



~ 2015 Officers ~

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1 Year Trustee - Erica Pelz - AE8YL
Past President - Tom Sly - WB8LCD

~ Meetings & Net ~

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

PCARS Incorporated
Nov. 1, 2005

First Meeting
Nov. 14, 2005



ARRL Affiliated
April 20, 2006



Special Services
Club
March 22, 2010

From the President

As cold snow and nasty as this last winter was, Mother Nature flipped the switch and April turned out to be pretty nice month as Aprils go in northeast Ohio! I'd venture a guess that a lot of you have already been out making repairs and setting up plans for that next amateur radio project outside. With May on the horizon, make sure to set aside some time for PCARS happenings.

Antenna Day, where we do a dress rehearsal for Field Day is coming up on Saturday May 9th. Chuck, W8PT has details elsewhere in the newsletter but we sure want to see you come out to help.

The following weekend is Dayton Hamvention and in addition to scoping out all the good stuff in Hara Arena, make a few minutes to show up for the annual PCARS Hamvention photo, time and place to be announced by Tom, WB8LCD. With the good weather here, it's time to think about providing help for Public Service events which Jim, KC8PD talks about in his column. These are one of the faces of Amateur Radio that the public sees and by providing our help with public service events, we also have the opportunity to show the public a bit of what Amateur Radio is all about. There is a lot more coming up as we move into summer, so stay tuned to the newsletter and the website to plan for lots of **K8BF, Big Fun** happenings.

Amateur Radio is growing. The license restructuring that started in 2001, culminating in the elimination of the CW requirement for obtaining an Amateur Radio license a bit later on, caused an impressive increase in the number of licensees which now number over 700,000. That's something to celebrate but like a number of other avocations the average age of the Amateur Radio Operator is increasing, and that doesn't bode well for the long term health of our hobby. Just as those of us in the 50's and 60's saw solid state as the new frontier, those of us in the 70's and 80's were in awe of the microchip, so today are young people looking at the latest technology and questioning how they will use it in their lives and in their avocations. If we want to attract these younger folks to our hobby, we need to make that connection between today's technology and Amateur Radio but the technology by itself won't do it.



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From the President *(continued from Page 1)*

It takes our younger Amateur Radio Operators who can relate to those young non-hams to make that connection and I'm happy to say we have a great group of those folks in PCARS who give their time and talents to do just that. At the Kent State Mini Maker Faire on May 10th they came out in force and wowed the college age crowd with a lot of popular, current, high tech things we use in Amateur Radio. It also takes older Amateur Radio Operators who have passion for our hobby, provide a sense of heritage in Amateur Radio, and support the efforts of our younger Amateur Radio Operators, and I'm happy to say we have a lot of those too!

Organized events such as Maker Faire are a great place to showcase Amateur Radio, but every one of us should take advantage of opportunities to introduce Amateur Radio to our family members, friends, and yes even that neighborhood kid that asks a million questions with hardly a pause to listen to the answer.

Getting people who are interested in amateur radio licensed is one of the more important functions of PCARS. PCARS holds two Technician License classes and one General License class every year. Until recently Tom, WB8LCD has coordinated the instructors, materials, and classroom for these classes and also provided the flyers for each of them, but has had to step down to reduce some of his workload. Jim, AC8NT has volunteered to become the new PCARS License Class Coordinator. I want to thank Jim for taking on this important club position. Please join me in welcoming him to this position and please consider helping him out when we conduct these classes.

Probably the biggest PCARS event of the year, Field Day is fast upon us. Chuck, W8PT has all of the Field Day leadership positions filled and he'll have a lot to say in his column. Now it's time for all of you to step up and make plans to support Field Day. We need operators and loggers, we need help with the food, power, and computer teams, and we need help to set up and tear down. Most of all, we need you to be there, whether it's helping out with the effort or just being there to share in fun and fellowship, make sure you join us for a great time.

73,

Rick, K8CAV
PCARS President



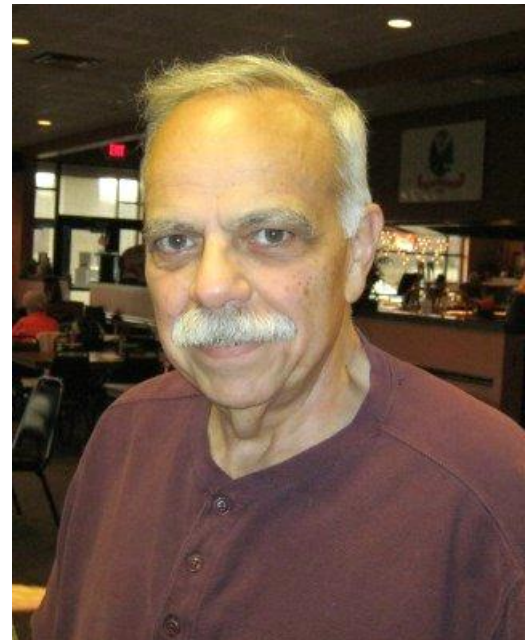
From the Vice President

Before we talk about all the fun Ham Radio activities scheduled for May, I want to call your attention to a somewhat more serious topic: HR 1301, The Amateur Radio Parity Act of 2015 was recently introduced into the US House of Representatives. The bill would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land use restrictions. HR 1301 would require the FCC to amend its Part 97 Amateur Service rules to apply the three-part test of the PRB-1 federal pre-emption policy to include homeowners' association regulations and deed restrictions, often referred to as "covenants, conditions, and restrictions" (CC&Rs). In other words the overbearing homeowner associations could be forced to allow Ham's to erect reasonable antenna structures regardless of existing restrictions. See the special article elsewhere in this newsletter for more information.

Now the fun stuff! May kicks off several months some of the best Ham Radio activities of the year. Things get going on Saturday May 9th with **Antenna Day**, the PCARS official dress rehearsal for Field Day. I have heard some question the value if this day since we seem to use a similar setup every year. However, the objectives of Antenna Day are to evaluate the exact setup we plan to use this year; attempt to improve the operational effectiveness of the K8BF multi-station setup and to introduce Field Day operations to new members and especially new hams; plus have some fun getting together as a group to build/test/dismantle our field station in just a couple hours.

Of course the other BIG event in May is the Dayton Hamvention, held May 15th through the 17th. Simply put it is the biggest Hamfest in the world! And we are lucky enough to have it held practically in our backyard. Ham's travel from all over the US and from around the world to attend, so if there is any way you can get there, even for a day, it will be worth it.

Yes, this is just the start of the many summer through fall Ham Radio activities planned by PCARS!



73,

Tony, WA8AR
PCARS Vice President



Happy Birthday PCARS Members

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

W8EZT Frank Tompkins
KA8UDS Ronald Harris

K8BBE Chuck Girt
K8NYM Wesley Ferrell

Mark Your Calendars

On the calendar for upcoming meetings and activities are:

- **May 9th - PCARS Antenna Day** - Ravenna City Park - 10 AM
- **June 27-28th - FIELD DAY** - Ravenna City Park - 10 AM
- **August 1st - Great Lakes Division Convention** - Columbus, OH



Special Interest Groups - Every Month at the Club Site in Ravenna - 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



Special Service Club Renewal

Most of you know that PCARS is an ARRL Affiliated Club, but we also have the distinction of being a Special Service Club which puts us in an elite group of clubs that are dedicated to the betterment of Amateur Radio. Special Service Clubs must demonstrate service to a number of different areas of Amateur Radio to include new ham development and training, public relations, emergency communications, technical advancement, operating activities, and other miscellaneous activities.



Past President Tom, WB8LCD submitted our renewal late last year and it was recently sent to the Ohio Section. During the April club meeting PCARS was honored to have the Ohio Section Manager, Scott Yonally N8SY, present PCARS with its Special Service Club certificate.



Scott, N8SY presents the renewal certificate
To PCARS President Rick, K8CAV

As you can see from the above there's a lot involved in being designated a Special Service Club, and it takes a lot of effort on the part of many of our members to make those things happen. More important even than the certificate itself is the fact that all of these folks make this happen for the benefit of their fellow hams and I can't express strongly enough my gratitude to these folks for what they do for PCARS and for Amateur Radio. With clubs like PCARS and members dedicated to them, Amateur Radio surely has a bright future.

Rick, K8CAV

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 VE Test Sessions

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

May 5th*, June 6th, June 27th, August 1st, October 3rd, December 5th**

** The May 5th Tuesday - 7pm at the club site. This is the end of the current Tech Class - walk-ins welcome*

*** The June 27th Saturday - 3pm at the PCARS Field Day site - Ravenna City Park - walk-ins welcome*

What to Bring to the Testing Session

- \$15 is the current test fee. We prefer the exact amount in cash or a check made out to: ARRL-VEC
- A government photo ID (**driver's license or state ID card preferred**).
- Your Social Security Number or FCC Federal Registration Number. We are required to submit either your Social Security Number (SSN) or your FCC Federal Registration Number (FRN) with your application. If you are upgrading, your FRN is on your current Amateur Radio license.
- A pen (black ink) and pencil (we can loan you either or both)
- **If you already have an Amateur Radio license: The original (*and one copy*) of any current (*unexpired*) amateur radio operator license issued to you.**
- If you've already passed a test: The original (**and one copy**) of any document that you will use to prove you've already passed a test element. These documents may include:
 - An unexpired Certificate of Successful Completion of Exam (CSCE) indicating the credit(s) earned indicating the credit(s) earned.
 - Original and copy of a pre-March 21, 1987 Technician license (this provides credit for the Element 3 [General] exam) - you must be currently licensed to get this credit.
- Expired License? Original and copy of your expired Amateur Radio License - you must take and pass element 2 to re-instate your license.



Robert, N8RLG
PCARS VE Team Liaison

PCARS

ARRL Volunteer Examiners:
serving the Amateur Radio community

First Saturdays 10:00 am
at the club site in Ravenna
February, April, June, August,
October, December

Updated General Test Starts June 30th

From the HamStudy.Org website, here's a comparison with the current and new General Class Ham Radio License Question Pools. It's recommended one take the exam before June 30, 2015.

39 questions that are in the old pool have been removed from the new one.

- The new pool has 44 new questions.
- The total number of questions in the new pool is thus increased to 462 over the old pool's 456.
- We always expect some tweaking in Subelement G1, Commission's Rules. In that section, 4 questions have been removed and there are 6 new questions as well as 6 updated ones. The total is 60, and this is one Subelement that you really need to pay attention to if you are studying for your General ticket.
- Subelement G2 covers Operating Procedures. Five questions have been removed, 11 added, and 7 updated for a total of 59 questions.
- Subelement G3 covers Radio Wave Propagation. There is less change in this section, with only 1 question removed, 1 new, and 8 updated, with a total of 41.
- Subelement G4 is a large section and covers Amateur Radio Practices. However, only 2 questions have been removed and two new added, with 9 updated for a total of 65.
- Subelement G5 is often the most challenging for our students. It covers Electrical Principles and has seen the removal of 3 old questions, the addition of 5 new ones, 5 question updates, and a total of 44 questions.
- Subelement G6 covers Circuit Components. 11 old questions have been taken out, 2 new added, and 3 updated for a total of 37.
- Subelement G7 is about Practical Circuits. This section has almost no changes, with only 2 updated questions, none eliminated and none added. There are 38 total.
- Subelement G8 is the section about Signals and Emissions. 4 questions are removed, 8 added, and 4 updated for a total of 33.
- Subelement G9 covers antennas and is also found to be a difficult one for some of our students. 7 questions have been cut, 8 new ones added, and 6 updated for a total of 58.
- Subelement G0 completes the pool with Electrical and RF Safety. It has few changes this time with only 2 questions removed, 1 new one added, and 3 updated for a total of 27.



Daryl, WX1DER

**Little Rock, AR
UALR Ham Radio Club VE Team Liason**

Cleveland Marathon - Volunteers Needed

The Cleveland Marathon will be here before you know it on Sunday, May 17th. That is less than a month away and we still need volunteers. The course will be very similar to last year with some changes on the west end due to road construction in Rocky River.

If you are able to assist this year, please send me a note as soon as possible so that we can begin making assignments. Please include your current cell phone number and tee-shirt size.

Let me know if you have any questions. Please pass this information along to other hams who might want volunteer.

73,

Jim, KC8PD

aylwardjim@aol.com

Contest Calendar

May 2015	
10-10 Int. Spring Contest, CW	0001Z, May 2 to 2359Z, May 3
7th Call Area QSO Party	1300Z, May 2 to 0700Z, May 3
Indiana QSO Party	1600Z, May 2 to 0400Z, May 3
Delaware QSO Party	1700Z, May 2 to 2359Z, May 3
New England QSO Party	2000Z, May 2 to 2400Z, May 3
EU PSK DX Contest	1200Z, May 23 to 1200Z, May 24
CQ WW WPX Contest, CW	0000Z, May 30 to 2400Z, May 31

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

DX / Contest Special Interest Group

This is just a brief report on what will be happening during our remaining meetings before our participation in the Non-contest Contest, otherwise known as FIELD DAY.

Since May 9th is the date for our Antenna Day dry run, we will be using the time to make sure we are ready for this 4 hour, Saturday event. I would like to see everyone who has responsibilities associated with Field Day to be at these meetings.

There is a more comprehensive item elsewhere in this newsletter regarding our Field Day operation.

But not to dismiss entirely other contest happenings prior to May 9th. See the chart above. Keep in mind that all of these will be taking place the weekend of May 2 to May 3.

All of these above events are fun to enter and even those with modest stations can play with the big guns. Pick one or even two and get your feet wet, if you haven't contested before, and find out how much fun contesting can be. You can go online and Google the contest name to get rules and regulations and all the documentation needed to enter. Let me know how you did.

Chuck, W8PT
DX/Contest SIG

EmComm

Some miscellaneous observations and reminders for this month:

Over the past couple weeks I have had some extra time on my hands and one of the long overdue projects around the house was cleaning out the basement and getting rid of a bunch of stuff that had accumulated over the years. Amazing how it piles up.

It made me think that we need to do the same thing on a more regular basis for those emergency supplies that we keep around or the go-kits that we have ready to grab and run with. Many of those goods have shelf or storage lives that may have been exhausted. Get rid of them. Re-evaluate what you need to keep and whether you will actually use it in the future. Just because it seemed like a good idea in the first place to include in your go-kit doesn't always mean that experience has shown it to be the case.

Don't be sentimental about those things. Keep what you know you will use and pitch the rest.

The local National Weather Service Skywarn training was held on April 1st, at Maplewood and it was well attended. This year's presentation was a webinar and my prediction is that the NWS will continue with this format in future years. If you attended and want to print out an ID card or training certificate from the NWS, go to http://www.weather.gov/cle/skywarn_card and use the password "CLEskywarn".

Recruitment is ongoing for communications volunteers to assist at the 2015 Rite Aid Cleveland Marathon on Sunday, May 17th. We need at least three dozen hams for this event so even if you have not participated before we need you and can put you to work. We will also need a half dozen volunteers for a 5k race on Saturday, May 16th. If you are interested, send me a note at kc8pd@portcars.org.

Matt, W8DEC, is recruiting for the 2015 Northeast Ohio Tour de Cure which benefits the American Diabetes Association. This a cycling event with four different courses ranging from 28 to 100 miles. This year the ride is beginning and ending in downtown Cleveland at the Gateway Plaza.

You can register to volunteer at <http://tinyurl.com/om8e4nf>. More information can be found at http://main.diabetes.org/site/TR/TourdeCure/TourAdmin?pg=entry&fr_id=10202.

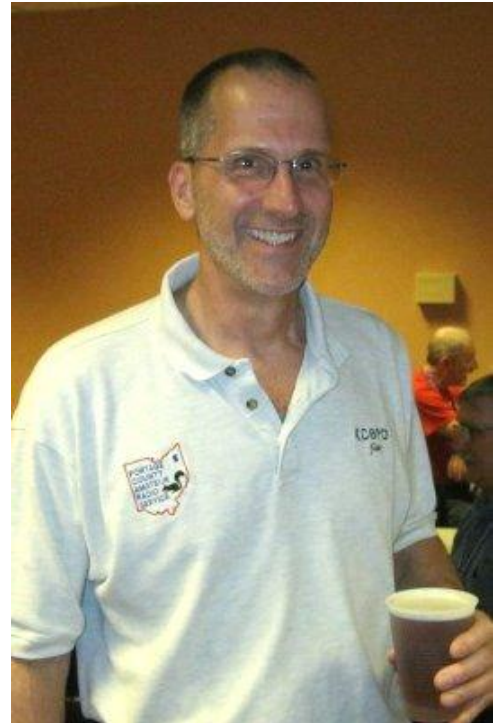
As this is written, two local events are off the calendar for 2015. They are the Headwaters Adventure Race which is usually held in July and the Mantua Potato Stomp, usually held on the Saturday after Labor Day. We hope that they will be returning next year.

Watch for emails and announcements about other upcoming public service events in our area including the cycling portion of the The Great Western Reserve Triathlon Half-Ironman event at West Branch State Park on June 7th and the Marlene Watt 5k race in Ravenna on Saturday, June 20th.

73,

Jim, KC8PD/AAR5AI

Radio Officer, Portage County OHS/EM Communications Unit/RACES



Hamfest Schedule

May 15-17th 2015 - Dayton Hamvention® 2015 - Location: Hara Arena - 1001 Shiloh Springs Road - Dayton, OH 45415 - Website: <http://www.hamvention.org> - Sponsor: Dayton ARA

06/07/2015 - Breeze Shooters Hamfest and Computer Show - Location: Butler Farm Showgrounds - 627 Evans City Road - Butler, PA 16001 - Website: <http://www.breezeshooters.net> - Talk-In: 147.300+ - Contact: Robert Benna, N3LWP - 1010 Willow Drive Pittsburgh, PA 15237 - Phone: 412-366-0488 - Email: N3LWP@verizon.net

07/11/2015 - 20/9 Hamfest and Tailgate 2015 - Location: Austintown Senior Center - 112 Westchester Drive - Austintown, OH - Website: <http://20over9.org> - Talk-In: 147.315 - Contact: Dorothy O'NeilMeleski, KC8SYF - 17520 Denver Drive Lake Milton, OH 44429 - Phone: 330-651-8420 - Email: kc8syf@gmail.com

07/18/2015 - 2015 NOARSfest - Hamfest and Computer Show - Northern Ohio Amateur Radio Society - Location: Spitzer Convention Center, Lorain County Community College - 1005 North Abbe Road - Elyria, OH 44035 - Website: <http://www.noars.net> - Talk-In: 146.700 (PL 110) - Contact: Darlene Ohman, KA8VTS - 161 Herrmann Drive - Avon Lake, OH 44012 - Phone: 216-398-8858 - Email: noarsfest@noars.net

08/01/2015 - Great Lakes Division Convention (Columbus Hamfest) - Voice of Aladdin ARC - Location: Aladdin Shrine Center - 3850 Stelzer Road - Columbus, OH 43085 - Talk-In: 146.760 (PL 123) - Contact: Jim Leonard, WD8MRT - 37 Noble Terrace, Apt. B - Springfield, OH 45504 - Phone: 614-264-8566 - Email: wd8mrt@arrl.net

08/30/2015 - Western Pennsylvania Section Convention - Skyview Radio Society - Location: Skyview Amateur Radio Campus - 2335 Turkey Ridge Road - New Kensington, PA 15068 - Website: <http://skyviewradio.net> - Talk-In: 146.64 - 600 offset (PL 131.8) - Contact: John Patrick Cancro, NK3P - c/o Skyview Amateur Radio Society - 2335 Turkey Ridge Road - New Kensington, PA 15068 - Phone: 724-309-6304 - Email: jpc2@psu.edu

09/13/2015 - Findlay Hamfest - Findlay Radio Club - Location: Hancock County Fairgrounds - 1017 East Sandusky Street - Findlay, OH 45839 - Website: <http://www.findlayradioclub.org> - Talk-In: 147.15+ - Contact: Bill Kelsey, N8ET - 3521 Spring Lake Drive - Findlay, OH 45840 - Phone: 419-423-3402 - Email: n8et@woh.rr.com

09/13/2015 - Butler SwapFest - Butler County Amateur Radio Association - Location: Unionville Volunteer Fire Company - 102 Mahood Road - Butler, PA 16001 - Website: <http://w3udx.org> - Talk-In: 147.36/96 (PL 131.8) - Contact: Rick Melton, N3VKM - 214 Criley Road - Cabot, PA 16023 - Phone: 724-287-8134 - Email: N3VKM@arrl.net

09/27/2015 - Cleveland Hamfest and Computer Show - Hamfest Association of Cleveland - Location: Cuyahoga County Fairgrounds - 164 Eastland Rd - Berea, OH 44017 - Website: <http://www.hac.org> - Talk-In: 146.73 (PL 110.9) - Contact: Glenn Williams AF8C - 513 Kenilworth Rd - Bay Village, OH 44140 - Ph: 440-835-4897 - Email: af8c@arrl.net

10/18/2015 - Conneaut ARC's Ham Fest - Conneaut Amateur Radio Club (W8BHZ) - Location: Conneaut American Legion - 272 Broad St - Conneaut, OH 44030 - Web: <http://www.facebook.com/W8BHZ> - Talk-In: 147.390 (PL 131.8) - Contact: Mike Pongrass, KD8OSJ - POB 693 - Conneaut, OH 44030 - Ph: 814-440-6679 - Email: KD8OSJ@yahoo.com

10/25/2015 - Massillon ARC Hamfest - Massillon Amateur Radio Club - Location: Massillon Boy's & Girls Club - 730 Duncan Street SW - Massillon, OH 44646 - Website: <http://www.w8np.org> - Talk-In: 147.18 (PL 110.9) - Contact: Terry Russ, N8ATZ - 3420 Briardale Drive NW - Massillon, OH 44646 - Phone: 330-837-3091 - Email: truss@sssnet.com

11/01/2015 - WACOM HAMFEST 2015 - Washington Amateur Communications, Inc. - Location: Washington County Fairgrounds - 2151 North Main Street - Washington, PA 15301 - Website: <http://www.wacomarc.org> - Talk-In: 146.790, 145.250, 147.285, 147.390 (all linked together) - Contact: Bud Plants, N3TIR - 236 Chambers Ridge Road - West Alexander, PA 15376 - Phone: 724-350-6745 - Email: bud@n3tir.com



Antenna Special Interest Group

The regular May meeting of the Antenna SIG will be held on May 19th; 7pm at the club site. All PCARS members are welcome. If you have any antenna problems or are planning an antenna construction project please feel free to stop out and discuss them with the group.

Special activities at the May meeting will include finalizing the Magnetic Loop Antenna club construction project and discussing when to attempt a high altitude balloon launch.

Special Antenna SIG Meeting

A special Antenna SIG meeting will be held on May 5th, 7pm at the club site. The purpose will be to construct one and possibly two final prototype Magnetic Loop Antennas. If all goes well we will have enough information to move the project ahead towards the planned group construction activity project.

Tony, WA8AR



Michigan QSO Party

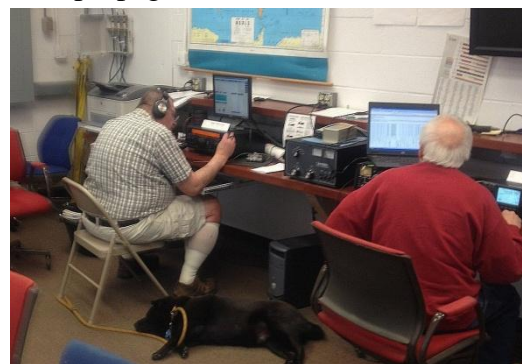
Saturday April 18th opened the day being warm and mostly sunny at the PCARS club site to kick off PCARS K8BF participation in the Michigan QSO party. Zeb KD8WZS showed up at 10:30 to upload a small update to the contesting software on the club's computers and before noon everything was ready to go. We had all three stations set up to operate with one being used for 20m, 15m and 10m, and the other two for 40m until sunset when one of them switched over to 80m.



as well. CW and phone both were used throughout the contest period and K8BF was on the air until the official end time of midnight.

I'd like to thank everyone who participated and helped get the stations ready including Zeb KD8WZS, Rich KD8FDK, Mike KB8TUY, Joe W8KNO, Bob N8QE and Terry KB8AMZ. It was a lot of fun watching operations unfold and sharing some great conversation with everyone when they weren't operating.

At the start of the contest at noon, it was apparent that most of the activity would be taking place on 40m as there were virtually no Michigan stations being heard on the upper three HF bands, not terribly surprising as Michigan is close enough so that NVIS is the predominant mode of propagation. Once sunset hit, 80m also started getting active



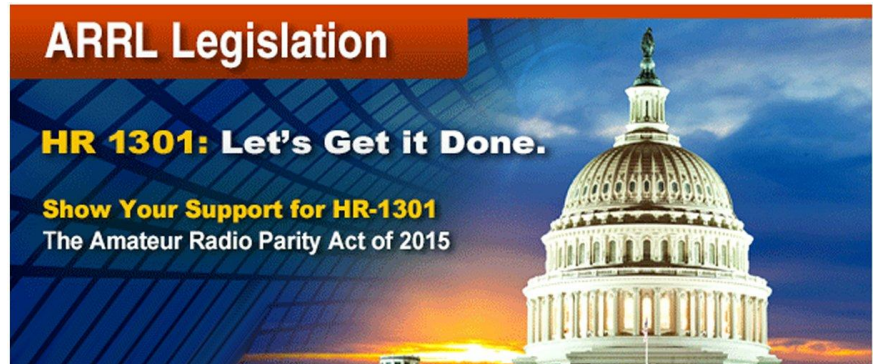
73,
Rick, K8CAV



H.R. 1301

The Amateur Radio Parity Act of 2015 - H.R.1301 - has been introduced in the US House of Representatives. The measure would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land use restrictions. US Rep Adam Kinzinger (R-IL) introduced the bill on March 4th with 12 original co-sponsors from both sides of the aisle - seven Republicans and five Democrats.

HR 1301 would require the FCC to amend its Part 97 Amateur Service rules to apply the three-part test of the PRB-1 federal pre-emption policy to include homeowners' association regulations and deed restrictions, often referred to as "covenants, conditions, and restrictions" (CC&Rs). At present, PRB-1 only applies to state and local zoning laws and ordinances. The FCC has been reluctant to extend the same legal protections to include such private land-use agreements without direction from Congress.



H.R. 1301 has been referred to the House Energy and Commerce Committee. Rep Greg Walden, W7EQI (R-OR), chairs that panel's Communications and Technology Subcommittee, which will consider the measure.

What will HR 1301 do?

Most importantly, it will ensure that every ham in the US, regardless of the community they live in, will have the opportunity to practice their avocation from their own homes without breaking any rules or fear of reprisal.

If enacted, it would direct the FCC to extend the the reasonable accomodation protections to those amateurs who are living in deed-restricted communities. Known as "CC&Rs" (covenants, conditions and restrictions) these are the prohibitions and limitations placed on properties by builders or home-owner associations (HOAs) which prevent licensed Amateurs from erecting even modest antennas.

The Amateur Radio Parity Act would not give Amateurs "carte blanche" to do whatever they wished. It would require HOAs and other private land use regulations to extend reasonable accommodation to Amateurs wishing to erect antennas.

ARRL members are urged to contact their US House members and ask them to sign on to the bill as a co-sponsor. We recommend sending the letter to your member of Congress to:

ARRL - Attn HR 1301 grassroots campaign - 225 Main St. - Newington CT 06111

From the ARRL

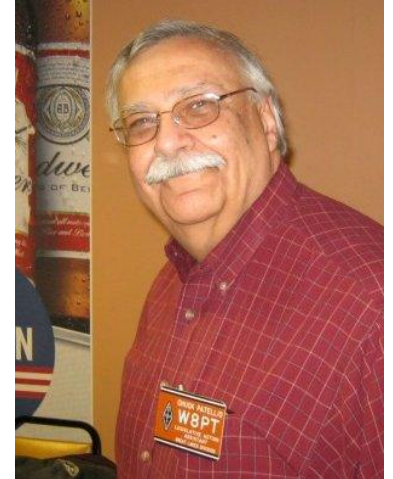
See <http://www.arrl.org/hr-1301> for more information



Charlie the Tuner's HF High-Lites

Spring has sprung here in Parkman and the flowers are starting to show, the tree buds are swelling and leaves are starting to pop out and the 4 element SteppIR is now down to be worked on. Yup...it's a normal Spring.

There is a lot happening on the bands so let's get to it. First and always foremost, 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 thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, AB5K & the AR TelNet Clusters Network, K1XN & GoList, NJ1Q & W1AW, W2VU, K3LR, NG3K & ADXO, W3UR & The Daily DX, AA4VK, K4RUN, N4AA & QRZ DX, WW4LL, W6SZN, K8GI, K8YSE, W8GEX & 60m News, KX9X, W9ILY, DL7UXG & The DX News Letter, DL1SBF, DL2SBY, DxCoffee.com, DXNews.com, DX-World.Net, ES1CW, F1ULQ, F5NQL, F6AJA & Les Nouvelles DX, G3VMW, HP1AC, I1HYW, I1JQJ/IK1ADH & 425 DX News, I2MQP & DX Italia News, IZ8IYX, JA1TRC, OG2K, OZ6OM & 50 MHz DX News, PS7DX, PY2SP, RSGB IOTA Web Site, Sixitalia Weekly, TA2RX, VA3RJ & ICPO, VA3QSL and the VHF-DX-Portal (MMMonVHF) for the following DX information.



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).

DXCC NEWS. Staff Liaison, Dave Patton, NN1N, reports that the following operations are approved for:
DXCC credit: 3XY5M - Guinea; 2015 Op ** - E30FB - Eritrea; 2015 Op - C21EU - Nauru; 2015 Op

*** PLEASE NOTE (Reminder): Michael, PA5M (3XY5M), was out of Guinea for a short break in PA-land between April 8-15th. So, if you worked 3XY5M in that period, it was a PIRATE. Michael suggests, "Always check ClubLog in case you have doubts." QSL cards will only be handled by Dennis, PA7FM. Read details on QRZ.com.*

3B8 & 3B9, MAURITIUS AND RODRIGUEZ ISLANDS. José, EA5IDQ, will be active as 3B8/EA5IDQ from Mauritius (AF-049) between May 10-18th, and 3B9/EA5IDQ from Rodriguez Island (AF-017) between May 19-23rd. Activity from both Islands will be on 40-10 meters using SSB and RTTY. QSLs via EA5IDQ, direct or by the Bureau. Also, QSL via ClubLog's OQRS. For more details and updates, see: <http://www.dxpedition.eu>

5U, NIGER. Chris, F4WBN/TL0A, will once again be active as 5U5U from Niger between May 30th and June 16th. Activity will be holiday style on 40-6 meters using SSB and some RTTY. QSL via his home call sign direct.

5V, TOGO. Marc, F5IVC, is now active as 5V7SM from Lomé. He said that he is there "for professional reasons for 2 years or more". He states that his activity currently is only on 10 meters SSB, but is waiting for a multi-band antenna for the other bands. QSL info for now is via his French address (see details on QRZ.com).

FR/J, JUAN DE NOVA (Press Release - 7th Most Wanted DXCC Entity). [Edited] Juan de Nova in 2016! -- Building on the positive results that our DXpedition produced while on Tromelin, we initiated a new project that has received the approval of the TAAF. We appreciate all the more the new token of confidence that 2015 is a very important year for all their services because of the celebrations for their 60th anniversary. We are proud and happy to announce that our team has received permission to go on the island of Juan de Nova in March 2016. The islands of Juan de Nova and Europa are one DXCC entity. Like other Scattered Islands, they have been on the air in the past mainly by the weather forecast staff as part of their professional duties. Since the automation of weather stations and the gradual disappearance of amateur radio in the military stationed on the Scattered Islands, no activity was carried out. The last DXpedition from this DXCC

entity goes back to 2003, the year a military team made 34,000 contacts using the call signs TO4E / TO4WW from Europa. As for Juan de Nova, one must go back to the 80s for the last true DXpedition. Demand is very important, regardless of the band or mode. Access to these islands is extremely limited and subject to prior approval of the TAAF. These territories are sensitive and protected areas. After a positive experience on Tromelin, the administration has renewed their confidence for us to lead this project. Protective measures of the fauna and flora introduced on Tromelin will be continued so that our radio activity and protected animal species can live together harmoniously. How to Help? -- Our website <http://www.juandenovadx.com> was just launched. Over the next 12 months, you will discover more about the ops, the preparation & our destination. You can also follow us on various social networks such as Twitter and Facebook. A page dedicated to Foundations / Clubs / Associations will be available. We will post the logos of our sponsors with links to their websites. To allow all DXers ??and supporters to join the project, we also implemented a "Donation" button on our website. Donations of at least €25 will automatically get your QSL card direct. We are at your disposal for further information. 73, Seb, F5UFX, Team Leader for Juan de Nova 2016

JD1, MINAMI TORISHIMA. Take, JG8NQJ, will once again be active as JG8NQJ/JD1 from Marcus Island in the Minami Torishima (OC-073, JCG 10007) group between mid-March until mid-June. He is usually there to work on the island's weather station. Activity will be limited to his spare time. He will be mainly on 17 meters but also on 15/12/10 meters CW. QSL via JA8CJY, by the Bureau or direct to: Susumu 'Sin' Sanada, 5-17, 5-4, Shin-Ei, Toyohira, Sapporo 004, Japan. Online log is available at: <http://dx.qsl.net/cgi-bin/logform.cgi?jd1-jg8nqj>

JD1, OGASAWARA. Makoto, JI5RPT, will once again be active as JD1BLY from Chichijima Island (AS-031) between April 29th and May 5th. Activity will be on 40-6 meters using CW, SSB and the Digital modes (NO 6m EME). QSL via his home call sign JI5RPT. His log search will be available on his Web site at: <http://www.ji5rpt.com/jd1> He will also use Twitter to inform his real-time activities at: <http://twitter.com/jd1bly>

KH5, PALMYRA ATOLL (Press Release #1, April 18th) [edited]. Craig/K9CT) and Lou/N2TU are proud to announce a DXpedition to Palmyra Atoll. Palmyra (KH5) ranks in the top ten on the Most Wanted List and #2 in Europe. After many months of negotiations with US Fish and Wildlife and The Nature Conservancy, the Palmyra Island DXpedition Group has been awarded permission to activate Cooper Island in the Palmyra Atoll during January 2016. Craig is a veteran of many of the "Most Wanted" DXpeditions. He co-led Sint Maarten and Swains, and operated from Conway Reef, Midway, Cocos Island, Wake Atoll and Amsterdam Island. Lou was a member of the Swains Team and led the Wake Atoll Commemoration. Craig and Lou have just returned from the Navassa Island K1N. A team of 12 highly experienced operators and veterans of many DXpeditions has been formed. Team members include Craig/K9CT, Lou/N2TU, Jerry/WB9Z, Tom/ND2T, Mike/K9NW, Ralph/K0IR, John/K6MM, Bob/K4UEE, Hal/W8HC, Dick/W3OA, Jim/N9TK, and Glenn/W0GJ. They plan to operate five stations over a 14 day period, 160 to 6 meters on all modes, using a call sign to be announced at a later date. Critical to major DXpeditions are the immediate, up-front commitment costs. INDEXA and NCDXF have been most generous in their support of Palmyra 2016 and this support is sincerely appreciated. Logistical support for this operation is being provided by Kimo/KH7U and Don/N1DG. Joe/W8GEX and Janet/W8CAA have volunteered to assist the team in fund raising. Their experience in this area is highly valued. Our website, www.Palmyra2016.org developed by team member John, K6MM, will provide updates as they become available. The Donation page of the website is currently active. The group will also have an OQRS link on the website for easy QSLing.

MJ, JERSEY. Kazunori, M0CFW/JK3GAD, will be active as MJ5Z during the CQ WPX CW Contest (May 30-31st) as a Single-Op/All-Band/Low-Power entry. QSL via LoTW or via M0CFW. Look for activity before and after the contest using the call sign MJ0CFW. QSL also "ok" via OQRS.

MJ, JERSEY (Also GU). Operators Eddy/ON6EF, Jan/ON6VJ and Bruno/ON1CH, members of the OSA, be active as MJ/home call from Jersey Island (EU-013) between May 14-18. Activity on 160-6 meters using SSB with a TS-2000 into FD-4 and dipole antennas. QSL via their home call signs. Eddy, ON6EF, will also activate Sark Island (EU-114), in the Guernsey Island group for 1 day signing MU/ON6EF with a TS-50S and FD3 dipole, external car battery and 100w.

P2, PAPUA NEW GUINEA. Norbert, DH1NK, will once again be active as P29NK from Papua New Guinea between January 15th and June 15th (2015). Activity will be limited (due to work at the hospital) on 80-10 meters using SSB and the Digital modes. QSL via DH1NK by the Bureau.

PA05/PA125, THE NETHERLANDS (Special Event). Members of VERON section 54 will activate two the special event callsigns during the month of May. Look for the following:

PA05MILL - Activity during Windmill on the Air weekend (May 8-10th). This is the 5th activation of Windmill "The Old Mill" from Oudemolen. A special QSL and award will be issued.

PA125VVG - Activity is to celebrate the Vincent van Gogh Year 2015 - 125 years Vincent van Gogh. Activation will be from Monday, May 11th, until Sunday, June 7th. A special QSL and award will be issued. For more information and award rules, see QRZ.com.

S7, SEYCHELLES. Peter, DL2RPS, will be active as S79RPS from the Anse National Park (WFF S7FF-04) on Praslin Island (AF-024) between May 2-8th. Activity will be on 80-10 meters using CW and SSB, depending on conditions. His equipment is a IC-7000, w/100 watts into horizontal and vertical antennas. Log will be uploaded to ClubLog nightly. A photo QSL is planned. QSL via his home call sign, direct (see QRZ.com), by the Bureau, eQSL or the OQRS on ClubLog.

VK9N, NORFOLK ISLAND. Four Australian operators will be active as VK9NT from Norfolk Island (OC-005, WLOTA 1469, WWFF VKFF-392) between April 24th and May 4. Operators mentioned are Chris/VK3QB (Team Leader), Luke/VK3HJ, Roy/VK3GB and Oly/VK3XDX/5. Activity will be on 160-10 meters using CW only. No Digital or 6m activity is planned. Equipment will be 2x TS-480HX, KX-3/KXPA-100, verticals and dipoles. Another KX-3 will be used portable and for some SOTA activity. Logs will be uploaded daily to ClubLog, and soon after the end of the activity to LoTW. An OQRS via ClubLog will also be active. QSL via VK2CA, direct or by the Bureau. An OQRS (Online QSL Request) [For Bureau and direct QSLs] will be available via ClubLog and is the "PREFERRED" method. IMPORTANT: If using OQRS for direct requests (preferred), please ensure that your address details are correct on QRZ.com. For more information and updates, visit: <http://vk9nt.odxg.org/vk9nt2015>

V6, MICRONESIA. Lance, W7GJ, active as V6M from Falalop Island, Ulithi Atoll (OC-078), Aug 26th - Sept 3rd. Activity is to celebrate his 50th anniv of VHF DXing and will be on 6 meters EME. QSL DIRECT ONLY to W7GJ. Complete details about his operation, can be found on: <http://www.bigskyspaces.com/w7gj/Micronesia2015.htm>

IOTA NEWS.....

EU-051. Opertaors Giovanni/IK5BCM and Andrea/IU5BLZ will be active from **Ustica Island** - May 9-16th. Call sign(s) were not provided. Activity will be on 80-10 meters using CW, SSB and the Digital modes.

EU-160/ EU-188. In an eight day journey (about 1700m) throughout the Barents Sea, members of Russian Robinson Club (RRC) plan to activate some very remote and hard to access IOTA during the second half of July (approx. dates July 18th and August 6th). Islands mentioned are **Korga Island** (callsign RI1PK) [EU-160, RR-03-04] or possibly **Chaichij Island** (callsign RI1PC) [EU-160, RR-03-24] and **Timanet Island** (callsign RI1PT) [EU-188 , RR-03-27(new one), RLHA: RLE-133 (new one), WLOTA: LH-0191 (new one)]. Operators mentioned are Vasily/R7AA (Team Leader), Vasily/RA1ZZ, Alexander/RA3AV, Aleksej/RA1QY and Sergey/R1OO. QSL via R7AA direct (SASE). Also, QSL via ClubLog's OQRS (DIRECT or Bureau). For more details and updates, see: <http://www.ri1pc.org>

NA-248. (New IOTA) Cezar, VE3LYC, is planning to activate **Melville Island** sometime between August 3-10th (Exact dates TBA). Landing permission and logistics have been granted. Full details will be announced soon on a Web page.

OC-241. Ferdy, YC9MKF, will lead a group of YB9 and YC9 operators to activate several islands in the OC-241 group between April 21st and May 20th. Some islands were mentioned - **Rote, Semau, Kera, Ndana and Ndaho**. Operators will be signing homecall/9 or homecall/p. QSL via operator's instructions.

OC-262. Operators Hafni/YB5FN, Vector/YB5BOY (Team Leader), Surya/YB5EHQ (Co-Leader), Denny/YC5KIK (QSL Manager), Yhonny/YB5LX, Mardiyan/ YC5MB, Syahril/YC5DSM, YL Dahnial/YC5KJY, Nana/YC5EGN, Zulherman/ YC5JYY, Uncu/YD5DFR, Zainal/YD5KCI and Robby/YD4IRS will be active as YB5M from **Pasumpahan Island** between May 14-17th. Activity will be on 40/20/17/15/10 - CW, SSB and RTTY. - Web site at: <http://yb5m.com>

SA-024. Operators Marcelo Pera/PY2AE, Murilo/PY2DS, João Carlos/PU2KKE, Willian/PU2XIZ and Flávio/PU2KFL will be active as PW2C from **Cambriú Island** (DIB SP-15) between May 1-3rd. The island of Cambriú will be activated for the first time; it belongs to São Paulo State West Group and will be a new DIB to Brazil, SP-15. Cambriú is a tiny

island in south of São Paulo state without any kind of infrastructure, and there is no energy power or portable water. The landing is done on the rocks and the weather and sea conditions usually are not good. Activity will be on 80/40/20/15/10/2 meters using CW and SSB. QSL via PY2DS, direct or by the Bureau.

U.S. POSTAL RATE INCREASE (Postponed!). Many of you may have heard that the US Postal Service planned to increase stamp rates April 26. Here's the latest news. Thanks to John, K9MM, who reported that "On March 27th, the USPS announced they will delay the implementation of the 2015 rate increase and classification changes scheduled to start on Sunday, April 26th, 2015. USPS rates WILL NOT be changing on April 26, 2015." Here is a quick "corrected" summary of the *proposed* changes:

Forever Stamps -- Will remain the same at 49 cents

Global Forever Stamps -- Going Up! \$1.15 to \$1.20

Postcards -- Going Up! 34 cents to 35 cents

Additional Ounces -- Going Up! 21 cents to 22 cents

The complete breakdown of the new rates can be seen at: <http://blog.stamps.com/2015/03/04/usps-announces-postage-rate-increase-starts-april-26-2015/>

OK! That's it for this month. There are a number of very interesting DX events happening including the announcements of a number of DXpeditions going to some very rare, and desirable places. And a group working Windmills on the air... now that's a hoot! As I have mentioned in the past, it's up to you to make Amateur Radio as interesting as possible for yourselves. It's a buffet so just pick and choose and HAVE FUN!!

Until next month.... 73,

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



Linux for Ham Special Interest Group

June 30, 2015 at 1900 EDT will be the next meeting. Nick Wagner - AC8QG will give a presentation discussion on using EasyPal (an application for amateur radio digital slow scan TV) with WINE (Wine Is Not an Emulator) regarding what works or doesn't work. EasyPal is a proprietary MS Windows application.

73,

Terry, KB8AMZ



Digital Special Interest Group

The Digital Special Interest Group will meet on Tuesday May 6th at 7:00 PM at the PCARS club site in Ravenna. With Field Day coming up soon we'll be talking about using fldigi in the RTTY and PSK-31 modes at the Flex station. Digital contacts are worth two points each so we can earn some serious point totals in the digital modes. We'll also be making time to help with any issues or problems you may be having with your digital setup.

73,

Rick, K8CAV

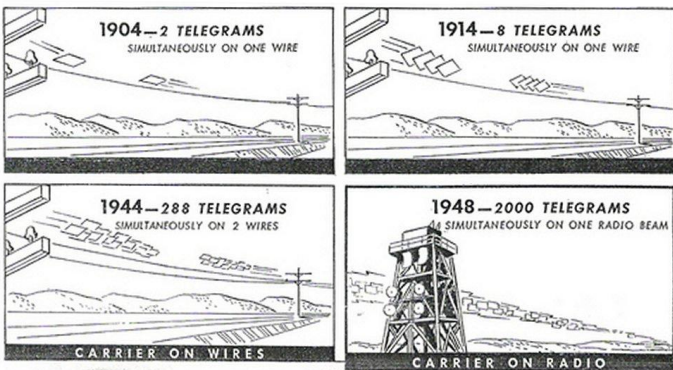
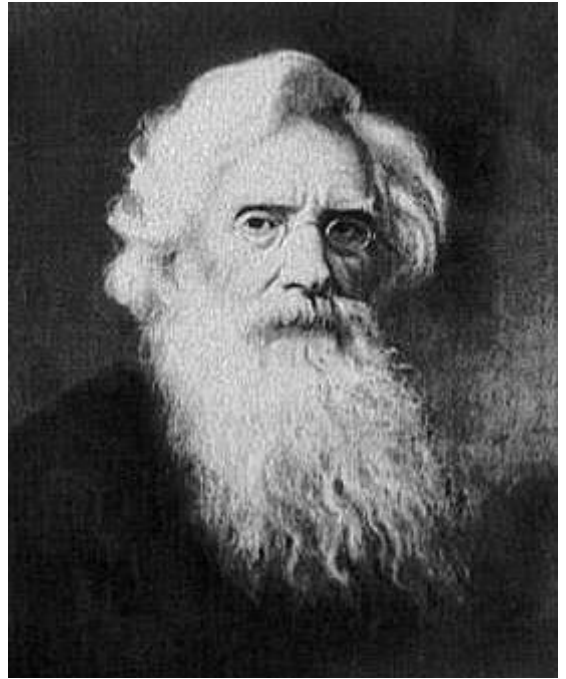


What Hath God Wrought?

May 24, 1844 - In a demonstration witnessed by members of Congress, American inventor Samuel F.B. Morse dispatches a telegraph message from the U.S. Capitol to Alfred Vail at a railroad station in Baltimore, Maryland. The message—"What Hath God Wrought?"—was telegraphed back to the Capitol a moment later by Vail. The question, taken from the Bible (Numbers 23:23), had been suggested to Morse by Annie Ellworth, the daughter of the commissioner of patents.

The Baltimore-Washington Telegraph Line was the first long-distance telegraph system set up to run overland in the United States, the intention being to utilize the telegraph code system - **Morse Code** - invented by Samuel Morse. Along with similar transmission networks in Europe, it was a precursor to transatlantic telegraphic communications and later technologies such as telephone, fax and email.

Morse, an accomplished painter, learned of a French inventor's idea of an electric telegraph in 1832 and then spent the next 12 years attempting to perfect a working telegraph instrument. During this period, he composed the Morse code, a set of signals that could represent language in telegraph messages, and convinced Congress to finance a Washington-to-Baltimore telegraph line. On May 24, 1844, he inaugurated the world's first commercial telegraph line with a message that was fitting given the invention's future effects on American life.



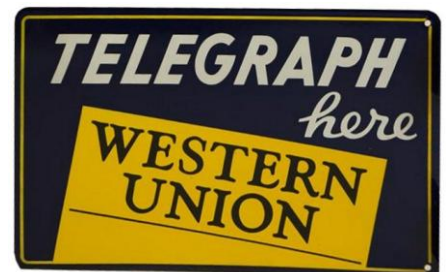
Western Union's Progress in Improving Facilities for Transmitting Telegrams.

Just a decade after the first line opened, more than 20,000 miles of telegraph cable crisscrossed the country. The rapid communication it enabled greatly aided American expansion, making railroad travel safer as it provided a boost to business conducted across the great distances of a growing United States.

Western Union completed the first transcontinental telegraph line in 1861, dooming the Pony Express, but aiding forces in the Civil War. Mobile telegraph stations, like this one with hastily strung wires,

connected scattered military units. President Lincoln kept up with events of the war through frequent dispatches from General George McClellan. One Confederate attack failed when soldiers became tangled up in Union telegraph wires strung from tree stump to tree stump. Morse probably never expected telegraph wires to be a booby-trap!

A generation or two ago, people would send telegrams to announce important news such as a new birth in the family.



Shack Shot - KD8FDK

Having an empty nest certainly has some perks. I inherited my youngest daughter's bedroom which is the north bedroom on the second floor and gives me a nice view of my back yard. I painted the walls and woodwork to my liking and also installed a bamboo floor. The floor, although it looks real nice, is not my best work but good enough for my purpose.

I purchased three desks from IKEA. They are matching. Two desks have a 25 inch depth which is better than any inexpensive computer desk. I set up two stations and left one desk clear for general use. One of the desks had a pull out section that I use separately to accommodate the amplifier.



The main station consists of an ICOM IC-746 PRO, Heil GM-5 microphone on a Heil boom. To my left is the amplifier which is an old Yaesu FL-2100B and a MFJ-962D manual tuner. My maximum output is 500 watts peak and serves me well enough to keep me from desiring a new one. A computer monitor sits center of the desk for easier logging purposes. This is the most used station for HF fun. I also have 2 meters on the IC-746 and I use it for the PCARS net.

The second station consists of the Drake "A" line. The R4-A receiver which I acquired just before I became a ham and the T4-X transmitter which I purchased just prior to when I became a General class operator. They are coupled together giving me the use of both VFOs. I use tuner is a MFJ-948 and the MFJ-891 watt meter. The larger meter helps in monitoring the SWR which is important to me since the boat anchor has no power fold back on high SWR. I try not to abuse the finals. This radio performs very well and is a pleasure to operate. Its sensitivity is very comparable to the IC-746 and the selectivity (filtering) is about the same but is fixed rather than variable like that of the IC-746.



I use a MFJ window feed through to bring the coax outside. RG-58 size coax is used to interconnect the radio and equipment at 100 watts or less. RG-8 size coax is used from the amplifier output and tuner. The only HF antenna I have right now is a G5RV in an inverted V configuration with the apex at about 30 feet. Three 10 foot TV antenna masts support the antenna and one 10 foot mast is used to support each end. The antenna mast is guyed and is independent of any trees and so it is not so much affected by the wind. Because of the location on the second floor the stations run ungrounded which so far has not been a problem and probably won't be as long as I use horizontal dipole configurations.



The Kenwood TS-140S and the Elecraft K2 are stored in the closet which is fitted with shelves. The rest of my toys are also stored there too. This set-up is so much better than I had before and is most likely the best it's ever going to get.

73,
Rich, KD8FDK

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!

Don't forget - 4th Thursday is NET NIGHT at the club site !!



May	
7	WB8LCD
14	N8WLE
21	KD8FDK
28	KC8PD

June	
4	KB8UUZ
11	N8QE
18	WB2DFC
25	WB8LCD



The PCARS net is **BIG Fun** - tell your friends to check in via RF or EchoLink! If you have not been a Net Control Operator for PCARS and would like to give it a try, please contact me at: WB8LCD@portcars.org Everyone who is a club member is welcome to have a turn!

Tom, WB8LCD

Dayton Hamvention® 2015

Yes, I know I talk this up a lot, but it's worth making the trip! Only a few weeks from now Amateur Operators from all over the world will converge in the small town of Trotwood, Ohio for the annual Dayton Hamvention®. The largest single gathering of hams and it takes place practically in our back yard.

To Hamvention... And Beyond.

Experience The World's Largest Gathering of Amateur Radio Enthusiasts
May 15-17, 2015

the new equipment. The flea market will be jammed with bargains in used equipment. There is something for everyone.

So, put May 15-17, 2015 on your calendar of events and **plan to attend**. Even if you only go for one day just to look around, it's worth the drive. I hope to see you there!

Tom, KB8UUZ

Swap-N-Shop

FOR SALE: Siemens SpreadStream 4100 DSL modem - Great for Echolink - have 2 - \$10.00 each
Linksys Wireless-G 2.4Ghz router - Great for Echolink - 54Mbps - Model WRT54G - \$14.00

Contact Bucky, N8OQQ by e-mail at N8OQQ@portcars.org [08/02/15]

FOR SALE: Heathkit SA-2040 Antenna Tuner 2KW PEP SSB/1 kW CW, 3.5-30 MHz. Also has a built-in 4:1 Balun. \$100.00.

Contact Bill, KW8KW by e-mail at KW8KW@sbcglobal.net [06/02/15]

FOR SALE: Heath Kit SB-1000. In great shape. Meter sticks sometimes. The tube is in great shape. Included are the original build manual and prints! \$600.00

Kenwood TS 450S. (No tuner) Some scratches on top cover. Radio works perfectly. 2 additional filters have been installed! SS Filter **YK-88SN-1** & CW Filter **YK-88C-1**. Hand mic and amp keying cable. \$550.00

SignalLink USB with cables for the 450S. \$70.00

Kenwood PS-50 Power Supply. \$120.00

Kenwood SP-940 Speaker \$100.00

MicroHam Micro Keyer II with Icom cables **DB37-IC-8.** \$275.00

Contact Russ, K8QF at: Russ32458@aol.com or call 330-906-2880 [06/02/15]

FOR SALE: MFJ-269B Antenna Analyzer Covers HF/VHF/UHF. Cost new \$369 - Will sell for \$225
Comes with manual and \$16 MFJ plug-in wall wart.

FOR SALE: Astron SS-30M Power Supply Has Amp & Volt meters. 30 Amps at 13.8 Vdc Peak. Cost new \$149 - Will sell for \$99.

Contact Parky, KB8UUZ by e-mail at: KB8UUZ@portcars.org [08/02/15]



QRP / CW Special Interest Group

The May CW / QRP SIG will be on Tuesday May 12th, the day immediately following the May PCARS club meeting. If you've been working on a CUB, bring it along, if you have any other projects going, bring it along, and, bring along a working QRP rig so we can put it on the air from the club site.

Nice weather is here (finally) so for the June SIG, we will be meeting on a SATURDAY (*exact day and place to be determined*) at a local park for some QRP from the field – without freezing your acorns off! This will be a short 3-4 hour event designed to get you home in time to spend Saturday afternoon and evening with the family unit.

Terry, KB8AMZ promises a new edition of the CW course if there is enough interest to warrant it. Send your desire to participate to kb8amz@portcars.org . When we have enough interested hams, we'll get the class scheduled.

72/73,
Tom, WB8LCD



Let's Talk

Hi Gang,

I think Spring has Sprung. I finally got the motorcycle out and have even taken a few rides already, although I haven't been as wanting to get the mower out yet. That will come, but not just yet. Now that spring is here we all can take stock of how bad we had it over the winter. My yard is a mess. I've had deer pawing around as well as some other woodland creatures that their pictures just might end up on a milk carton sometime soon! Ok, enough of the weather stuff. Let's get to the meat of this article.

I've really been active in getting around the state to do presentations and handing out a number of Affiliated Club Charters, both new and renewed, as well as several Special Services Club certificates this past month. I'm really tickled to see that many of the clubs around the state are starting to get the idea that they need to get their club records updated, and a few of them have even been challenged by me to go after the Special Services Club charter as well.

This past month I've given talks to folks as young as 5 & 6 years old when I did a presentation for 6 Cub Scout Packs just recently. They had fun with a code oscillator learning Morse Code. I had also setup an experiment for them to play with and learn by demonstrating "induction". That one was a real hit with them. You should have seen how their eyes lit up when they discovered that they could produce a voltage just simply by passing a magnet through the center of a coil of wire. You would have thought that I had pulled a rabbit out of hat with that one. Even the adults were amazed and I found several of them playing with the experiment after the kids were finished.

I also did a lecture with some older folks in a retirement village down in Milford this month. Now that presentation was a real hoot for sure. I came across several folks there that remembered when radio was just being invented!! I learned a lot from them for sure.

The Ohio Section Website. You can find the Ohio Section Website 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 stagnating, and I would highly recommend that you check into the website at least 3 times per week or more if you can. Yes, it does change that much!

Have you noticed?? YES. There's another NEW – one question – questionnaire on the Ohio Section Website once again. I've been changing it about once every couple of weeks or so. It only asks one question and it will take all of about 5 seconds for you to answer it, and you can see how your answer stacks up with others instantly. Oh, by the way, there's also a one question questionnaire on the Great Lakes Division website as well. Why? Because Dale (you know him don't you?? He just happens to be our Great Lakes Director) would like to know how you feel about the question posted there.



As a few of you just recently found out, severe weather can hit anywhere at any time. We've been extremely lucky here in Ohio as that we haven't had any real severe weather hit yet this spring. Not so with the folks out in the western states. A couple of you wrote to me about how Skywarn, and Amateur Radio is getting a lot of good publicity because of these storms. Let's keep this good PR going. When you are on the air remember this, there's a lot of non-hams listening to you speak. Let this be your conscience and do the right things when you are on the air. Again, remember that there are a lot of folks listening to you. Operate your station respectfully.

Ok - I know that I push the website and website edition of the Ohio Section Journal a lot. I'm even sure some of you think it's way *tooooo* much. But, the main reason for pushing this so hard is that it's where all the news is. Yes, I know that there are some who don't even own a computer and won't own one either, and that makes me very sad. Not that they won't own a computer, but they are missing out on so much that's going on because of it. There is a lot of very good and exciting news and happenings on the Ohio Section website. If it isn't your home page on your browser, it should be!!

Last item

This one comes from our OHDEN Net Manager, Gary Hollenbaugh. Emergency communications vehicle display. Organizations with Emergency Communication Vehicles or trailers are invited to display them for all to see at the Dayton Hamvention May 15 -17. Please contact Gary Hollenbaugh, NJ8BB at 937-580-5064, nj8bb@arrl.net to reserve a spot.



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.

73,

Scott, N8SY

ARRL Ohio Section Manager

Editor's Note: Scott, N8SY presented to Tom, WB8LCD one of the special Ohio Section Mugs loaded with goodies at the last PCARS meeting. Scott recognized and thanked Tom for his volunteer work at the ARRL Centennial. Scot said that Tom not only represented PCARS, but also represented the Ohio Section, and for that, Scott presented Tom with the mug.

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/>



Maker Faire 2015 - at Kent State University

On Friday April 10th PCARS was invited to be a part of the Kent State Maker Faire held at the University's library. Maker Faire is an event created by Make magazine to "celebrate arts, crafts, engineering, science projects and the Do-It-Yourself (DIY) mindset". These events are held in many different places and have become very popular and Amateur Radio is a perfect fit with the goals of Maker Faire.

This was the second year we were invited to attend and we decided during our planning to emphasize as much as possible, how modern, high-tech devices and methods are a big part of Amateur Radio today. With that in mind, we established the following as part of the PCARS presentation.

- An operational High Frequency (HF) station for voice and CW
- An operational Winlink 2000 station with links to both a local VHF RMS node and an RMS node on 40 meters
- Two operational sound card based digital radio stations on VHF FM, with one using the Raspberry PI computer
- Two, SDR "dongle" receivers, one set up with a Raspberry PI and one set up with a Windows laptop demonstrating different aspects of the SDR receiver to include commercial aircraft tracking and mapping using transponder data sent by the aircraft
- A foxhunt demonstration for hidden transmitter tracking and locating



In addition to all of the displays we had some great volunteers there to explain all we had laid out. It was great to have some of our younger (hey I'm 62 so anyone under 50 is young, hi) members of the club there to speak with the mostly college age crowd, as well as older and experienced members to share their lifetime experiences with Amateur Radio.



We generated a lot of interest with the Maker Faire attendees and the day was a complete success as well as a lot of fun. I want to thank the following PCARS members for giving their time and talents to provide a very positive image of Amateur Radio and of the PCARS organization.

PCARS presenters included Mike KB8TUY, Tom WB8LCD, Nick AC8QG, Nick KD8WHL, Steve K8SRR, Jim AC8NT, Ruben K5RDL and Zeb KD8WZS.

73,
Rick, K8CAV

Maker Faire - KSU - 2015



Antenna Day & Field Day 2015

Field Day 2015 - PCARS Antenna Day is May 9th, and furthermore, it is less than 60 days left to PCARS Field Day! I hope your calendars are marked and that you're planning on attending! Antenna Day is the dress rehearsal for Field Day where we set up all of our equipment and antennas as closely as possible to how it will be for Field Day and test everything out. Station captains and support team leaders will need some help so come on out to help! Activities kick off at 10:00 AM and should be wrapped up by 2:00 PM, or sooner if all goes well.

Now to the main event, **Field Day!** With the Field Day team in place it's now up to YOU to volunteer to help out. Station Captains need operators and loggers! Their schedules are starting to fill so you need to contact them now to lock in your time to operate or log! They will do their best to accommodate walk-ons during Field Day but if you don't want to be disappointed contact them now to get on the schedule.

Support Team Leaders need your help as well! The food team, power team, and IT team would be glad to have you! A list of all the Station Captains and Support Team Leaders is shown below. So don't be late, contact them now with how and when you can volunteer!



PCARS will also be serving its traditional Saturday evening dinner during Field Day along with a huge helping of camaraderie will be there for all to enjoy so make plans to be there, even if you can't participate in other Field Day activities. You will need a ticket for dinner. Tickets for PCARS members are free, and for guests are \$5 each. Breakfast for the late shift folks at the site will also be served and tickets are \$1 each for members and guests alike. Mark, K8MSH will be selling tickets at the club meetings. If you can't attend the meeting, contact K8MSH@portcars.org to make arrangements to get your tickets. We also need club

members to bring coolers with ice to help keep the food and drinks cool. Please contact Jim, KC8PD at KC8PD@portcars.org if you can help out.

And as always, donations of snacks will be very much appreciated. So if you would, please bring cookies, chips, soda and other snacks that can be shared with the group. Also, monetary donations will also be welcome. If you would like to support the PCARS Field Day effort with a check or cash, please contact Bob N8QE, our intrepid Treasurer at N8QE@portcars.org and he will take your donation.



PCARS Field Day 2015 Team:

GENERAL		
Chairman - Chuck W8PT	Vice-Chairman - Tom WB8LCD	PIO Publicity - Tony WA8AR
PIO Agency Invitees - Jim KC8PD	PIO Media Table - Parky KB8UUZ	Safety - Mike KD8FLZ
LOGISTICS		
Food Service Mgr - Jim KC8PD	Power Team Mgr - James KD8VT	IT Team Mgr - Zeb KD8WZS
	VE Testing - Parky KB8UUZ	
OPERATIONS		
CW Station Captain - George K3GP	20m Station Captain - Erica AE8YL	40m Station Captain - Ed K8IV
Flex Station Captain - Jim KC8PD	VHF Station Captain - Errol KC8RJR	GOTA Station Captain - Mike KB8TUY
	Traffic & Messages - Bill WB9LBI	

73,
Chuck, W8PT
Field Day Chairman

Tour de Cure - 2015



Who: American Diabetes Association

When: Sunday, June 28, 2015

Where: Cleveland's Gateway Plaza

Address: Between Progressive Field and The Q

Routes: 100 mile, 74 mile, 57 mile, 28 mile, 5 mile

SIGN UP FORM -

<https://docs.google.com/forms/d/1EC1N4EnSDfRkse2ICRwkSp0e0Hm1gbU5Lq8Ewoe6jvI/viewform>

NEW FOR 2015! The American Diabetes Association Tour de Cure is starting from downtown Cleveland?! I am looking for volunteers to come help provide communications for this worthy cause. We're looking for operators to staff the command post at Gateway Plaza, rest stops, and strategic locations along the route. The more "eyes and ears" we have on the course, the better situational awareness we can provide to the American Diabetes Association.

The entire course goes from Cleveland Gateway Plaza out to Huron High School and back. The participant will ride some, or all, of the same course depending on the route chosen. Lunch is provided at the high school only for the 100 milers. All others will eat lunch at Gateway Plaza. Volunteers will receive a free t-shirt and a free lunch for their tireless effort. MAPS are available at <http://ridewithgps.com/routes/7353735>.

All volunteers are asked to register by clicking on the link listed below. Registration is important so I can make sure there are enough resources to suit the needs of the event.

<https://docs.google.com/forms/d/1EC1N4EnSDfRkse2ICRwkSp0e0Hm1gbU5Lq8Ewoe6jvI/viewform>

More information about the event can be found at:

http://main.diabetes.org/site/TR/TourdeCure/TourAdmin?pg=entry&fr_id=10202

Feel free to contact me (w8dec2@gmail.com) should you have any questions.

Thanks & 73,
Matt, W8DEC

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 2015.

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

K8CAV, WA8AR, N8RLG, WX1DER, KC8PD, KB8UUZ, W8PT, KB8AMZ, KD8FDK, WB8LCD, N8SY, W8DEC, the ARRL and the World-Wide Web.

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



Tom "Parky", KB8UUZ
PCARS Newsletter Editor



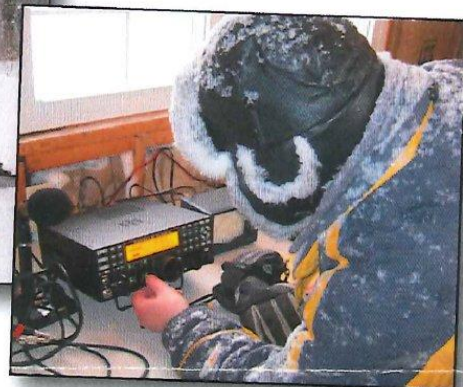
FYAO article in the Summit Racing/DX Engineering Newsletter

Since there were some DX Engineering and Summit Racing employees (who happen to be PCARS members) involved in the annual FYAO, I wrote up a short article and it appeared in the April 2015 edition of “Summ-it-Up”.

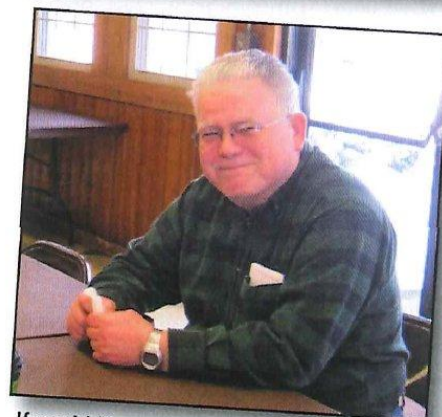
The “Summ-it-Up” newsletter goes to all Summit Racing and DX Engineering employees in Tallmadge, OH - Sparks, NV and McDonough, GA.



Setting up the shelters also involved a significant amount of radio tuning and adjustment



Gene AC8RH earned his first license last year, but has already upgraded to become a top-tier “Extra” class operator



If you'd like to learn more about this event, PCARS, or Ham Radio in general, Tom KB8UUZ is your guy

DX Engineering Does Freeze Your Acorns Off

You may have heard members of the DX Engineering team talking about DXpeditions, where operators travel to foreign places and set up makeshift stations. The goal is to make contact with as many other Hams as possible. Usually these DXpeditions take place in far away, warm locations, like the recent K1N from Navassa Island in the Caribbean. The Portage County Amateur Radio Service (PCARS) has an annual outdoor QRP (low power) event that is held in February. This year's event was the 10th Annual Freeze Your Acorns Off (FYAO) and it was held on Valentine's Day. The object is to make Ham radio contacts using only low power, temporary stations.

The morning started off at 22 degrees with heavy snow. By the time the event was over it was -7 degrees and still snowing—truly a Freeze Your Acorns Off kind of day. At times the snow was causing a complete white out that was so bad you could hardly see the parking lot.

DX Engineering and Summit Racing Amateur Radio operators were there—many are members of PCARS.

Six stations were set up outside in the brutal weather, two more were built inside a large, warm shelter house. When it was over, the 2015 winner was the team that DX Engineering's Ed Polack, K8IV had put together. Team members included Ed, K8IV (DX Engineering at 3800), Bob Hajdak, N8QE (DX Engineering Sales), Gene Bunner, AC8RH (Summit Racing Desktop) and Colin, KA8ZME.

As usual, when Ham Radio operators gather together, there was plenty of good food; everyone enjoyed the event.

*—Tom Parkinson, KB8UUZ, Guest Reporter
DX Engineering*

Printing Your Amateur License

I've gotten several phone calls from frustrated hams that are having a hard time finding just where in the vast wasteland of the FCC website you have to go to get an "official" copy of your license. A friend of mine actually wrote to the FCC and got a pretty good description of how you have to navigate around to get to the area where you can get a .PDF copy of your current license to download and print.

Here goes..... **Please remember, this comes from the FCC.....**

PLEASE NOTE: Per Public Notice DA 15-72, The FCC no longer mails license authorizations. If you provide an email address on your application, an official copy of your license will be automatically emailed to you after the application has granted.

Licensees can also opt to download electronic authorizations by logging into License Manager:

Log in to <https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp> with your FCC Registration Number (FRN) and Password (Ed. Note..... This is essential. You have to have these two items BEFORE you begin)

If you do not know the password:

- Click on the Contact Tech Support link
- Click the Reset Password button and follow the prompts for resetting the password
- After receiving confirmation of a successful password reset, click the link for Universal Licensing System (DO NOT click the CORES Public Interface link).

Click the button labeled ULS License Manager; you will be taken to the log in screen

Click the "Download Electronic Authorizations" link on the navigation bar on the left side of the License Manager home page.

1. To search for the authorization(s) you want to download:
 - a. Enter the call sign OR
 - b. Enter a date range (based on Effective Date of the license)
2. In the My Authorization box, select the call signs you wish to download
3. Add the call signs to the Authorizations to Download box.
4. Once the licenses have been selected, click the Download button in the lower right-hand corner of the screen.
5. The download will be automatically converted to a PDF file, and you can choose to Open (to print) or Save (to save to a desired folder).



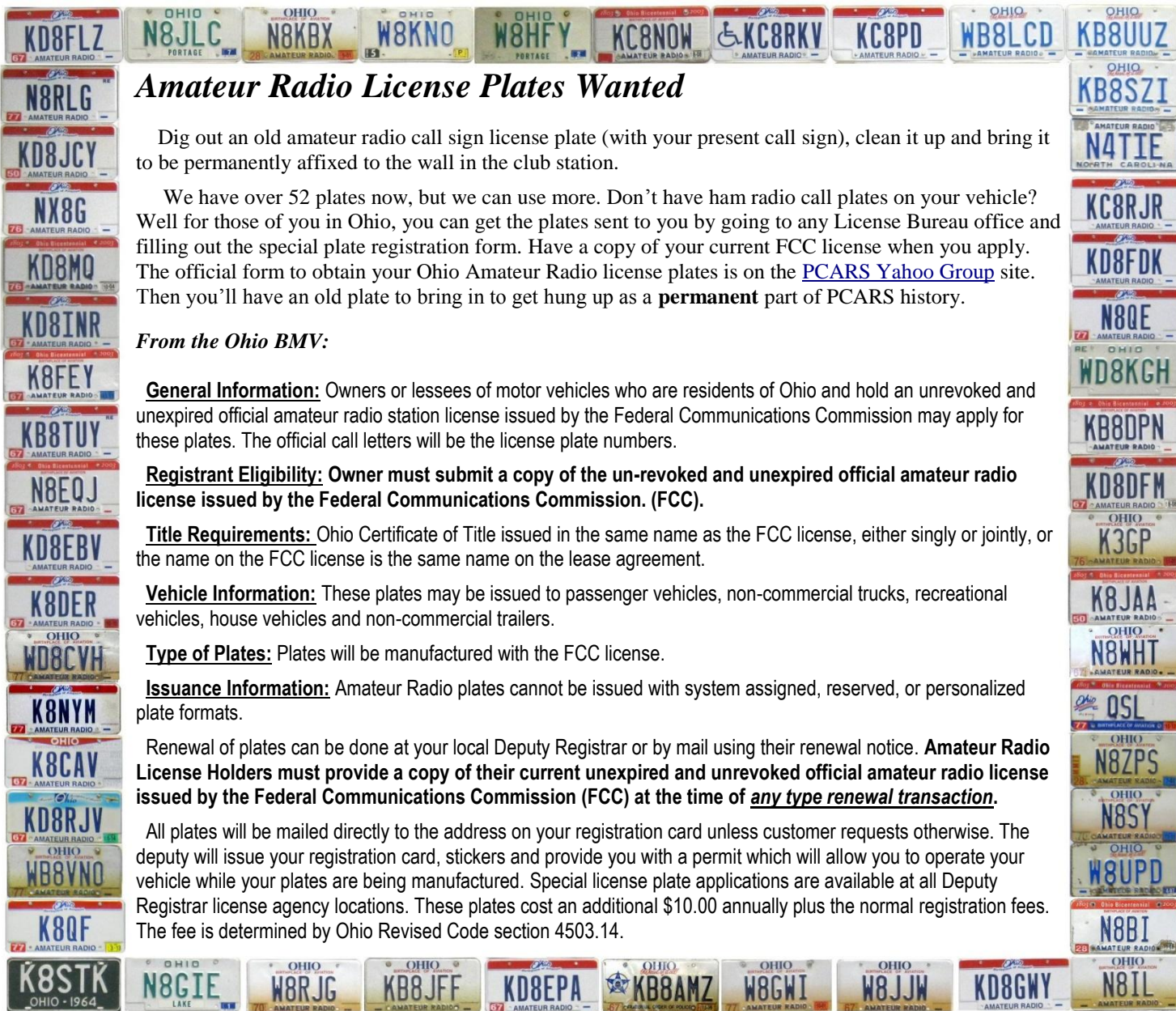
Downloading Authorizations Using MAC Operating Systems: The FCC recommends using the Chrome or Firefox browsers for MAC when downloading authorizations using the MAC OS.

Should you have any further questions or need additional information, please submit a request for help at <http://esupport.fcc.gov/index.htm>, or call the FCC Licensing Support Center at 1-877-480-3201, selecting option 2 after the main menu recording.

Sincerely,
FCC Licensing Support Center

Whew - make sure you keep a copy of these instructions handy as you navigate the FCC site.

Scott, N8SY
ARRL Ohio Section Manager



Amateur Radio License Plates Wanted

Dig out an old amateur radio call sign license plate (with your present call sign), clean it up and bring it to be permanently affixed to the wall in the club station.

We have over 52 plates now, but we can use more. Don't have ham radio call plates on your vehicle? Well for those of you in Ohio, you can get the plates sent to you by going to any License Bureau office and filling out the special plate registration form. Have a copy of your current FCC license when you apply. The official form to obtain your Ohio Amateur Radio license plates is on the [PCARS Yahoo Group](#) site. Then you'll have an old plate to bring in to get hung up as a **permanent** part of PCARS history.

From the Ohio BMV:

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

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

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

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

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

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

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

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

PCARS 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: Bob, N8QE or e-mail him at: N8QE@portcars.org

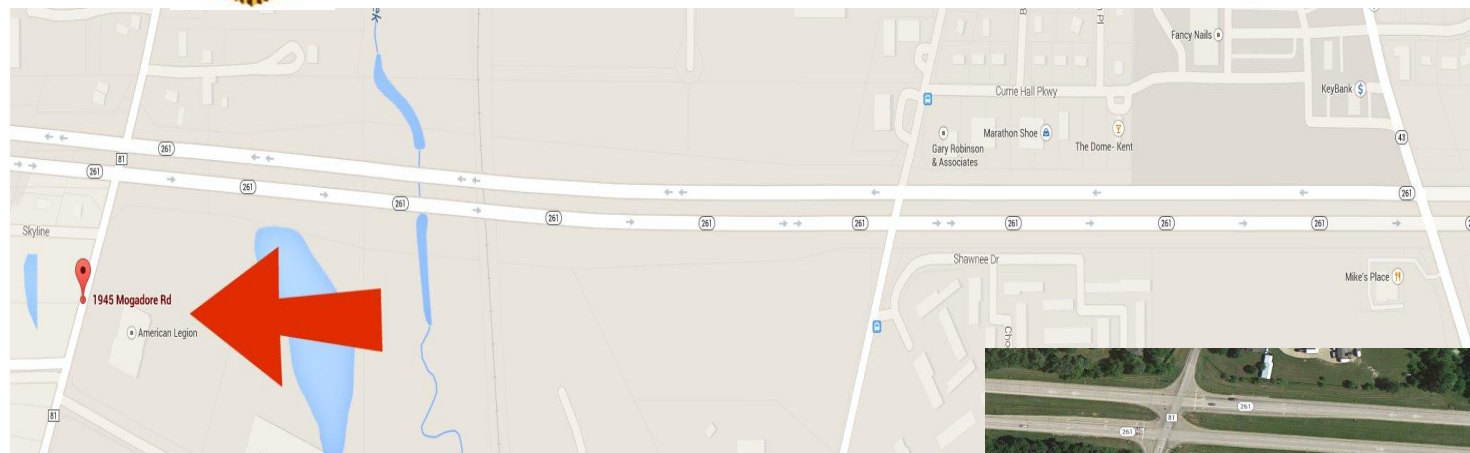


PCARS Meetings

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



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



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



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

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

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



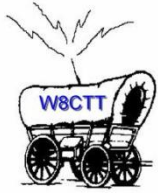
Pictures from the April PCARS Meeting





PCARS

April 13
2015



Pioneer Amateur Radio Fellowship, Inc.

Dayton Hamvention 2015

Saturday, May 16, 2015 - 5:30 AM



Don't miss out on this year's PARF Bus Trip to the world's largest topical conference and product exhibition. Save on gas, parking, and walking by riding with us! Leave the driving to us and you can come and go to the flea market with your great purchases and leave them on the bus. The bus will be parked close to the flea market entrance.

You can save \$10* if you book before April 15th.

The cost of the **Bus & Entrance ticket** to the Hamvention:

\$65* before April 15, 2015

The cost of the **Bus Only** to the Hamvention:

\$50* after April 15, 2015

(You will need to get your own Hamvention Entrance Ticket at gate \$25, or order by phone & have held at Will Call--possibly getting Advanced \$20 price.)

P.A.R.F. reserves the right to cancel this trip should a minimum of 23 riders not be secured by April 15th.

We will take riders right up to departure that morning (if there are seats available) on a first come, first served basis.

Departure time is 5:30 AM **SHARP**, so please be on time so you don't miss the bus!

Parking will be in the back of the church.

There will be a stop for breakfast @ McDonald's and a dinner stop @ Golden Corral Buffet (out of pocket expense).

Transportation is being provided by the Crossroads Transportation Company.

This bus is a smoke free bus, so there will be no smoking permitted.

To Order - Complete application & send with check/money order (*payable to "PARF"*) to:

Joy Spencer [KA8TDF](mailto:KA8TDF@arrl.net)

2101 Bigelow St

Akron, OH 44314

Or call 330-745-5115

E-mail: KA8TDF@arrl.net

Please supply a return e-mail address for your receipt confirmation.

Location of Departure is:

Akron Baptist Temple

2324 Manchester Road

Akron, Ohio 44314

Located on Rt. 93 just north of Rt. 224

Repeaters 147.135 & 146.610

Please pass the word out to all of your ham friends & computer geeks.

The above pricing does not include any tips...a hat will be passed for driver's tip.

Fourth Annual GREAT LAKES EMERGENCY COMMUNICATIONS CONFERENCE

"Where Education and Training Meet"

SATURDAY, JULY 18, 2015

8:00AM to 5:00PM

GILMOUR ACADEMY LOWER SCHOOL

****35001 Cedar Rd, Gates Mills, OH 44040 ** TALK-IN 146.79 (-) PL 88.5 ** GLECC on APRS****



Go Box Display



Emcomm Vehicle Display



Forums and Presentations

**MANY DISPLAYS, DEMONSTRATIONS, AND TRAINING SESSIONS
FREE TRAINING TO ALL PARTICIPANTS!**

LUNCH PROVIDED AT LOW COST!

Visit the website for online registration, directions, schedule, and more information

<http://www.glecc.net>

LICENSE EXAMS

Want to become an amateur radio operator?

Want to upgrade to General Class or Amateur Extra Class?

Contact Jackie N8JMW at 440-636-2806 or n8jmw2@gmail.com for details

Event Chairman

Matt Welch W8DEC

440-636-2560

w8dec@arrl.net

Vice Chairman

David Andrzejewski KD8TWG

440-220-2064

david@davidandrzejewski.com

The GLECC Committee is comprised of highly motivated and experienced volunteers from the amateur radio community dedicated to the education and training of volunteers interested in public service, emergency, and disaster communications.



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

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

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



All are welcome to attend ~ 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

2015 PCARS Appointments & Committees

ARRL Awards - DXCC WAS, VUCC, WAC	W8KNO	Joe Wehner
ARRL Awards - WAS	KB8UUZ	Tom Parkinson
Club Site Manager/Liaison	KC8PD	Jim Aylward
Contest Coordinator	W8PT	Chuck Patellis
EchoLink	K8SRR	Steve Randlett
Field Day Chairman	W8PT	Chuck Patellis
FYAO Chairman	W8PT	Chuck Patellis
Historian	KB8SZI	Peggy Parkinson
K8BF Callsign Trustee	K8FEY	Bob Hewett
K8BF QSL Manager	K8FEY	Bob Hewett
Membership Chairman	KC8PD	Jim Aylward
Net Manager	WB8LCD	Tom Sly
Net Night - Club Manager	WB8LCD	Tom Sly
Newsletter Editor	KB8UUZ	Tom Parkinson
OSPOTA Chairman	KB8UUZ	Tom Parkinson
P.I.O.	WA8AR	Tony Romito
Secretary	K8MSH	Mark Haverstock
Tech & Gen Class Manager	AC8NT	Jim Wilson
V.E. Liaison	N8RLG	Robert Gurney
Webmaster	KD8MQ	John Myers



PCARS
Active
Volunteer
Examiner
Team
Members

KC8PD	Jim Aylward
KB8UUZ	Tom Parkinson
WB8LCD	Tom Sly
N8XTH	Deron Boring
N8PXW	Jim Korenz
N8QE	Bob Hajdak
W8PT	Chuck Patellis
K8IV	Ed Polack
K8QF	Russ Conklin
WD8CVH	Ted Wands
N8RLG	Robert Gurney
KD8FLZ	Mike DiCarro
WA8CCU	Al Nagy
NR8W	Russ Williams
W8EZT	Frank Tompkins
N8OQQ	Bryan Buchwalter
AC8NT	Jim Wilson
K8MSH	Mark Haverstock
KA8TOA	Greg Ash



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 © 2015. 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!**

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ARES® (Amateur Radio Emergency Service®) is a program of, and both logos are registered trademarks (used with permission) of the American Radio Relay League, Inc. ARRL, the National Association for Amateur Radio™. **Why the Black Squirrel in**

our logo? For those of you not familiar with it: The Black Squirrel is now commonly seen around Portage County, Ohio. Seems that some of these little guys and gals got loose from Kent State University back in 1961. 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

NLC

THE RADIOGRAM

