where current Vice Director Tom Delaney, W8WTD, received 822 votes to 517 cast for Steve Putman, N8ZR, who died earlier this fall while balloting already was underway.

Delaney, who served for several years previously as a Public Information Officer, was appointed as Vice Director earlier this year to succeed the former Vice Director, Dale Williams, WA8EFK.

Williams moved into the Director's chair after Jim Weaver, K8JE, resigned from the Board. Williams was the only candidate for Great Lakes Division Director and has been declared elected.

Those elected take office for 3-year terms starting at noon Eastern Time on January 1, 2015.



Tom Delaney, W8WTD

From the ARRL



DX/Contest SIG Update

Greetings to all you DX'ers and Contesters. Last night's meeting was enjoyable even though only two people showed up. I am hoping that we can chalk that up to a holiday week with a lot to do. Given that thought, I have decided to cancel December's DX/Contest SIG since it would take place two days before Christmas. I don't know about all of you, but that week is very busy for me. So I wanted to give you a very early head's up so that if you have other things to do, you can plan them without concern regarding being at the club site a day before Christmas Eve.

I have also received some requests to be dropped off of the notification of DXpeditions taking place as well as IOTA activations. Given that this would take a person completely off of the PCARS Email list, we have come up with the idea of having a list of those who still want to continue to receive these notifications. We would set up a separate QST list that I could use to send out the notices.

In order to do this, I would like to have all those who *DO NOT WANT* these notices, to send me their name and call sign in an email. We will then make up the list for those who still want to be notified.

Your email does not have to be long. Just use **NO DX/IOTA** in the subject line and list you name and call sign in the body of the email. That should do it. There may be many of you who never get on the HF bands to work DX and would simply like to receive one less email.

Chuck, W8PT



Portage County Amateur Radio Service, Inc. (PCARS)

The RADIOGRAM

CQ Boogie



Check it out. **K6RFE** George "*Buck*" Miner who now lives in Sun City, Arizona wrote and recorded in Nashville in the 70's.

"Let r flip!" Buck sings the "CQ Boogie" and the "Radio Widow" https://www.youtube.com/watch?v=IMaid3pjcjg&app=desktop

There are other ones on YouTube from Buck - at 87, he's still hanging in there.

Tim, K3LR



Hamfest Schedule

02/01/2015 - NOARS Winter Hamfest & Computer Show - Location: VFW Post 1079 - 500 South Abbe Road - Elyria, OH 44035 - Website: http://www.noars.net/ - Sponsor: Northern Ohio Amateur Radio Society - Contact: Darlene Ohman, KA8VTS - 161 Herrmann Drive Avon Lake, OH 44012 - Phone: 216-398-8858 - Email: winterhamfest@noars.net

02/15/2015 - Mansfield Mid-Winter Hamfest - Location: Richland County Fairgrounds - 750 North Home Road - Mansfield, OH 44901 - Website: http://www.W8WE.org - Sponsor: InterCity Amateur Radio Club - Contact: Danny Bailey, KB8STK - 70 Euclid Street Shiloh, OH 44878 - Phone: 419-896-2165 - Email: <a href="https://www.kb8stkl.goog.norm.new.goog.new.goog.norm.new.goog.norm.new.goog.norm.new.goog.norm.new.goog.norm.new.goog.norm.

04/11/2015 - Cuyahoga Falls ARC's 61st Annual Hamfest - Location: Emidio & Sons Party Center - 48 East Bath Road - Cuyahoga Falls, OH 44221 - Website: http://www.cfarc.org/hamfest.php - Sponsor: Cuyahoga Falls Amateur Radio Club - Contact: Ted Sarah, W8TTS - 239 Bermont Avenue Munroe Falls, OH 44262 - Phone: 234-206-0270 - Email: hamfest2015@cfarc.org



MFJ Day at DX Engineering

Mark your calendars - Saturday - January 10, 2015 - MFJ Day at DX Engineering!

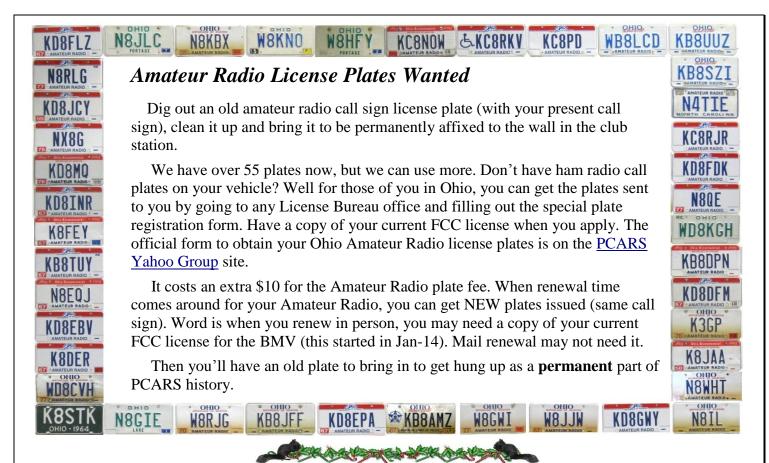


MFJ will be at the DX Engineering store located inside of Summit Racing - 1200 Southeast Ave. - Tallmadge, Ohio with bargain prices on the entire MFJ/Cushcraft/Hy-Gain/Amertiron/Mirage and

Vectronics line of products. Plus, DX Engineering will have many items on sale as well.

Hours will be 9 am until 2 pm. Hourly drawings. Meet Martin Jue, K5FLU from MFJ and Tim Duffy, K3LR from DX Engineering. The DX Engineering staff will be on hand to assist and answer any questions you may have about amateur radio products.





PCARS Meetings

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

PCARS meets at the **Overlook Restaurant** in **Twin Lakes**

(formerly known as the Twin Lakes Country Club). Address is 1519 Overlook Road in Twin Lakes.

Meetings are in the club house (big white building) on the north side of Overlook Road.

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





Homeland Security's 2014 National Emergency Communications Plan Incorporates Amateur Radio

The US Department of Homeland Security's 2014 National Emergency Communications Plan (NECP) (http://www.dhs.gov/necp) has incorporated Amateur Radio in its mix of media that could support and sustain communications in a disaster or emergency. The 2014 NECP is the first update since the original plan was

released in 2008. The NECP is "the nation's over-arching strategic plan for enhancing emergency communications capabilities and interoperability nationwide," DHS said in announcing the updated plan on November 12.

"[A]mateur radio operators...can be important conduits for relaying information to response agencies and personnel when other forms of communications have failed or have been disrupted," the NECP states.

The NECP also describes changes that lie ahead for emergency communication systems, such as 9-1-1 systems. "In the future, Next Generation 9-1-1 will enhance the capabilities of current 9-1-1 networks, allowing the public to transmit pictures, videos, and text messages that will provide additional situational awareness to dispatchers and emergency responders," the NECP says.

The updated NECP stresses the importance of interoperability. It recommends that state, regional, and local administrations "assess their existing governance structures to ensure they are positioned to address current and emerging

National Emergency
Communications Plan

2014

We Homeland Security

policy, technology, and planning developments." This effort, the NECP continues, could include the addition of representatives from the Amateur Radio community to statewide interoperability governing bodies and executive committees.

The NECP also recommends that federal, state, local, tribal, and territorial jurisdictions "identify domestic and international entities with potential roles in information sharing and the delivery of emergency communications during emergencies," such as Amateur Radio operators. "As appropriate, these entities should be incorporated into training and exercise activities on a more regular basis," the NECP suggests.

The Federal Emergency Management Agency (FEMA) - a part of the Department of Homeland Security - is headed by a radio amateur and ARRL member, W. Craig Fugate, KK4INZ.

http://www.dhs.gov/sites/default/files/publications/2014%20National%20Emergency%20Communications%20Plan_October%2029%202014.pdf

From the ARRL





Massillon Hamfest Report

I got to the Massillon Hamfest at about 8 AM. Just light traffic going all the way there. Walked around the vendor area about three times. Said hi to a few PCARS members who were also there. The Ohio SEC was there as well.

Was a little thin in the ham operator vendors. A couple of parts vendors took up the most tables there.

Lots of folks and the were moving real slow checking out all the stuff.





About the biggest seller, from what I saw, was no-name coax connectors. Did see some Drake ham radios and a Ten Tec Omni like mine with a few more options going for \$800.

Also spotted a couple of older short wave receivers, a number of Arrow type

dual band 2 and 440 antennas that someone had made and were selling. There were a number of heath kit color bar generators and some small military wire tuners.



After seeing everything at least three time, I headed homeward. The sun was out for the return trip, still light traffic. All-in-all, a pleasant morning.

Al, KB8VJL



From the Shack of KA8TOA



Happy Holiday Greetings to all. Some of us new Amateur Extras are going to try to become VEs after the holidays.

Here's a quick shot of my 2 meter beam antenna at the home QTH pointed right at Ravenna so I can get in on the Thursday night PCARS nets. You'll see I got the Christmas lights up before we got hit with the early snow!

Greg, KA8TOA



K3LR and the CQ World-Wide DX Phone Contest

During PCARS' visit to K3LR last July, PCARS members got to see up close, the antennas and radios that go into making a world-class contest station. The following really shows you how all that great equipment we got to see in person, and how the hard work pays off when you have a dedicated team effort during a contest.

The CQ World-Wide SSB Contest was held in October and the K3LR team was in action!

K3LR - multi-multi - 48 hours	32,840,580 Points
-------------------------------	-------------------

Band	QSOs	QSO Points	Zones	Countries	Operators
160	417	353	16	48	N2NC
80	864	2144	26	102	N5UM, DL1QQ, K3LR
40	2053	5013	38	137	W2RQ, W5OV, K3LA
20	2786	7268	39	168	N2NT, K1AR, DL1QQ
15	3327	9295	39	164	K3UA, N2IC, WM2H
10	3242	9296	38	170	N3GJ, LU7DW

The following are some of comments posted just shortly after the contest was over:

The K3LR team is very fortunate to compete along side the top multi multi stations in the USA and around the world.

This is what it is all about, enjoying your friends and operating the radio in the CQWW phone contest. All of the bands were packed and we enjoyed some amazing DX propagation. The MUF was very high!

Thanks to the contest ops who traveled long distances to operate at K3LR. Sharing 48 hours in a small room full of great friends with HF radios - enjoying our radio hobby - this is what makes radio contesting THE BEST.



Back Row: WM2H, N2NC, LU7DW, K3LA, N2NT, N3GJ, N2IC, W5OV, K1AR, N5UM, K3UA Front: DL1QQ, K3LR, W2RQ

The highest hourly rate ever at K3LR happened Saturday morning on 10 meters with K1AR and N3GJ operating - a 377 hour (and a 299 hour just before). That is just unreal AMAZING from the USA! LU7DW worked some real magic on 10 meters as well. 15 meters was very cool with K3UA,



WM2H and N2IC piloting the new stacked array on the run station. W5OV, K3LA and W2RQ did an outstanding job on 40 meters. It was neat to watch N2NT, DL1QQ and K1AR grind away on 20 meters to another outstanding total band score. N5UM and DL1QQ pushed really hard on 80 meters with some great rates. TopBand maven N2NC hung tough and came away with great numbers. A five band DXCC in one weekend by team K3LR!

The secret weapon at K3LR is Sal, WM2H who handled all of the chef duties and motivation for the operators at K3LR - a 100% SUPER job Sal! And Sal operated more in this contest than ever before at K3LR - 15 meters all night long.

You can see all the pictures and find more statistics on the K3LR effort with this contest at the K3LR web site: http://www.k3lr.com/2014/CQ14PH/



Thanks & 73

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

As PCARS enters the 10th year - I want to wish all of you a very Merry Christmas, Happy and Joyous New Year - and a bunch of good DX, too!

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

WB8LCD, KC8PD, KB8UUZ, N8RLG, KC8UNR, K8CAV, NS8Y, KB6NU, W8PT, W8KNO, K3LR, KB8VJL, KA8TOA the ARRL & the World-Wide Web.

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



Tom "Parky", KB8UUZ
PCARS Newsletter Editor



















Amateur Radio GENERAL Class ~ Upgrade Class ~



The Portage County Amateur Radio Service, Inc.

(**PCARS**) is offering a General Class upgrade course

When: Tuesday Evenings 7:00 p.m.

Starting January 13, 2015

License testing will be held on the last day of class March 3rd

Where: At the PCARS Club Site located in the

Dietrich Building - 705 Oakwood Street - Ravenna.

Cost: \$25.00 registration fee for non-PCARS members

Your \$25 fee includes a One Year Membership in PCARS

There is **no** fee for current PCARS members

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

Information & Contact: **Tom Sly, WB8LCD**Registration: by e-mail: **WB8LCD@portcars.org**

or phone: 330-554-4650

Please register with Tom, WB8LCD by January 10th You can pay the registration fee the first night of class

As a **General Class Amateur Radio Operator** you will be able to Contact other ham radio operators in the area around the world on the HF Bands.

It will open up a whole new area of fun for you in Amateur Radio.



Portage County Amateur Radio Service, Inc.



PCARS - K8BF

Tenth Annual

"Freeze Your Acorns Off" (FYAO) QRP mini-field day **Special Event Station**



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

When: Saturday - Feb. 14, 2015

Set up: 9am

Operating Time: 10am - 4pm EST



We will be active on CW & Phone in the General areas of the 6, 10, 15, 20, 40 and 80 meter bands (Repeater & Echolink on the K8SRR echo link node for a certificate) and anything else we can get working. Club Call Sign **K8BF** for a certificate. Other participating stations will be using their own callsign/FYAO, or calling "CQ FYAO" (only stations at the Freeze Your Acorns Off event should use the /FYAO designator).

Yes, we'll be braving the cold snowy weather of North Eastern Ohio to set up QRP stations using portable power and antennas.

A beautiful color (suitable for framing) 8" x 10" certificate will be available if you contact K8BF and send your QSL with a large SASE to the club call trustee: Bob Hewett, K8FEY - 3670 Sea Ray Cove - Reminderville, OH 44202



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

Check PCARS out on the web at: www.portcars.org



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KJ4MPN	KD8MLF	KD8MLE	KD8NLQ	KW8KW	N80NI	WA8GCF	KA8TOA	K8MSF	WA80KR	N8IL	WD8RAY	W8RID	W8DAC	K8STK	AF1K	KD80KK	KD8PBL	WD8CVH	KD8ERY	KD8QEI	NC8T	KD8PMH	N8WHT	KD8PTQ	KD8DQT	KD8QEJ	KD8QDZ	WA4WGA	WD8PME	KD8RHW
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KD8EPA	KB8JFF	K8FEY	WB2DFC	N8ZDR	KD8FLZ	N8XTH	KD8FDK	KBQF	N8GLK	NBATV	N8GIE	KC8KYW	KD8GHB	KD8GGZ	KB8AMZ	KD8FME	WX1DER	N8QE	K8CAV	K8SRR	WA8AR	K8GI	KD8HGI	N8JLC	KD8CGF	KC8DBX	KD8GHA	N8RLG	KD8ICP	KD8DFL
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Portage County Amateur Radio Service, Inc. (PCARS)

Portage County Amateur Radio Service, Inc. (PCARS) Membership Application [] New [] Renewal

Name:		Call Sign:	License Class:
Address:			
City:		State:	ZIP:
Phone:	E-	Mail Address:	
ARRL M	Member? [] Yes [] No	ARRL Membership Expires Mo	nth: Year:
	Birthday: Month:	Day: (don't nee	d year)
]		in the first year of membership for all uses are due no later than Jan 31st. Dues at 20 for entire year. If paid on June 1st, \$1:	re as follows:
Check One)	Pro-Rated Du	es Amount:
	Regular Full Membership	Pay January 1 through May 31= \$ Pay June 1 through August 31 = \$	
	Associate Membership	Pay September 1 through Novemb Pay December 1 through Decemb	$ext{def} = $10.00 ext{ (last 4 months)}$
	Regular Senior Full Membership (65+)	Pay January 1 through May 31= \$ Pay June 1 through August 31 = \$	12.00 (last 7 months)
	Associate Senior Membership (65+)	Pay September 1 through November 1 through December 1	
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	Family = wife, husband, brother, sister, so operator and who's FCC license has the secks can be made out to either "PCARS"	ame address as the paid regular memb	per's FCC license)
	OUR Ham Radio interests:		,
Signed:		Date:	
	ortage County Amateur Radio Service, Inc. : Amy Leggiero - KD8SKL 115 Steels Corners Rd. W. Cuyahoga Falls, OH 44223	Date Received: O New	O Renew = Total \$ # Member Number:

The RADIOGRAM

December 2014

Page 36 of 37



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

PCARS meets at the **Overlook Restaurant** in Twin Lakes (*formerly known as the Twin Lakes Country Club*). Address is: 1519 Overlook Road in Twin Lakes. Meeting are in the club house (big white building) on the north side of Overlook Road.

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

"When All Else Fails - Amateur Radio Works"

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

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

2014 PCARS Appointments & Committees

ARRL Awards - DXCC WAS, VUCC, WAC	W8KNO	Joe Wehner
ARRL Awards - WAS	KB8UUZ	Tom Parkinson
Club Site	KC8PD	Jim Aylward
Contest	W8KNO	Joe Wehner
Coordinators	W8PT	Chuck Patellis
EchoLink	K8SRR	Steve Randlett
Field Day Chairman 2015	W8PT	Chuck Patellis
F.Y.A.O. Chairman	W8PT	Chuck Patellis
Historian	KB8SZI	Peggy Parkinson
K8BF Callsign Trustee	K8FEY	Bob Hewett
K8BF QSL Manager	K8FEY	Bob Hewett
Net Coordinator	WB8LCD	Tom Sly
Newsletter	KB8UUZ	Tom Parkinson
OSPOTA Chairman	KB8UUZ	Tom Parkinson
P.I.O.	WA8AR	Tony Romito
Secretary	KD8SKL	Amy Leggiero
V.E. Liaison	N8RLG	Robert Gurney
Webmaster	KD8MQ	John Myers

	KC8PD	Jim	Aylward
	KB8UUZ	Tom	Parkinson
IUD	WB8LCD	Tom	Sly
MATEUR RADI	N8XTH	Deron	Boring
AARRI	N8PXW	Jim	Korenz
VEC	N8QE	Bob	Hajdak
S VEC 5	W8PT	Chuck	Patellis
CWIEER EXAMIN	K8IV	Ed	Polack
	WD8CVH	Ted	Wands
PCARS	N8RLG	Robert	Gurney
Active	KD8FLZ	Mike	DiCarro
Volunteer	WA8CCU	Al	Nagy
Examiner	NR8W	Russ	Williams
Team	W8EZT	Frank	Tompkins
Members	N8OQQ	Bryan	Buchwalter
	AC8NT	Jim	Wilson
	K8MSH	Mark	Haverstock









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) newsletter of the Portage County Amateur Radio Service, Inc. (PCARS) − copyright © 2014. 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 material in this newsletter, all we ask is that you give credit to PCARS along with the author of the article. The RADIOGRAM comes out the first day of each month (usually), please have inputs submitted by 8 pm ET on the last Friday of each month. ARES® (Amateur Radio Emergency Service®) is a program of, and both logos are registered trademarks (used with permission) of the American Radio Relay League, Inc. ARRL, the National Association for Amateur RadioTM. Why the Black Squirrel in our logo? For those of you not familiar with it: The Black Squirrel is now commonly seen around Portage County, Ohio. Seems that some of these little guys and gals got loose from Kent State University back in 1961. 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 the *Electronic E-Mail* version of the PCARS Newsletter, The RADIOGRAM. The advantages to receiving this way are: You get COLOR pictures, NO postage needed, and delivered right to YOUR e-mail box! The RADIOGRAM is published every month and is sent only to subscribers. If you would prefer not to receive this newsletter, we understand. We'll try not to take it personally. It's not you saying you don't like us, but maybe you just don't have the time to look at all this hard work we've done just for you. Hey, that's cool. But if your heart is truly set on making sure you no longer receive this newsletter, even though we promise to one day reveal the meaning of life in it and you're going to be really upset when you miss out on that, we can take you off the e-mail list.

Portage County Amateur Radio Service, Inc. (PCARS) Tom Parkinson - KB8UUZ - Newsletter Editor







100 and Counting	Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
13 Colomies Special Event 10 12	100 and Counting				•	20				•			
Akron University Balloon Launch	13 Colonies Special Event							10					
ALL HANDS	20/9 ARC Hamfest Returns to Youngstown							12					
Amenian Ratios Accident	Akron University Balloon Launch				26								
Antenna Raising Accident							27						
Antenna Raising Accident	Amateur Radio - Wireless Comm			26									
Antenna Repairs at the Club Site						22							
April is only a few Months Away										22			
ARRL Centennial Convention			30	27									
ARRL Centennial Convention												19	
ARRL Centennial Convention		38	35	42	44	32	41	32					
ARRL Centennial QSO Party	ARRL Centennial Convention								29				
ARRL Membership		16											
ARRL Membership									9				
ARRL National Convention - Info 25 16 37 13 12				27									
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Balloon Launch, High Altitude				25									
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Center of Hope Information Sheet 20 20 20 20 20 20 20 2								/				0	6
Changes to Part 97 Rules													0
Charlie the Tuner - HF High Lites								20				36	
Christmas Delivery Delays		24	1.4	20	21	0	12		21	21	10	20	21
Club Flagged for HIPAA Violations 23 30 Club Site Antenna Repairs 30 Congrats - Newly Elected PCARS Officers 5 Contest Calendar 9 6 7 10 6 6 7 6 6 6 5 7 Contest Update with PCARS 22 Cost of QSLing Goes Up - Again 10 Couple of Things From Little Rock 19 CQ Boogie 24 CQ Contest de VP9I 24 CQ-QWW DX Phone from K3LR 30 CW Class 36 18 CWC Class 30 15 Dale's Tales 30 15 Disclaimer 40 D-STAR is Alive in Akron 7 Dues Form - PCARS 32 33 41 Duga-3, Ukraine 11 Dx-Gearth 27 E-Mail Updates -PLEASE 36 EmComm 15 12 15 24 16 6 8 7 7 7 7 7 7 9 Extra Class Upgrade Flier 36			14	20	31	0	12	21	21	31	16	20	Δ1
Club Site Antenna Repairs 30 5 5 Contest Calendar 9 6 7 10 6 6 7 6 6 6 5 7 7 7 7 5 5 5 5 5		1 /			22								-
Congrats - Newly Elected PCARS Officers S S S S S S S S S					23							20	-
Contest Calendar			1			1						30	-
Contest Update with PCARS		0		7	10			7				-	
Cost of QSLing Goes Up - Again 10		9	6	/	10	6	6	/	6		6	3	/
Couple of Things From Little Rock 19 CQ Boogie 26 CQ Contest de VP9I 24 CQ CQ All D-Star Users 12 CQ-WW DX Phone from K3LR 30 Cruise-In 36 CW Class 10 Dale's Tales 30 Disclaimer 40 D-STAR is Alive in Akron 7 Dues are Due 21 Dues Form - PCARS 32 Duga-3, Ukraine 11 DXpeditions Are On The Way 27 E-Mail Updates -PLEASE 36 EmComm 15 12 15 24 16 6 8 7 7 7 7 9 Extra Class Upgrade Flier 36 46 6 8 7 7 7 7 9		1.0								22			
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Extra Class Upgrade Flier 36	•												
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		36											
Father's Day Card	Father's Day Card							21					



FCC reimses Grean Certificate FCC reimses alter Fund Page FCC reimses alter Morse Code Test FEC day 2014 Feel Day Operator Stats Feel Day 2014 Feel Day Operator Stats Feel Day Neport for 20 Meters Feel Day Report for 20 Meters Feel Day Feel Day Report for 20 Meters Feel Day F	Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
FeCt or Reinstate Morse Code Test	FCC Promises Great Certificate				28								
Field Day Operator Stats	FCC retires old Front Page		30										
Field Day Operator States	FCC to Reinstate Morse Code Test				29								
Field Day Pictures	Field Day 2014		6	19	18	21	28	20	13				13
Field Day Report for 20 Meters	Field Day Operator Stats								15				
Fisel Day Top 33 Operators	Field Day Pictures								12				
Free Staff	Field Day Report for 20 Meters								28				
Fun Video	Field Day Top 33 Operators								14				
FYAO 2014 Flier	Free Stuff!												20
FYAO 2014 Filter	Fun Video				17								
FYAO 2014 KBBUHN is the Winner	FYAO - Team Klondike			31									
FYAO 2014 Pictures	FYAO 2014 Flier	34	34										
FYAO 2014 Wrap Up- KD8MQ	FYAO 2014 KB8UHN is the Winner		26	16	34								
FYAO 2015 Flier	FYAO 2014 Pictures			36									
Gary Johnston Honored	FYAO 2014 Wrap Up - KD8MQ				14								
Gay Wands, WB8VNO - SK	FYAO 2015 Flier												34
General Class Upgrade Flier	Gary Johnston Honored												12
Get Your Digital Station Running 13	Gay Wands, WB8VNO - SK	4											
Great Lakes Vice Director Elected	General Class Upgrade Flier	35											33
Ham Attends 11 Storm Spotter Classes	Get Your Digital Station Running		13										
Ham Cram at DX Engineering	Great Lakes Vice Director Elected												25
Ham Cram: Good or No? 29	Ham Attends 11 Storm Spotter Classes				39								
Ham License Plates Wanted	Ham Cram at DX Engineering		5										
Ham Looks for New Hobby	Ham Cram: Good or No?		29										
Ham Nation Live, Members Watch 21	Ham License Plates Wanted	18	18	28	35	26	33	27	34	30	26	29	27
Ham Nation Spotlights PCARS	Ham Looks for New Hobby				17								
Ham Radio Wedding	Ham Nation Live, Members Watch	21											
Ham Tunes	Ham Nation Spotlights PCARS	7											
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Hamfest Report - HamCation®	Hamfest Calendar	10	7	10	14	11	16	11	9	11	8	11	26
Hamvention 2014									27				
Hamvention Bus Trip				33									
Hamvention Bus Trip 2014 Flier 38 43 31				12		13	36						
Happy Birthday				-	23								
Headwaters Adventure	Hamvention® Bus Trip 2014 Flier			38	43	31							
Heavenly Day, It's Gay	Happy Birthday	10	6	5	6	5	5	6	5	5	5	4	6
Hello from Korea	Headwaters Adventure							9	8				
Hello Norm 17 8 8 Here an Elmer, There an Elmer 28 28 Homeland Security & Amateur Radio 27 6 How Electronic Devices Work 27 30 How Old is that HP Test Equipment 6 30 Huge Thank You for a Job Well Done 30 30 L.S.S. Astroviewer 10 30 Introduction to EMCOMM Class 20 19 29 It's Spring (FINALLY!) 25 30 Juno Project Update 40 30 K3LR Contest Station Visit 19 30 K3LR Elected - WPA Section Manager 25 30 K8IV Repeater Update 23 30 KA8TOA Shack 29 Kent State Makers Faire 27 30	Heavenly Day, It's Gay	4											
Here an Elmer, There an Elmer	Hello from Korea			11									
Homeland Security & Amateur Radio				17									
How Electronic Devices Work											8		
How Old is that HP Test Equipment	Homeland Security & Amateur Radio												28
Huge Thank You for a Job Well Done							27						
I.S.S. Astroviewer 10	How Old is that HP Test Equipment										6		
Introduction to EMCOMM Class 20 19 29	- E								30				
It's Spring (FINALLY!) 25					10								
Juno Project Update 40 19 K3LR Contest Station Visit 19 19 K3LR Elected - WPA Section Manager 23 19 K8IV Repeater Update 23 29 KA8TOA Shack 27 27		20	19	29									
K3LR Contest Station Visit 19 K3LR Elected - WPA Section Manager 19 K8IV Repeater Update 23 KA8TOA Shack 29 Kent State Makers Faire 27													
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K8IV Repeater Update23KA8TOA Shack29Kent State Makers Faire27	K3LR Contest Station Visit							19					
KA8TOA Shack 29 Kent State Makers Faire 27													19
Kent State Makers Faire 27							23						
													29
Kids Day						27							
	Kids Day	29											



Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Last Man Standing - PCARS Member				•					24			
Let's Talk								17	19	13	16	17
Linux and Ham Radio									24			
Local Club Says NO to Chicken Salad							30					
Local Ham Upset FD Has Lost Its Spirit								16				
Long Reach Antenna System				18								
Looking for a Fox?				11								
Looking for a new PCARS Secretary												19
Lost in Translation										28		
Louis Varney, G5RV					17							
Magic Band - Revisited		22										
Man Found in Hara Arena						22						
Man from Mars Radio Hat				36								
Mark Your Calendars	6	3	4	4	4	4	4	4	4	4	3	5
Massillon Hamfest Report												29
Meetings, PCARS	18	18	28	35	26	33	27	34	30	26	29	27
Merry Christmas											-	35
MFJ Day at DX Engineering												26
My First Trip to Dayton						15						
Mysterious Line "A"					19							
Net Info & NCS Schedule	11	8	13	20	14	21	13	11	13	11	13	15
Net Night at the Club Site					4	5			23		13	
Net Night Quiz		9			23			20			14	
Net Night Quiz Answers		11			25			32			35	
New Awards Spark Interest in Ham Radio		- 11		26				32			55	
New Ohio ARRL ACC - John, KD8MQ							9					
Nifty Stuff on the Web											35	
North American SSB Sprint										10	55	
November Sweepstakes										- 10	6	
Ode to Morse Code									16		0	
Ohio Amateur License Plates							18		10			
Ohio Antenna Case			30				-10					
Ohio Antenna Law Challenge May Be Over						11						
Ohio B-BQSO Party									26			
Ohio QSO Party								32	28			
Ohio SEC Information							19	32	20			
Ohio Section - New Appointees	11						17					
Ohio Section Logo									20			
Ohio Section Manager						8			20			
One of my Favorite Bands						21						
OSPOTA					7	21				9	31	
OSPOTA 2014 - Club Participation											32	
OSPOTA 2014 - Crus r articipation											33	
OSPOTA 2014 - Scores		<u> </u>			1						33	15
OSPOTA Certificate Feedback		28			1							1.5
OSPOTA Flier		20			1		31	37	41			
OSPOTA Filel OSPOTA is Almost Here	1	 				 	J1	28	29			\vdash
OSPOTA K8CAV from Mt. Gilead State Park		 			 	 		20	2)	15		\vdash
Out with the Old, In with the New		27			 	 			-	13		\vdash
Paper Chase	<u> </u>	7	6	7	6	9		19	25	17	28	24
Patches & Stickers, PCARS	11	8	13	20	14	20	13	10	11	9	12	13
PCARS Picnic	11	- 0	13	20	14	20	13	10	23		12	1.0
Pictures from Antenna Day		 			 	34			23			\vdash
Pictures from Net Night		1			28	24			1			\vdash
Pictures from Net Night Pictures from Santa's Visit	31	1			20	1			1			\vdash
Pictures from the Cruise-In	31	1			 	1			39			\vdash
1 ictures from the Cruise-III	I	I			I	I .	l .		39	l .		



Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Pictures from the January Workshop		31										
Pictures from the K3LR Visit							28					
Pictures from the Meeting	30	32	37	42	30	35	29	35	38	30	37	32
Pictures from the Repeater Repairs									40			
Powerpole® Project			18									
Powerpole® Project - More Pictures			35									
President, From the	1	1	1	1	1	1	1	1	1	1	1	1
President's Award	8											
Protect Your Gear from ESD		25										
Radio Magazine Calls Contest a Failure				21								
Radiogram Wins Again									29			
Radiosport Championship Returns to USA						18						
Reverse Tower Party												8
Riley Hollingsworth - Enforcement												10
Rookie RTTY Roundup									8			
Rules of Radio				26								
Satellite Phone ?		23										
Scott Yonally, N8SY - New Ohio Section Mgr							15					
Selling Your Gear on eBay										23	25	
Shack Shot - K8QF			34									
Shack Shot - N8IL						32						
SIG - Digital			7									14
SIG - DX/Contest								12				25
SIG - Linux			10									
So True				38								
Soggy, Rainy, Stormy, FUN !!!						26						
Some Words from Weaver						29	15					
Special Event - D-Day						10						
Special Event - HI-SEAS - Mars Landing				16								
Special Event - Last Man Standing K6H									9			
Special Event - Marconi Day				34								
Special Event - Moose Anniversary					25	33						
Special Event Is More Than Just Lots of Q's				9								
Spring Forward - Fall Back			5								18	
Stainless Steel Thread Galling	28											
Stark County VHF QSO Party			34	40								
Swap-N-Shop	14	10	14	21	15	21	14	11	13	11	16	16
Technician Class Flier		10	40		10			39	43		- 10	- 10
Tenth W4DXCC Conference			10					37	13		10	
Thanks & 73	29	28	35	41	29	40	30	33	37	29	36	31
Top 100 - Most Wanted DX		24	33			10	30	- 55	37	27	50	- 31
Twitter: Another Tool										27		
Ultimate Transceiver at Dayton Hamfest				25						2,		
Updates - Please				6								
VE - Testing Rules Change	1								14			\vdash
VE Notes	1	26		5					1.			\vdash
VE Test Sessions	7	5	5	5	5	4	5	5	5	5	4	7
VE Testing in Mercer County, PA	<u> </u>						5			3	7	
Vice President, From the	5	4	3	3	3	3	3	3	3	3	2	3
VOM Day at PCARS				15	J	٦	ی	ی		ی		
W100AW for League's Centennial	9		<u> </u>	1.0								
W1AW/p Station Information							16					
We Hit 100						17	10		-			\vdash
We Need Your Help	23					1/			1			\vdash
What is HR 4969 ?	23							6	1			\vdash
What is the OO Corps & What Does It Do?					12			U	1			\vdash
Triat is the OO Corps & What Does it Do?	1	1	1	l	12	l			ı			



Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
What Makes PCARS What It Is	19											
Where's the CQ?		20										
Workshop Definitions				30								
WRARC Extra Class Flier	37											
Yahoo Group - OSPOTA							6	6	6			
Yahoo Group - PCARS	17	13	5	6	5	5	6	5	6	5	5	11
Your Choice				10								
YouTube - PCARS									9	8	11	12