



~ 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



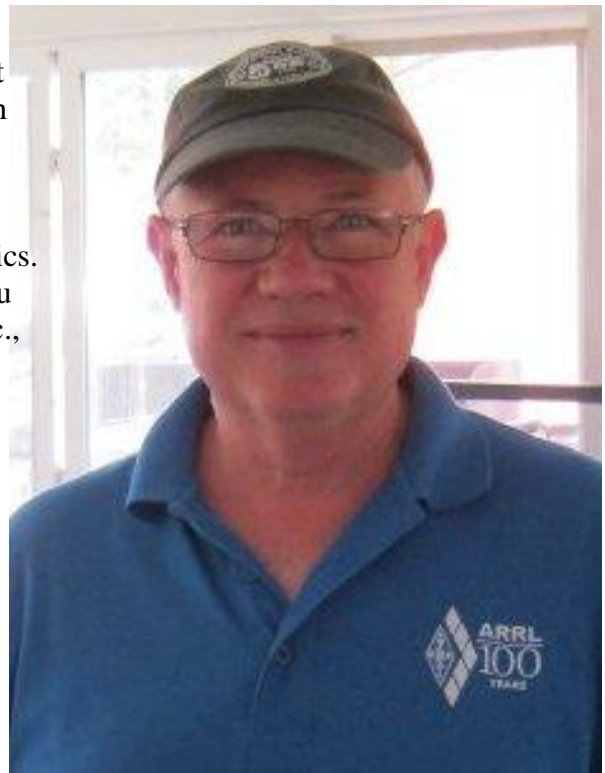
Special Services Club
March 22, 2010

From the President

September is generally recognized as the month the kids go back to school. What about you? Is your education complete? Maybe your formal education is, but is that any reason to stop learning? I don't think so. I recently read an article about Alzheimer's disease which said that simple activities, such as exercising, doing crossword puzzles and playing cards, correlated with reduced risk of Alzheimer's disease and other forms of dementia. The key here is keeping your mind busy, rather than just being passively entertained.

If you've been hanging around the fringes of Amateur Radio, but not really "all in", I want to challenge you to become more involved, both with the hobby in general, and with PCARS. There is probably no better hobby to challenge you to learn more than Amateur Radio. Start with the science and math of radio and electronics. How about geography? Language skills? If you include building your own radio room, desk, etc., then you add in carpentry and design skills. The integration of computers and digital operations adds a whole different set of skills and knowledge.

PCARS tries to offer a fun experience to all of our members, but at the same time, you could learn a lot by being a participant in more of the activities of the club. Start with our meetings. We try to be a "general interest" type club and give you opportunities to learn a little about a lot of different topics related to amateur radio. Go back and look at the meeting topics over the past couple of years. It's a pretty broad range of the amateur radio spectrum. Want to get a little more focused – then start hanging out at the Tuesday evening Special Interest Group of your choosing. Interested in learning Morse code? There's a new class starting on Wed. September 3rd. Contact Terry, KB8AMZ if you want more information. We've had several "weekend workshops" on technical subjects designed to get you working with circuits and test equipment. Watch for the next one coming up. Digital nets on Tuesday nights a couple times a month. Operating activities. PCARS has an awful lot to offer for your further education in Amateur Radio! Make sure you're a part of it.



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From the President (continued from Page 1)

If you know someone who is interested in Amateur Radio, the Fall Tech class will be starting soon. Copy the page with the class information and spread it around. They can't get involved with us if you don't tell them about it! Speaking of learning, how would you like to be a teacher at one of our Tech class meetings?

Learning and passing the test is one thing, teaching the class so others can pass the test will further cement the concepts and facts into your mind, as well as improving your comprehension of those concepts. Plus, you'll make some really good friends in the process and help preserve the hobby for the future. If you would like to teach, or help out with the fall class, please let me know. I'll get you in the program.

Have you taken any **FEMA NIMS** courses? You can do it on-line, and it's **FREE!** If you plan on making yourself available for any EmComm operations, it's a pretty good place to get some basic information as to how most things are going to be run these days. Suggested courses to take are (as of Sept 2013) **IS-700a, IS-100b, IS-800b, & IS-200b** (preferably in that order). There's a lot of good

information in there, even if you never do plan to operate in response to an emergency. The courses are listed at <http://training.fema.gov/EMIWeb/IS/crslst.asp>.



These are pretty much the basics for becoming involved with the Portage County EMA RACES/Comms Unit, but, becoming involved with the Comms Unit will give you opportunity to learn a whole bunch more on other amateur radio topics and help you become proficient in them. Digital comms, mesh networking, message handling, 60 meter operations, and much more. It's a useful and educational experience to be involved in.

There's no shortage of interesting topics to be covered with amateur radio. Don't let a "short between the headphones" occur under your hat. Keep active and involved. I'm sure you'll learn a lot from the other PCARS members, and just as importantly, you may have something to share with the rest of us. The guys (gender neutral) having the most fun with this hobby are the ones who are out there doing it – not sitting on the sidelines. There's a lot to learn and a lot of skills to acquire. We all start at the beginning. Sure, you may be awkward at some of it in the beginning, but the more you participate, the more you learn, the better you'll get. Keep it up and pretty soon you'll be an awesome amateur radio operator! What could be better than that?

73,

Tom, WB8LCD
PCARS President



From the Vice President

A major goal from day one for PCARS leadership has been to provide club members with a full spectrum (no pun intended) of amateur radio activities. Some clubs find their success by focusing on a single topic such as DXing. That was not the route that we wanted to go.

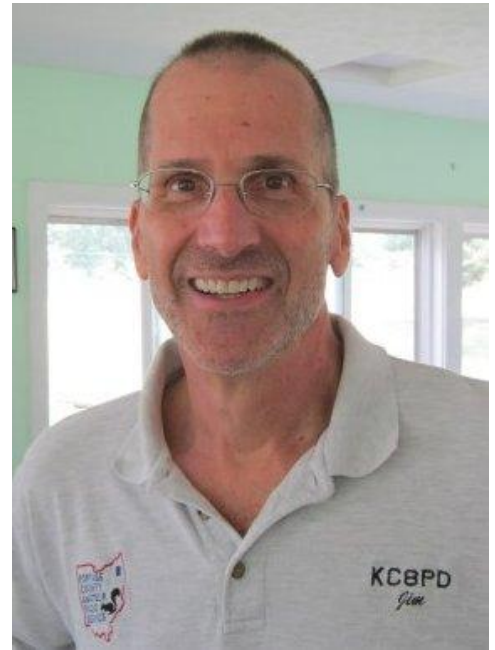
When the club's founders sat around the table and discussed what each of us would like see the club do, we recognized that each of us found some different aspect of the hobby to be the most interesting. We figured that the club's membership would be just as diverse and we should plan to provide activities that would appeal to everyone.

Just as important to us was that, for each program or activity, PCARS members would be able to get involved as organizers/presenters as well as participants.

Consider the range of programs that we have offered:

- * **Educational:** The Technician class as well as the General and Amateur Extra upgrade courses and the many special topic Weekend Workshops.
- * **Special interests:** There are Special Interest Groups for Digital Modes, DX/Contesting, CW/QRP, Antennas, and Linux. Plus, there have been CW classes from Bill, WB9LBI, and Terry, KB8AMZ.
- * **On-air operations:** The PCARS club station has been activated for the Ohio QSO party and other state QSO parties and contests such as the RTTY Roundup. And don't forget those weekly club nets and the chance to serve as an NCS.
- * **On-air activities and contests:** The Ohio State Parks On The Air (OSPOTA) contest was created by PCARS and provided the template for clubs in other states to copy. Participation has increased every year. In the Fall, we have the Two Meter Simplex Sprint.
- * **Field Day:** PCARS Field Day operation gives everyone a chance to get involved in what has proven to be an outstanding event.

- * **Just plain fun stuff:** Net Nites at the club site, the Bar-B-QSO Party, the Cruise-In, as well as the Christmas Party and the annual club picnic. Great times to just come out and have some Big Fun.
- * **Kit projects/workshops:** From antennas to Anderson PowerPoles, coax connectors, and so on. Inexpensive, fun to work on and educational, too.
- * **The club site:** Many PCARS members have contributed hundreds of hours to outfit and maintain a club site unlike any other that you might find in Ohio.
- * **Public service:** PCARS has actively supported ARES® of Portage County and the EMA's Communications Unit and encouraged its members to get involved in public service events.
- * **Monthly meetings:** Every meeting offers an interesting presentation about a topic related to amateur radio.



Truly, something for everyone in the ham radio hobby. **Come on out and be a part of it.**

73,

Jim, KC8PD
PCARS Vice President



Mark Your Calendars

On the calendar for upcoming meetings and activities are:

- **September 3rd - Morse Code Class** - starts at the club site 7:30 pm - 8:30 pm
- **September 6th - Ohio State Parks On The Air** contest (see flier in this newsletter)
- **September 8th - PCARS Meeting** - Don BuBon, N6JRL - **Youth DX Adventure Program** and Geoff Howard, W0CG - probably best known as **PJ2T** will be at the meeting as well
- **September 13th - North American Sprint**, SSB contest - at the club site 8 pm until Midnight
- **September 23rd - Technician Class** starts at the club site (see flier in this newsletter)
- **October 4th - 49th Running of The California QSO Party** - 1600 UTC October 4, 2014 to 2200 UTC October 5, 2014 at the club site

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 late October - Morse Code Class at the club site - 7:30 pm



Ohio State Parks On The Air



contest September 6th



Happy Birthday PCARS Members

PCARS members having a birthday in September:

W8IFM	Bill	Dunn	KD8BBT	Andrew	Six
WB8VYW	Mike	Hutsler	N8RLG	Robert	Gurney
WD8CVH	Ted	Wands	NT8K	Bob	Whiddon
WD8BIW	Karen	Warner	KC8UNR	Mike	Cibella
KD8PBL	Richard	Taylor	AC8NT	James	Wilson
KD8FME	Jim	Conlin	KD8VT	James	Andrews
KD8HGI	Frank	Sheline III	KD8UXG	Scott	Gardner
K8NI	Norm	Into	KC8KYW	John	Kametz
N8KBX	Bob	Magree	W8DAC	Duane	Crawford
KD8ZDZ	Steve	Guldeman	K5RDL	Ruben	Luevano

PCARS VE Test Sessions

PCARS VE sessions are scheduled for 10:00 am on the first Saturday of every even numbered month.
August 2nd, October 4th, December 6th

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's 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 Yahoo Site

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/>



OSPOTA Yahoo Site

Looking for the latest information on the upcoming **Ohio State Parks On The Air** contest? Check out the **OSPOTA** Yahoo group at:

<https://groups.yahoo.com/neo/groups/OSPOTA/info>



There are all kinds of activities going on and people are setting up their schedules in the Ohio State Parks. Make sure you are ready for the 2014 **Ohio State Parks On The Air** contest - **September 6, 2014**.

Contest Calendar

September 2014	
MI QRP Labor Day CW Sprint	2300Z, Sep 1 to 0300Z, Sep 2
Ohio State Parks On The Air	1600Z to 2400Z - Sep 6
North American Sprint, CW	0000Z-0400Z, Sep 7
Arkansas QSO Party	1400Z, Sep 13 to 0200Z, Sep 14
ARRL September VHF Contest	1800Z, Sep 13 to 0300Z, Sep 15
North American Sprint, SSB	0000Z-0400Z, Sep 14
Washington State Salmon Run	1600Z, Sep 20 to 2400Z, Sep 21
CQ Worldwide DX Contest, RTTY	0000Z, Sep 27 to 2400Z, Sep 28
Texas QSO Party	1400Z, Sep 27 to 2000Z, Sep 28

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

ARRL Legislation

HR 4969

HR 4969 — the “Amateur Radio Parity Act of 2014”— has recently been introduced into the 113th Congress.

Support this effort: Contact your representative in Congress to ask for their support.

Get Behind HR 4969

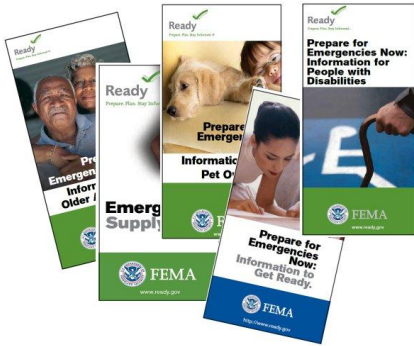
► <http://www.arrl.org/hr-4969>

The banner features a blue background with white stars and a central blue circle containing the text "Get Behind HR 4969". The ARRL logo is also visible in the background.

EmComm

It's that time of year again for National Preparedness Month. Sponsored by the Federal Emergency Management Agency, the month of September is set aside for educational programs nationwide encouraging all of us, not just hams, to be prepared for natural disasters.

Many of us think that we have things covered for personal, family and business emergency preparedness. But there is always more to be learned and there are some handy resources for that.



Start out with FEMA's www.ready.gov web site. From brochures to checklists, whether for families or businesses, you will find a ton of helpful data. This includes everything from pandemics to house fires to natural disasters.

There is information about preparing all types of safety plans for individuals, households, communities, or even students on campus. You can also find recommended lists for the items you should include in your preparedness kits.

You can also find a lot of information on how to get involved in community activities and a wealth of information for businesses. For instance, you or your employer may want to take a look at the section on continuity of operations planning.

You can also check FEMA's emergency preparedness publications at <http://www.ready.gov/publications>.

The State of Ohio is also has some skin in this game and you will want to review the Ready Ohio web site: <http://publicsafety.ohio.gov/NPM/index.stm>.



And these days it almost goes without saying that there is an app for that! Find it at <https://itunes.apple.com/us/app/fema/id474807486?ls=1&mt=8>

Check those sites out and get to work on making things safer for you and your family by being better prepared. And since it's the beginning of the month, have you charged all of those backup and HT batteries lately?

Upcoming events needing volunteers and points of contact include:

September 6th **Mantua Potato Stomp** - contact: Jim, KC8PD, kc8pd@portcars.org
September 27th **Akron Marathon** – signup at www.summitares.org/signup_training.php?code=0



73,

Jim, KC8PD/AAR5AI

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



Rookie RTTY Roundup

The ARRL holds three contests every year called the “Rookie Roundup” contests. These contests are held to encourage newly licensed amateurs to participate on the HF bands and experience operating in a contest environment. They include a SSB phone contest in April, a RTTY contest in August, and a CW contest in December.

This year PCARS decided to open the club site to interested members for the ARRL Rookie RTTY Roundup and Keith, AC8PR jumped at the chance to learn and polish his skills as a RTTY contester. Keith is a newly relicensed Extra class operator who reentered amateur radio after a twenty-some year hiatus and used to operate RTTY back in the days when it required a mechanical tele-printer and shelf with four hundred pounds of equipment to operate (OK so I exaggerate a bit hi). Keith has been working on PSK-31 and RTTY at home using modern sound card methods so he came to the contest already having good skills to help his efforts.

Keith checked the QRZ web site before the contest started and scanned through the HF bands to see how propagation looked and decided that 20 meter was the place to start. As it turned out 80, 15, and 10 had virtually no activity to be heard and 40 only opened with activity

later in the contest. At 2:00 PM Keith started logging contacts. Hunt and pounce worked well for him but it turned out that contacts were few and far between.

Calling CQ resulted in a few more contacts but again not many. Propagation did not seem to be especially poor on 20 as the contacts Keith was making were in the south, southeast west and southwest but as PCARS was in the middle of installing a new vertical antenna and repairing the 20 meter beam, being limited to the 80-40 dipole may have been part of what caused less than ideal contacts being made. Despite the dearth of contacts Keith kept at it, diligently searching the 20 meter band and occasionally jumping to other bands to check for activity.

Late in the afternoon he found some activity starting up on 40 meters so he switched there and was able to add to his total. Keith stayed with it until the contest ended at 8:00 PM and he wound up with twelve rookie contacts and eleven non-rookie contacts spanning twelve different states and one Canadian province, for a final claimed score of 468. It goes without saying that he also had an enjoyable time at the PCARS K8BF “Big Fun” club site.



To all of you who have been licensed, or relicensed within the past three calendar years, the Rookie Roundup contests are a great way to get your contesting feet wet and have a great time doing it. PCARS will be there to help and mentor, so mark your calendars and let the PCARS leadership know you’d like to operate!

73,
Rick, K8CAV



Ohio State Parks On The Air
contest
September 6th



Special Event - Last Man Standing

The Southern California based PAPA Repeater System will be reprising its popular special radio event! Under the call sign K6H, "Ham Radio Celebrates Hollywood" will be held on **Sunday, September 28, 2014 from 7:00 am to 3:00 pm PST (10 am until 6 pm Eastern Time)** and originate from Stage 9 of the CBS Studio Center facility in Studio City, California.

Historic Stage 9 is the home of ABC's hit TV show, "Last Man Standing", starring Tim Allen. "Seinfeld", "Spin City", "According To Jim", "Cane", "The Cleaner" and "The Defenders" are among the shows that have been shot on the stage.



"Last Man Standing", starring Tim Allen as K0XTT, has just been renewed for its 4th season and a number of the shows licensed radio operators will be on hand to host the PAPA members. Many paths and modes will be available to contact the stage including HF, VHF, UHF, DSTAR, Echolink and IRLP.

This is not a contest, but a fun opportunity for amateur operators to talk directly to the stage on the equipment seen on "Last Man Standing" each week.

To facilitate contacts the event will be streamed live via the internet and operators will BLOG in real-time on Twitter and the PAPA System webpage. A special, limited edition QSL card will be issued to all confirmed contacts. A schedule of operating times and frequencies will be announced shortly. For more information contact Rob Antonacci at: sideshowbob0374@yahoo.com and watch the PAPA System Website <http://www.papasys.com/>



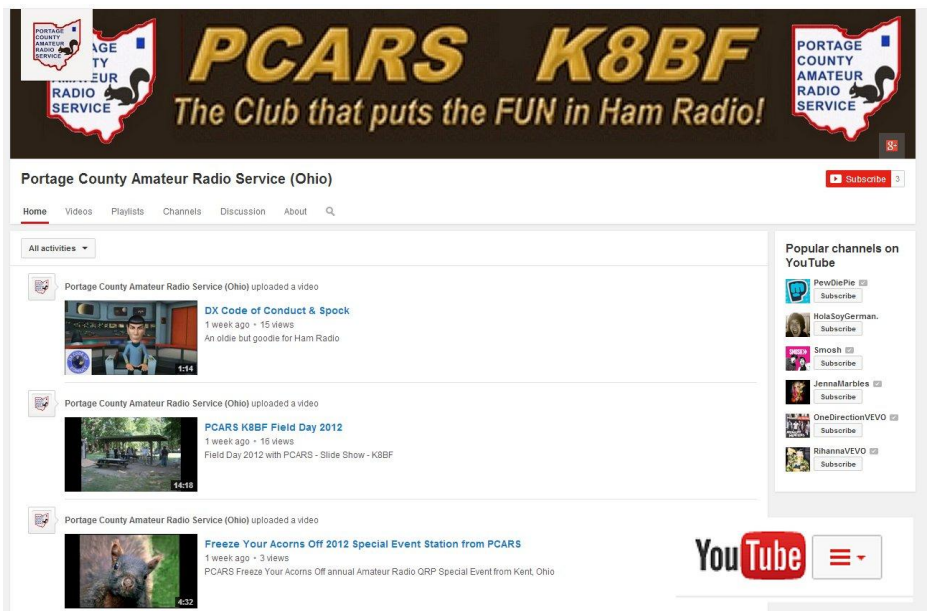
PCARS is on YouTube

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.



Check it out at:

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



CW Class Starts September 3rd



Where: PCARS Club site in Ravenna
When: Wednesdays, 1930 – 2030

I have been asked by about a dozen club members when/if/would I conduct another CW instruction class. Some of those members already are familiar with the Morse Code but want to get faster, and some know nothing.



I said I would consider it. Several months have passed with several more requests, so I will commence a class at the clubhouse **September 3, 2014** as Part 1. For those that know no Morse Code or want to be refreshed the class first part of the class will require 7 weeks. Using the previous requirements to pass the Amateur Radio Code Proficiency Exam there are 40 characters that the Amateur CW operator should know: 10 numerals (0-9), 26 alpha characters (a-z), and 5 punctuation symbols (period, question mark, comma, right slant bar, and the double dash).

I calculate the 8th week to be October 22 where Part 2 will commence showing and doing things to gain speed in copying CW.

Requirements:

- * Eagerness to practice.
- * A tool to practice randomly sent Morse Code characters using what is required for the week.

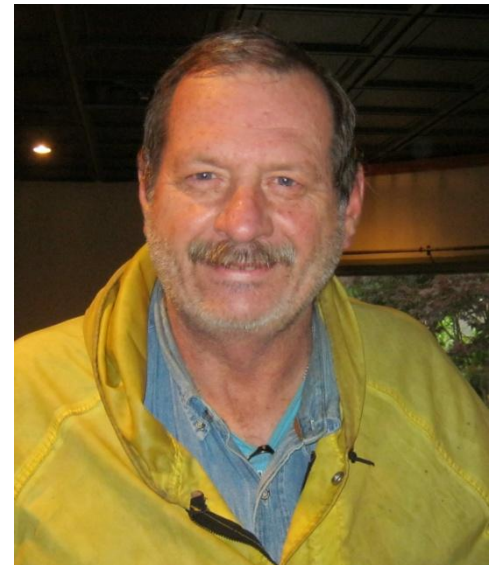
With today's technology the student shouldn't be hampered with a lack of an instrument to practice listening to CW as some of us were in the 70's and/or years before. We used a phonograph - that's a box with a motor that turns a platter with one long track that has ridges that transfer sound through a needle through electronic circuitry to provide a sound. Later, there were also tape recorders with a tape that had practice sequences of morse code to be listened to.

There are apps for smart phones and android phones; there are free software applications that run on Microsoft Windows, OS/X, and Linux/Unix operating systems. There are websites you can bring up on the Internet that will send practice CW to you.

- * Bring scratch paper and pencil or pen for Part 1.
Those items are optional for Part 2.

Some classes will last from 30-45 minutes and some may only last about 25-30 minutes.

I hope those that attend will have an enjoyable time. This class is not an attempt to receive 20 wpm or faster, but will be structured for you to copy at a speed faster than what you copy at now. Hope to see you in the class.



Terry, KB8AMZ

Hamfest Calendar

09/07/2014 - Butler County Amateur Radio Association SwapFest - Location: Unionville Fire Department - 102 Mahood Road - Unionville, PA 19375 - Website: <http://www.w3udx.org> - Public Contact: Rick Melton , N3VKM - 214 Criley Road Cabot, PA 16023 - Phone: 724-287-8134 - Email: N3VKM@arrl.net

09/07/2014 - Findlay Radio Club - Findlay Hamfest - Location: Hancock County Fairgrounds - 1017 East Sandusky Street - Findlay, OH 45839 - Website: <http://www.w8ft.org> - Public Contact: Bill Kelsey , N8ET - c/o Findlay Radio Club PO Box 587 Findlay, OH 45839 - Phone: 419-423-3402 - Email: n8et@woh.rr.com

09/28/2014 - CLEVELAND HAMFEST AND COMPUTER SHOW - Location: Cuyahoga County Fairgrounds - 164 Eastland Road - Berea, OH 44017 - Website: <http://www.hac.org> - Public Contact: Glenn Williams , AF8C - 513 Kenilworth Road Bay Village, OH 44140 - Phone: 440-835-4897 - Email: af8c@arrl.net

10/05/2014 - 2014 Conneaut ARC (W8BHZ) Hamfest - Location: American Legion Hall Cowle Post 151 - 272 Broad St. - Conneaut, OH 44030 - Website: <http://qsl.net/w8bhz/> - Public Contact: J Michael Pongrass , KD8OSJ - PO Box 693 - 698 Harbor St. Conneaut, OH 44030 - Ph: 814-440-6679 - Email: kd8osj@yahoo.com

11/02/2014 - Massillon ARC Hamfest - Location: Massillon Boy's & Girl's Club - 730 Duncan Street SW - Massillon, OH 44646 - Website: <http://www.w8np.org> - Public Contact: Terry Russ , N8ATZ - 3420 Briardale Drive NW Massillon, OH 44646 - Phone: 330-837-3091 - Email: truss@sssnet.com



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: K3GP@portcars.org



PCARS
Join Now
Discover the FUN



Ham Tunes

The program for the 2014 WRTC opening ceremonies was a fun filled evening. Of the more interesting and theme relevant items was the background music being played - it all had some tie to either Boston (the home of the 2014 WRTC) or radio. Check out the list below:



Opening Ceremony 7:00 PM July 10, 2014

Welcome WRTC2014 Chairman Doug Grant, K1DG

Procession of Referees

Referees' Oath Chief Judge Dave Sumner, K1ZZ

Procession of Competitors

Competitors' Oath Grand Marshal Ed Giambastiani, Jr., N4OC

Declaration of WRTC2014 Opening

Dinner

Looking back at WRTC Rusty Epps, W6OAT

Tonight's Music

The music playing during dinner includes an assortment of songs about Boston, Massachusetts, or Radio in one way or another. They cover a wide range of styles, from "Easy Listening" to rock to rap and everything in between and many are by Boston-based artists. We hope you enjoy them. Thanks to Tree, N6TR, for compiling the mix.

Songs about Boston or Massachusetts

Boston - The Byrds
Boston (My Hometown) - Freddy "Boom Boom" Cannon
Dirty Water - The Standells
For Boston (Boston College fight song) - Dropkick Murphys
I'm Shipping Up to Boston - Dropkick Murphys
Massachusetts - Aaron Lewis
Massachusetts - Arlo Guthrie
Massachusetts - BeeGees
(Charlie on the) M.T.A. - Kingston Trio
Old Cape Cod - Patti Page
Please Come to Boston - Dave Loggins
Roadrunner - Jonathan Richman
Sweet Baby James - James Taylor
Sweet Little Sixteen - Chuck Berry
The Fenway - Jonathan Richman

Songs about Radio

Do You Remember Rock 'n' roll Radio? - Ramones
I Can't Live Without My Radio - LL Cool J
I Love My Radio (My Midnight Radio) - Taffy
Morse Code of Love - The Capris
On the Radio - Donna Summer
Radio - Beyonce
Radio - Darius Rucker
Radio Ga Ga - Queen
Radio Nowhere - Bruce Springsteen
Radio Radio - Elvis Costello
Radio Waves - Roger Waters
Turn Up the Radio - Madonna
Western Union - The Five Americans

Processional music provided by Fife & Drum Quartet of Menotomy Minutemen (www.menotomy.org)

73,
Tim, K3LR

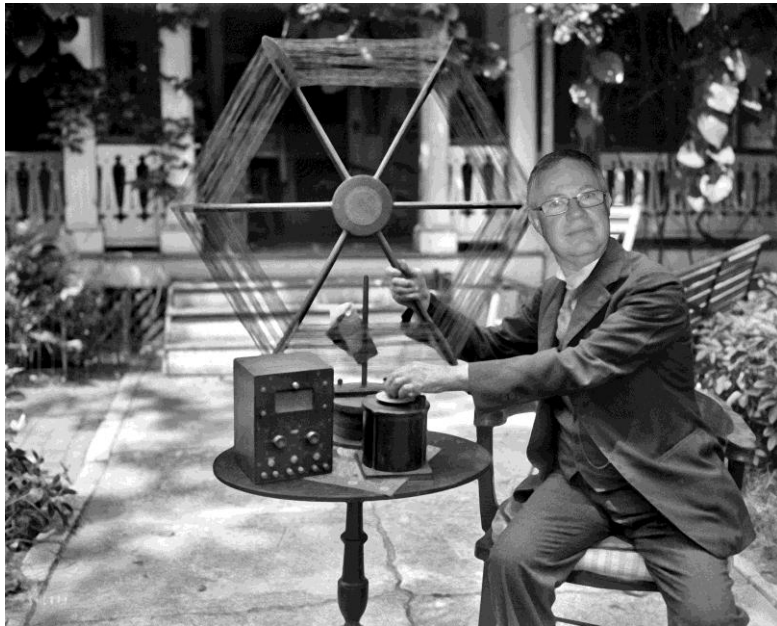


PCARS K8BF
The Club that puts the FUN in Ham Radio!



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 !!



September	
4	WB8LCD
11	KB8UHN
18	KC8PD
25	WB2DFC

October	
2	KD8FDK
9	N8WLE
16	KB8UUZ
23	KB8UHN
30	WB8LCD

November	
6	N8QE
13	WB2DFC
20	KC8PD
27	N8WLE

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

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



Swap-N-Shop

WANTED: Two (2) PCARS coffee cups. I accidentally broke the ones I had..... My morning coffee just isn't the same without a PCARS cup. **WILL PAY TOP DOLLAR** - well, maybe not Top Dollar, but willing to pay for them, *please*.

Contact Al, WA8CCU at WA8CCU@portcars.org [09/02/14]

FOR SALE: Andrew 2.4GHz (wi-fi) window antenna, new in box, QD-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 [10/02/14]

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 [10/02/14]

WANTED: Apple Brand Wall Charger. For the Apple 3G, 3GS, 4 or 4S. No knock offs. Want the real thing so I can get cluster info and QRZ working on my smart phone.

Contact Bucky, N8OQQ at N8OQQ@portcars.org [10/02/14]

FOR SALE: MFJ-269 Antenna Analyzer - (269, not the 259) covers from 1.8-170 MHz & 415-470 MHz - comes with manual and with the MFJ-1312 Wall Adapter - \$274

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

FOR SALE: LaCrosse Atomic Clocks (2) - can display UTC (not all atomic clocks will) - 2 clocks - \$30 for the pair, set one for Eastern, one for UTC.

Contact Tom, KB8UUZ at KB8UUZ@portcars.org [10/02/14]



VE License Exams - Information Regarding FCC Rule Changes

As most of you have heard, the FCC has revised the Amateur Service Part 97 rules to grant partial written examination element credit to holders of expired General, Advanced and Extra licenses. The new rules become effective 30 days after their publication in The Federal Register, which was Monday July 21, 2014.

Expired license holders will not automatically receive credit on that day and may not operate as a new licensee. The FCC requires former licensees - those falling outside the 2-year grace period - to pass Element 2 (Technician) in order to be relicensed.

To take advantage of the new rule, holders of expired licenses must attend an exam session. There they would present a photo ID and their expired license proof, pay the \$15 exam session processing fee and take the Technician exam.

If an applicant held a General or Advanced license, and has proof, the FCC will afford credit for the General (Element 3) written exam only. If an applicant held an Extra license, and has proof, the FCC will afford credit for the General (Element 3) and Extra (Element 4) written exams. At VE exam sessions it is the applicant (not the VEs or coordinating VEC) who is responsible for supplying the evidence of holding valid expired license credit. Acceptable forms of proof can be found on the Exam Element Credit web page at <http://www.arrl.org/exam-element-credit>.

If sufficient proof is not presented, the candidate has the option of taking the Tech exam and earning just a new Tech license and then attending another exam session at a later date when they have the proper documentation. As always, the candidate will have to show a photo ID, present the proof, pay the \$15 exam session processing fee and fill out all forms to receive the paper upgrade. The upgrade is not automatic and may NOT be sent directly to the FCC or to the VEC by the candidate.



Expired licensees will not automatically get their old call sign back. FCC will issue a new sequentially issued call sign. If they desire to obtain their old call sign they may try to do so through the FCC vanity call sign program. However, someone else may have already obtained their old call sign as a vanity call sign and therefore it would not be available.

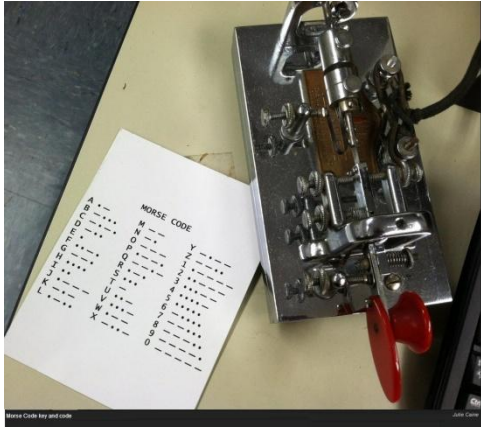
For your reference, here is an easy to follow Element Credit table to help you. Remember the burden of proof falls on the candidate, not the VE team or the VEC.

ELEMENT CREDIT TABLE			
License Class	Element Credit Given	Exam to Pass	License Earned
Expired Novice	none	Element 2	Technician
Current Novice	none	Element 2	Technician
Expired Technician issued 3/21/1987 or LATER	none	Element 2	Technician
Expired Technician issued BEFORE 3/21/1987	Element 3	Element 2	General
Current Technician issued 3/21/1987 or LATER	none	Element 3	General
Current Technician issued BEFORE 3/21/1987	Element 3	none	General
Current Technician with old expired General	Elements 2 and 3	none	General
Current Technician with old expired Advanced	Elements 2 and 3	none	General
Current Technician with old expired Extra	Elements 2, 3 and 4	none	Extra
Expired General	Element 3	Element 2	General
Current General	Elements 2 and 3	Element 4	Extra
Expired Advanced	Element 3	Element 2	General
Current Advanced	Elements 2 and 3	Element 4	Extra
Expired Extra	Elements 3 and 4	Element 2	Extra

ARRL VEC



An Ode to Morse Code



For nearly 100 years, Morse code was the official language of international communication for ships in distress. Then, at the end of the 20th century, it officially went silent on the world's oceans, replaced by more modern technologies.

On July 12, 1999 — the day Morse officially stopped being used on the seas — the Morse operators who had tapped out these signals gathered to say goodbye. Richard Dillman, Chief Operator of the Maritime Radio Historical Society, recalls that “those of us who were there found it to be a very emotional scene. Some very tough looking old buzzards,

radio pioneers, had tears in their eyes.”

There's one lonely spot in the Point Reyes National Seashore where dots and dashes still make the hearts of tough old buzzards go pitter pat. Down an unmarked, tree-lined lane in far West Marin, just beyond a field punctuated with antennas, the sounds of the past bubble up into the present.

“This is KPH San Francisco radio,” says Jack Martini. “It was alive! There was so much going on all of the time! It was a hum of a place; you walk in here it was humming. People were moving around copying code, screaming, all of that stuff which made it more than just a job. It was a way of life is exactly what it was for us. Absolutely loved it.”



Richard Dillman operating from KPH



Jack Martini at KPH Marine Radio

Martini is 75 years old. He was the last manager of KPH. “This station was originally founded in San Francisco at the Palace Hotel,” he says. “The initials PH are the Palace Hotel.”

In 1905, the station was set up as a way for merchants and ship owners to communicate with ships out at sea, and as a way for wealthy cruise ship passengers to check on their stocks and investments back home.

But the station was destroyed in the 1906 earthquake and fire. Eventually, in 1946, it relocated to this remote corner of Point Reyes — after stops in San Francisco, Daly City, and Tomales Bay. Except for a few years during WWII, KPH stayed on the air. It was a money-maker: sending messages cost 50 cents per word, which even now isn't cheap.

Martini started working at KPH in 1961. And he stayed until the very end. He was the one who closed the door and turned out the lights when the station went dark. “It was like a death in the family when they closed it,” he says. “It's still here though, isn't it?”

Bringing KPH to life

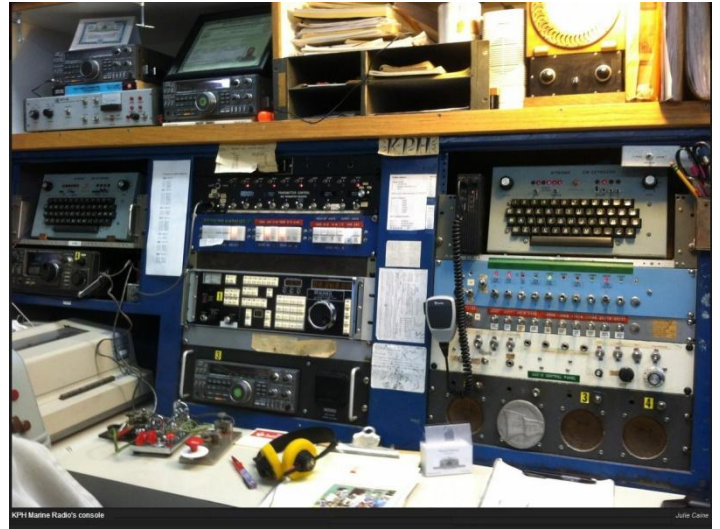
In a room filled with buttons and switches, dials and consoles, people are happily tapping away on gadgets called ‘bugs’ and ‘keys’. A manual typewriter sits at the ready, loaded with a fresh sheet of clean white paper.

A crowd of excited onlookers gathers around. Richard Dillman is getting ready to send a Morse code message out to ships, HAM radio operators, and other normally-defunct marine radio stations like KPH, all of whom have turned on their old sets and tuned in for a special broadcast.

“People around the world will be listening to us,” says Dillman. “Have been waiting for this all year. Tubes warming up, earphones going on, coffee getting hot, ready to hear these transmissions.”

It’s the Night of Nights: an annual celebration of the very last commercial radio message sent in Morse code.

Only a handful of people are still truly fluent in Morse code. Dave Wolf is one of them. Dillman describes him as an ace commercial operator from KPH’s sister station, WCC, on Cape Cod. “He was also a shipboard radio operator — the genuine article right here,” Dillman explains.



All eyes are on a big clock. Wolf and Dillman will start their transmission at precisely 5:01pm – the moment back in 1999 when Morse code use officially ended on the world’s oceans.



Finally it begins: a series of beeps. Wolf translates: “To all. Ships. And. Stations. Break. On. This. 14th. Anniversary. Night of Nights. The. Maritime. Radio. Historical. Society. Extends. Warm. Greetings. To. All. Listeners. Ashore. And. Afloat.” Beep beep beep.

This is only the beginning of what will be a long night. Dillman and his crew send and receive messages until midnight. And some of the time, they’ll just be listening. “The signal that we were hearing is on the most hallowed, may I say sacred, frequency of all time,” said Dillman. “It’s the frequency that the Titanic used to call for distress. It’s the frequency on which every SOS was sent forward: 500 kilocycles — just below the AM broadcast band.”

After the Titanic, they wanted people to hear lifeboats, which are always weak — just 10 watts. So they set up these two periods an hour. During those times, nobody says a word. All ships and stations stop talking and just ... listen. A weird static sound comes over the air. “That’s the sound of whatever crap is on there that isn’t being radiated by us, but by God himself in heaven,” says Wolf.



Julie Caine
Reporter/Producer
KALW Public Radio 91.7 FM - San Francisco
<http://kalw.org/post/ode-morse-code>

Editor’s Note - You can hear the extended report here: [http://cpa.ds.npr.org/kalw/audio/2014/08/WEB.morse .mp3](http://cpa.ds.npr.org/kalw/audio/2014/08/WEB.morse.mp3)



Cruise-In

We couldn't have had a better evening for the PCARS Cruise In. It turned out to be beautiful evening, not too hot and no rain. I have to admit, I was worried right up to that morning. The sign in sheet totaled up at 49, with a number of folks from other clubs showing up. It was great to see some new faces and some new mobiles this year.

Chris Monske, WF8U was voted won best install with his Volks Wagon Beetle. Our very own Bob Hewett, K8FEY won lowest operating frequency with his Top Band Mobile. Now I had no reason to disbelieve Bob, but I had to see that, so out came the MFJ analyzer 1.1-1 SWR. Well done Bob. Oldest vehicle with a permanent installation went to Mathew Nickoson, KC8NZJ with his 1930's coupe, sporting not one, but two radios. Each of these fellows has \$25 to spend at DX Engineering.



Best Installation



Oldest Mobile



Lowest Band (160M)



Thanks to everyone who showed up. You all put the BIG FUN in Amateur Radio!

73,
Erica, AE8YL



A good time was had by all that attended the annual PCARS Cruise-In

More pictures of the annual PCARS Cruise-In near the end of this newsletter

Let's Talk



Hi Gang, or should I say Hi Yawl.. I'm here in Myrtle Beach soaking in some sun and sand on a long overdue vacation. I love this area to visit. Yes, just visit, I'm an Ohio boy and that's all there is to it. Ohio is my home, but I love to visit where there's an ocean for a bit as well. Yup, there's a bit of sailor in me. Janie and I started coming here back in the mid 1980's and we just don't seem to ever get tire of coming back to visit. We have friends here as well. It's a very nice place to visit for sure. If you've never experienced it, I highly recommend coming down and seeing this area. The ocean right now is 86 degrees. And no, I haven't seen a shark either. We have collected a lot of neat looking sea shells however.

I was glad to see so many folks that made it to the Columbus Hamfest/ARRL Ohio Section Conference. It was great meeting all of you that attended! It ended up being rainy, but the weather inside was fantastic!

Congratulations to all of those Newsletter Award Winners. [Editor's Note: You'll find the winners listed in another section of this newsletter]. And, if you didn't hear, Frank Piper, KI8GW was the recipient of the Allan Severson Memorial Award. Jackie Piper also received the Section Manager's "Special Appreciation" award.

Make sure that you've signed up to receive emails from the Section Manager and Great Lakes Director. It seems that some of you may not be receiving the special news releases that Dale or I have been doing lately. 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 emailing's.

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://arrloho.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. I would recommend that you check into the website at least 3 times per week.

U.S. House Bill - HR 4969 has been introduced. This is the "Amateur Radio Parity Act of 2014" was introduced on June 25th at the request of the ARRL, which worked with House staffers to draft the proposed legislation. The bill's sponsor is Representative Adam Kinzinger (R-IL). It has initial co-sponsorship from Representative Joe Courtney (D-CT). If the measure passes the 113th Congress, it would require the FCC, within 120 days of the Bill's passage, to amend the Part 97 Amateur Service rules to apply PRB-1 coverage to include homeowners' association regulations and deed restrictions, often referred to as "covenants, conditions, and restrictions" (CC&Rs). Presently, PRB-1 only applies to state and local zoning laws and ordinances. If this Bill does pass, it will significantly change all CC&R's that restrict or prohibit Amateur Radio antenna's around the country. Now maybe it should be said that what this Bill will do is give the Amateur equal rights afforded us by PRB-1, that is to say "Reasonable Accommodations" would have to be granted the Amateur to be able to use his/her Amateur Radio station. This

ARRL Legislation

HR 4969

HR 4969 — the "Amateur Radio Parity Act of 2014" — has recently been introduced into the 113th Congress.

Support this effort: Contact your representative in Congress to ask for their support.

Get Behind HR 4969

► <http://www.arrl.org/hr-4969>

will not mean that if you live in a high rise condo that you can construct a large tower on the building, but what it will mean is that the HOA or governing body will have to give you some sort of “reasonable” accommodation to be able to use your amateur station and have an outdoor antenna.

The League has a special area within their site just for HR-4969, go take a look. <http://www.arrl.org/hr-4969>

Ohio's Speaker Bureau. I know that this has been said a million times before, but it's always worth repeating, don't forget to invite one of the Ohio Section Cabinet members to your next club meeting. The entire Cabinet is Ohio's Speaker's Bureau. We are all very well versed on League matters and a few of us have some additional specialties that go beyond just what the League is doing. If you'd like any of us to come and be a speaker at your function for FREE, please feel free to give any of us a call, we'll do our very best to be at your function.

That's going to do it this month from here. The sun is out and the beach is calling.. 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.

Have a question? Feel free to give me a call or write to me. Oh, by the way, I've come up with a new surprise for the mugs. You may just find an extra surprise inside the cup!!

My email and phone number are always listed on the Ohio Section Website <http://arrloho.org> as well as on page 16 of QST magazine.



Scott Yonally, N8SY
ARRL Ohio Section Manager



The Ohio Section Logo

The Ohio Section Logo has been out for more than a year now and with it now starting to appear on more and more items I think now is a good time to let you all know that it's more than just a logo, it has a lot of symbolism built into it. It's truly the heart and soul of the Ohio Section. Yes, Amateur Radio is rich in traditions and symbolizations that we're all very proud of. So, it shouldn't surprise you to find out that the Ohio Section Logo also has a lot of symbolism in it as well.

Here are the real reasons for our Ohio Section Logo. And yes, this comes from the person who created the logo, so you can be sure of the symbolisms described are the true reasons for the logo. I know, I created it.



* First off we need to look at how the League Diamond is placed “proud” of everything else. Did you notice, the stem of the leaf isn't touching the diamond? This stands for the American Radio Relay League as our stand alone national organization. Proud and true to form. The one and only national organization that represents ALL amateur radio operators.

- * The written “Ohio Section” just to the right of the League Diamond. It indicates that the Ohio Section is not only part of the League, but standing on the right side indicates that we are the “right hand” of the League. Ohio is proud to be not only a leader in the nation in new innovations, but we are also the largest of all the seventy-one Sections represented by the League.
- * The five Buckeye leaves. This represents the five Assistant Section Managers that represent the five quadrants of our state. North-east, north-west, south-east, south-west and central.
- * The green leaves represent the “green” polyester jacket that one of our most beloved Section Managers Joe Phillips, K8QOE always wore. He wore this jacket to every function that he attended. As Joe often reminded us, his jacket was like those of the “Masters” golf tournament. Only the best of the best ever got to wear this special jacket, and this represents the excellence in everything we do in Amateur Radio, and honors Joe for all of his hard work and dedication to not only Amateur Radio, but especially to the Ohio Section.
- * The Buckeye in the shell. This represents the newest Amateurs. Those who haven’t come out of their shells yet. If you notice, the shell is partially opened up. This signifies that the Buckeye has obtained his/her license, but just hasn’t come out of their shell yet.
- * The unshelled Buckeye. This represents the seasoned Amateur. Proud of his accomplishments and standing beside his newest candidate to be “Elmered.”
- * And finally the stem of the Buckeye leaf. It’s long and straight symbolizing the very long history that the Ohio Section has enjoyed within the ARRL, dating back to Howard Storck 8BYN our first Section Manager in 1926 to the present.

Now you know, and hopefully understand that our logo symbolizes a great heritage that we are charged with keeping and assuring that it will continue on, and be passed along to future generations to come.

Be proud to display and/or wear this logo. It’s truly Ohio’s Amateur Radio heritage!!



Scott Yonally, N8SY
ARRL Ohio Section Manager

Ohio State Parks On The Air



contest
September 6th



Antenna Repairs at the Club Site

As many of you already know, the antennas at the club site have conspired against us recently. These antennas have given us good service over the years, but it was time for a little maintenance. Most of the issues have simply been water ingress. The off center fed dipole developed a crack in the balun housing allowing it to fill with water. The 5-BTV vertical was nearly full of water. Both also showed signs of water in the feed line. I organized the repairs over several days with help from Tom WB8LCD, Ed K8IV, Mike KD8FLZ, Mike KB8TUY, and Rick K8CAV. Jim KC8PD arranged access to the roof of Family and Community Services where one end of the dipole is anchored. George K3GP took time out of a Saturday morning to get some needed supplies from DX Engineering.

The dipole was replaced with a brand new Alpha Delta DX-DD 40/80 meter single wire dipole. The 5-BTV has been replaced with a 6-BTV. Both antennas have new feedline down to the lightning arrestors.

All of this had to be finished up for the Ohio QSO Party. We worked down to the wire, but it paid off. I stopped in for a few hours Saturday night for the Ohio QSO Party and operated for a bit. I can say I am very pleased with their performance.

We still have to make repairs to the Tri-band beam. I am fairly certain all it needs is a fresh piece of coax, but we will give it a thorough inspection while we are at it. I'll write a follow up when it is repaired

Thanks again to everyone who helped out. It was hot, sweaty, and tiring work, but we will enjoy the benefits for years to come.



73,

Erica, AE8YL



Contest Update with PCARS

I want to let all PCARS members know that K8BF will be activated for two more contests in the very near future. The first will take place a week after OSPOTA. It is the **North American SSB Sprint**. It takes place on **September 13**, which is a Saturday evening. The time is **8PM to 12PM local** (0000-0400 UTC, Sept. 14). It is only open to the SSB Mode and only on 20, 40, and 80 meters. A sprint is a special type of contest where you can only stay on a frequency for a certain period of time and then you have to move at least 1 kc. We will be having a meeting on **Tuesday, Sept. 2 at 7PM** to review the rules. Anyone who wants to operate needs to be at that meeting. This event requires that we register with those sponsoring the contest and if we want to enter as a multi op club station, we will have to list those who will be operating, prior to the contest.

The second event will occur in October and is our third time participating in the **California QSO Party**. This event takes place from **1600 UTC Oct. 4 to 2200 UTC Oct. 5**. We have done well the past two times we have entered and I am hoping that we can better ourselves on this outing. We will also be having a meeting to review the rules once we are closer to the contest date.

I am strongly urging that if you want to take part in either event, that you attend the scheduled meetings. We will not only review the rules but we will also go over the logging programs so all are familiar with how they work and if there are any special things we need to keep in mind. Keep these dates in mind.

Chuck, W8PT

PCARS Picnic

The PCARS Picnic was held at the Ravenna VFW again this year, with one change, the picnic started at noon and ran for the rest of the afternoon. I'm guessing that next year we'll go back to the evening format. As always, the picnic was a good opportunity for PCARS members to include other family members in a social gathering. In addition to the meal, Amy, KD8SKL – provided door prizes for many in attendance. Thank you to Bob, N8QE, and Russ, NR8W for manning the grill and making sure everyone had enough hamburgers and hot dogs!



Russ NR8W

Honorable mention goes to Ray, WA4WGA, who challenged everyone to come back at midnight for another round.....

After the meal there was a “spud gun” antenna launching accuracy contest. Everyone who wanted the opportunity to shoot got a chance. The winner was Erica, AE8YL, with a shot within 12” of the target, which was approximately 75 feet away.



The Errol Fan Club was there, too!

I want to thank everyone who participated in the picnic and all of the other activities that PCARS sponsors. Being an active member is the best way to get to know all of your fellow club members and have fun with the Greatest Hobby in the World – Ham Radio!

73,

Tom, WB8LCD



Editor's note: Pictures from the annual PCARS picnic have all been posted on the PCARS web site. Look in the 'Club Activities' area.

Net Night at the Club Site



Net Night at the Club Site continues to be a well attended “social” event for PCARS. During the August Met Night we were visited by Chris, KD8QDZ who was in town from Connecticut for a wedding.



The contest for the evening was to bring in a homebuilt crystal set. Nothing shows off the “Magic” of radio than building one of these simple receivers, with only a couple of parts, no power, then listening to a local broadcast station! There were 3 sets brought in: Tom, WB8LCD - Dan, KD8EPA and Mike, KB8TUY. All three sets played

with no problem.



The winner was Mike, KB8TUY, whose set had a “real” crystal (the others had 1N914 diodes as the detector) and cat's whisker made from a safety pin!

Linux and Ham Radio

Want to try Linux and not install it on your hard drive to run Ham Radio related applications? Have an old PC (10 years or older (new PC's okay, too), CPU running at 1 GHz or higher, 1 GB RAM, a BIOS that permits booting to DVD or flash drive, and 10 GB of free space on your hard drive).

Andrew M Stewart, KB1OIQ, has an iso Live DVD with Ham Radio applications that you can run on your PC in the Live DVD version or install to the 10 GB partition you make on your hard drive. If you are squishy about installing to your hard drive I suggest running the Live DVD version, but note that applications will run slower from the Live DVD.



What is a Live DVD? The operating system and any applications you click on run totally in your PC's RAM. The hard drive is not touched. You can find this iso download at <http://sourceforge.net/projects/kb1oiq-andysham/files/>, KB1OIQ - Andy's Ham Radio Linux. Scroll down the page to read what is contained in the README file or download the GETTING STARTED and README files and read with Note Pad.

The Live DVD uses a remastered version of Ubuntu Linux 14.04 LTS for Amateur Radio users and a lot of amateur radio software including Fldigi, NBEMS, satellite tracking, earthtrack, cw, several logging applications, rig control, xnc2c, amateur antenna-analyzer, wx software, VOACAP, Xastir (linux version of APRS), wsjt, and a TinyTrak3 configuration program. A software download program (windows based) has 85 programs that can be installed, FREE!

Hey - want more info on Ham Radio and Linux? Stop in at the PCARS club site on the 5th Tuesday at 7pm and join us for Linux Night. Next Linux SIG is on October 31st (not all months have 5 Tuesdays).

73,
Terry, KB8AMZ



PCARS Member on Last Man Standing

Look close at this picture from the set of "Last Man Standing" and you will find the QSL card of PCARS member - Mark, K8MSH !!!!!



Paper Chase

I have been writing this article for more than nine years. It is rare that anyone even acknowledges they read the article. However, this month John, W8ZL, showed me a certificate that he received from K0WAR. The certificate was presented by the Wings Over the Rockies Air & Space Museum. It is one of the best certificates I have seen in a while and I am sharing it with all of you. For your information, John did not have to send anything to obtain the certificate. It was sent to everyone who worked K0WAR. Remember you have to get on the air and make contacts to receive anything like this. John, congratulations.



If you are willing to pay for a certificate, "**Route 66 On The Air**" will be active from the 6th through the 14th. I mention "pay" because the first year of the special event, a trial run for the 100th anniversary of Route 66, it was sponsored by the Northern Arizona DX Association and no monies were required to cover the expenses of the certificate or mailing costs. There was such a large response, if it had not been for donations from club members and sponsors, the club would have been bankrupt. Thankfully the event lives on!

The Route 66 On The Air Special Event participating stations are likely to be found somewhere in the vicinity of the following frequencies.

	80M	40M	30M	20M	17M	15M	12M	10M	6M
CW	3.533	7.033	10.110	14.033	18.080	21.033	24.900	28.033	50.033
SSB	3.866	7.266	N/A	14.266	18.164	21.366	24.966	28.466	50.166
DIG	3.580	7.070	10.140	14.070	18.100	21.070	24.920	28.120	N/A

This year the call signs will be W6A through W6U - Pontiac, Illinois is a new location.

If you desire a certificate, you must work at least ONE of the participating Route 66 On The Air stations in order to request it. Fill out the certificate application and mail it with \$4.00 to:

CBARC Route 66 Certificate - P.O. Box 3788 - San Bernardino, CA 92413

The certificate can be found at: <http://www.w6jbt.org/2013site/certificate-request-guidelines/>

Hope to hear you on the air and see you at the park!

Joe, W8KNO



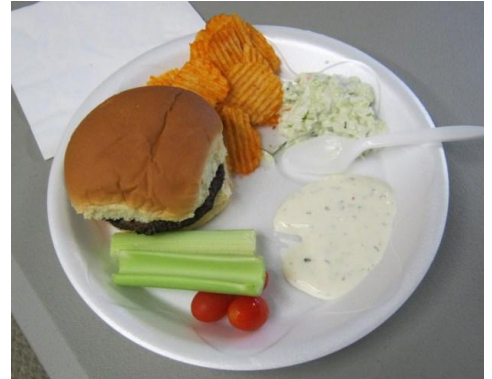
Ohio B-B-QSO Party

****If you went away hungry, it was your own fault****

Perfect weather, perfect location, great people.... and the sound of amateur radios on the air !!! Who could ask for more !



Team "Mike and Dave", culinary experts par excel-lance (really?) (not).... put the chuck wagon part of the Ohio "BB"-QSO Party in the log..... many burgers and dogs were cooked and served to the very hungry "radio ops gang". You just knew it was good stuff.... cuz no one was talking at the dinner table.... a sure sign the dogs and burgers hit the spot.



Thanks to those who brought goodies.... I saw Bob, N8QE sneak a very healthy veggie tray into the fridge (and a box of donuts) and Jim, KC8PD, arrived with buns and salads..... And I know Chuck, W8PT, brought some circular pastry items too.

And leftovers..... they were a-plenty as well. The late arrivals and the "re-snackers" (name for famished operators when contesting, and in between meals) were well fed. And, in the end, Terry's dog was the big winner of the left over hamburgers and hot dogs.



Thanks for the **K8-BigFun**.... 73,

*Dave, WB2DFC
Mike, KD8FLZ
Jim, KC8PD*

Ohio State Parks On The Air



**contest
September 6th**



DXpeditions Are On The Way

As Summer slowly leaves us and Fall approaches, the lower HF bands will start to get better. That's the best time to contact those DXpeditions and obtain more countries on more bands for your DXCC awards. From Club Log, here is the latest list of the 100 most wanted for DXCC. I wonder how many you already have confirmed? And, how many more you and I can get in the next few months?

Rank	Prefix	Entity Name
1.	KP1	NAVASSA ISLAND
2.	P5	DPRK (NORTH KOREA)
3.	3Y/B	BOUVET ISLAND
4.	VP8S	SOUTH SANDWICH ISLANDS
5.	FT5W	CROZET ISLAND
6.	VK0H	HEARD ISLAND
7.	KH5K	KINGMAN REEF
8.	FT/T	TROMELIN ISLAND
9.	FT/J	JUAN DE NOVA, EUROPA
10.	KH5	PALMYRA & JARVIS ISLANDS
11.	VP8G	SOUTH GEORGIA ISLAND
12.	KH1	BAKER HOWLAND ISLANDS
13.	BV9P	PRATAS ISLAND
14.	CE0X	SAN FELIX ISLANDS
15.	BS7H	SCARBOROUGH REEF
16.	KH3	JOHNSTON ISLAND
17.	E3	ERITREA
18.	KH7K	KURE ISLAND
19.	VK0M	MACQUARIE ISLAND
20.	FT5X	KERGUELEN ISLAND
21.	SV/A	MOUNT ATHOS
22.	FT5Z	AMSTERDAM & ST PAUL IS
23.	3Y/P	PETER 1 ISLAND
24.	FT/G	GLORIOSO ISLAND
25.	FK/C	CHESTERFIELD IS.
26.	ZS8	PRINCE EDWARD & MARION IS
27.	YV0	AVES ISLAND
28.	TI9	COCOS ISLAND
29.	T31	CENTRAL KIRIBATI
30.	JD/M	MINAMI TORISHIMA
31.	EZ	TURKMENISTAN
32.	PY0T	TRINDADE & MARTIM VAZ IS
33.	EP	IRAN
34.	KH4	MIDWAY ISLAND
35.	VK9M	MELLISH REEF
36.	VP8O	SOUTH ORKNEY ISLANDS
37.	VK9W	WILLIS ISLAND
38.	3C0	ANNOBON
39.	VU4	ANDAMAN & NICOBAR ISLANDS
40.	KH9	WAKE ISLAND
41.	ZD9	TRISTAN DA CUNHA & GOUGH IS
42.	PY0S	SAINT PETER AND PAUL ROCKS
43.	3C	EQUATORIAL GUINEA
44.	ZL9	AUCKLAND & CAMPBELL ISLAND
45.	YK	SYRIA
46.	H40	TEMOTU PROVINCE
47.	XZ	MYANMAR
48.	T33	BANABA ISLAND
49.	VP6/D	DUCIE ISLAND
50.	KP5	DESECHEO ISLAND

Rank	Prefix	Entity Name
51.	ZK3	TOKELAU ISLANDS
52.	4U1UN	UNITED NATIONS HQ
53.	CY0	SABLE ISLAND
54.	FW	WALLIS & FUTUNA ISLANDS
55.	C21	NAURU
56.	3B7	AGALEGA & ST BRANDON IS
57.	CE0Z	JUAN FERNANDEZ ISLANDS
58.	5A	LIBYA
59.	3D2/C	CONWAY REEF
60.	VK9L	LORD HOWE ISLAND
61.	4W	TIMOR-LESTE
62.	XF4	REVILLAGIGEDO
63.	ZL7	CHATHAM ISLAND
64.	XX9	MACAO
65.	VU7	LAKSHADWEEP ISLANDS
66.	VK9X	CHRISTMAS ISLAND
67.	TL	CENTRAL AFRICAN REPUBLIC
68.	S0	WESTERN SAHARA
69.	FO/M	MARQUESAS ISLANDS
70.	E5/N	NORTH COOK ISLANDS
71.	S2	BANGLADESH
72.	3D2/R	ROTUMA
73.	KH8	AMERICAN SAMOA
74.	VP6	PITCAIRN ISLAND
75.	KH8/S	SWAINS ISLAND
76.	ZL8	KERMADEC ISLAND
77.	CY9	SAINT PAUL ISLAND
78.	T2	TUVALU
79.	T30	WESTERN KIRIBATI
80.	AP	PAKISTAN
81.	T5	SOMALIA
82.	1S	SPRATLY ISLANDS
83.	Z8	REPUBLIC OF SOUTH SUDAN
84.	FO/C	CLIPPERTON ISLAND
85.	V6	MICRONESIA
86.	JX	JAN MAYEN
87.	9Q	DEM. REP. OF THE CONGO
88.	XW	LAOS
89.	ET	ETHIOPIA
90.	7O	YEMEN
91.	9N	NEPAL
92.	VK9N	NORFOLK ISLAND
93.	FO/A	AUSTRAL ISLANDS
94.	HK0/M	MALPELO ISLAND
95.	A5	BHUTAN
96.	YJ	VANUATU
97.	D6	COMOROS
98.	VK9C	COCOS (KEELING) ISLAND
99.	JD/O	OGASAWARA
100.	5U	NIGER



Ohio QSO Party

"A great time was had by all!" This is usually how the minutes of our family reunion read when reading them from the previous reunion. This was along with, "I'm glad to be here."

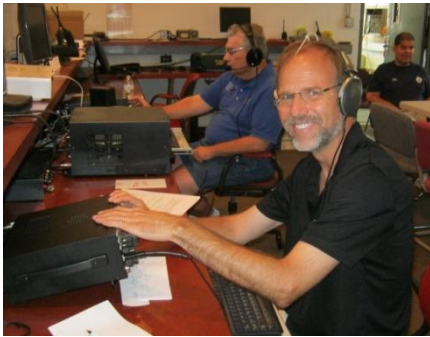


Well, I believe I speak for quite a few radio ops when I say that - A great time was had by all - in reporting on our recent foray into the Ohio QSO Party on Saturday, August 23rd.



I showed up at a little after 9AM with donuts and opened up the club site. I started to get things ready when Neil, N8IL came in with his Elecraft K3 that he graciously allowed to be used by the club for this event.

We ended up with two operating positions (K3 and IC-746) using the newly installed dipole and a 6BTV vertical. After a somewhat rocky start, things started to pick up.



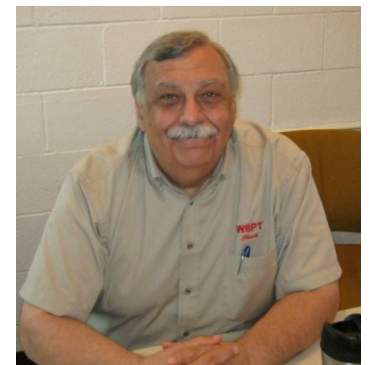
Meanwhile, Dave, WB2DFC and Mike, KD8FLZ, started to get the grill going for our BBQ. We ate well, with burgers, hotdogs, coleslaw, potato salad, and a variety of chips and beverages.



We ended up with 17 sign-ins with more than half of them taking turns getting K8BF on the air. We were there until after 10PM and really had **BIG FUN**.

I'd like to thank the following for their support, participation, and encouragement. WB2DFC, KD8FLZ, N8IL, WB8LCD, N8QE, WA8CCU, KC8PD, N8WLE, KB8UUZ, AC8PR, KB8TUY, KB8AMZ, KD8WZS, KA8TOA, AE8YL and K8IV. You may have said hello to me but if you were there and I missed listing you, it's because you failed to sign in. A special thank you to Parky for combining the logs and getting them set up and sending them in.

Oh ya - How did we do you might ask? Well, we operated both SSB and CW in the multi-op category. The score we are reporting is 44,014 points. That was with 39 CW contacts and 26 multipliers, SSB had 295 contacts with 92 multipliers. Operators were: KA8TOA 77, N8QE 72, AE8YL 54, N8IL 47, KB8AMZ 32, KB8UUZ 18, WB8LCD 12, N8WLE 10, WA8CCU 10 and KB8TUY 2. We will have to wait to see how that jives with the official scoring. Keep your fingers crossed.



Thanks again to all.

Chuck, W8PT



OSPOTA is Almost Here

Summer is going fast - August is here, September is just around the corner. The first Saturday after the Labor Day weekend is the **Ohio State Parks On The Air (OSPOTA)** contest. Hams from all over Ohio and beyond will be trying to make contacts with portable stations set up in the 74 beautiful Ohio State Parks. Why not join in on the fun? Go to an Ohio State Park and Get On The Air. Check out the details in the flier at the end of this newsletter. Also, visit the OSPOTA web site at: www.OSPOTA.org And, don't forget the OSPOTA Yahoo Group at: <http://groups.yahoo.com/group/OSPOTA/> That's **the** place to get all the latest information on who is planning on being at the various Ohio State Parks.



Saturday - September 6, 2014 the contest is on the air from Noon until 8 pm Eastern Time.

The RADIOGRAM Wins Again!



The award winning PCARS newsletter did it again! **The RADIOGRAM** took **Second Place** in the Newsletter competition for 2014. The award was presented by the ARRL Ohio Section PIC John, KD8IDJ to Tom, KB8UUZ at the ARRL Ohio Section Conference on August 2, 2014 in Columbus, Ohio.



First place Winner: The Mike & Key - David, K8SSN editor. Greater Cincinnati ARA - <http://www.themikeandkey.gcara.org/tmak.pdf>

Third Place Winners:

The QSO - Lynn, W8MLL editor. Marion Amateur Radio - Club. <http://longwire.com/uploads/marion/May-QSO-final.pdf>

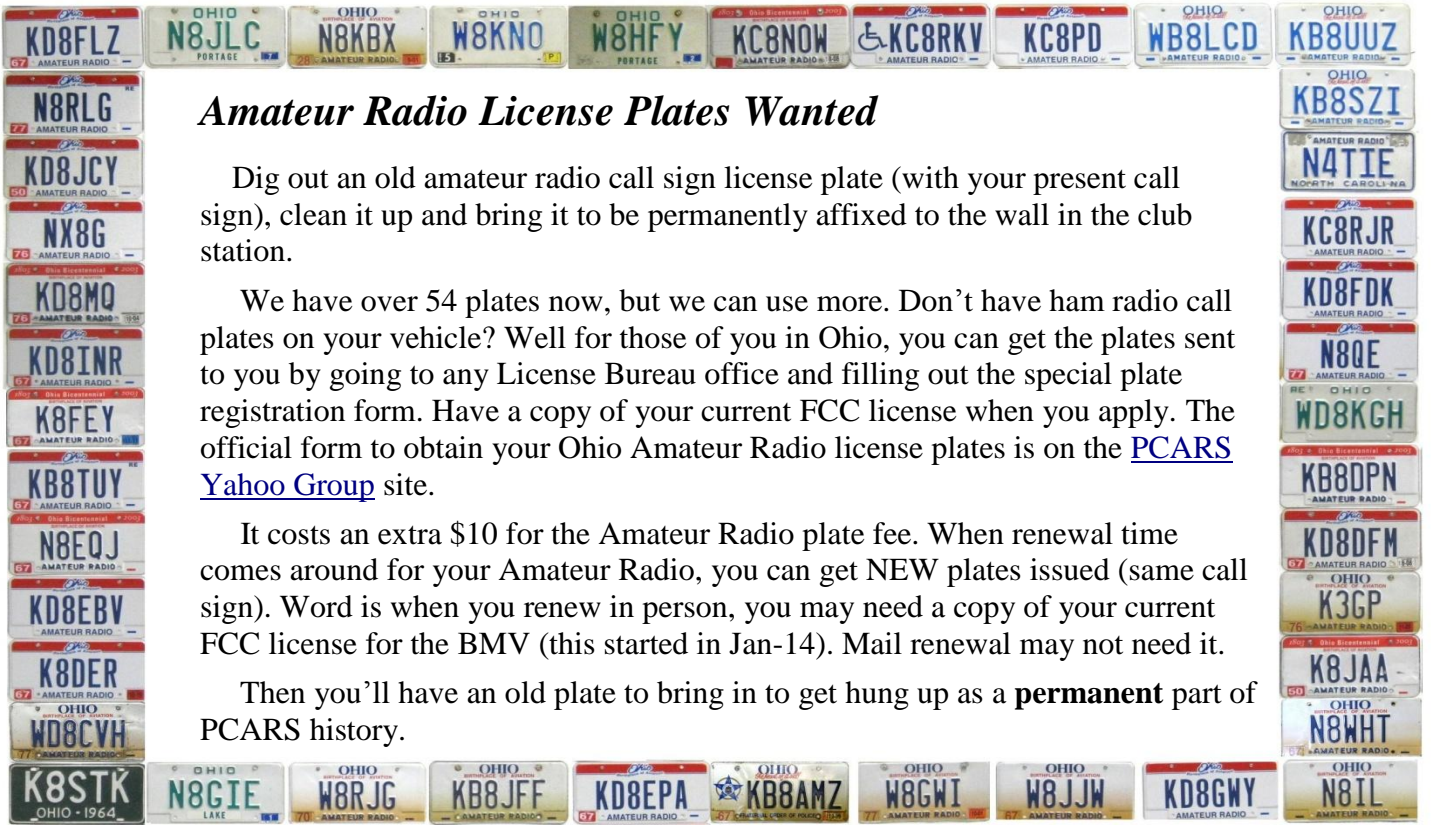
NODXA Rag - David, WD8IOU editor. Northern Ohio DX Association. - <http://www.papays.com/rag0614.pdf>

Honorable Mention: The Monday Morning Message - John, KD8MQ editor. Alliance ARC.

Honorable Mention: Monday Morning Memo - John, WA8KIW editor. Highland ARA.

Winner of the **Allan Severson Award** for outstanding service to the Ohio Section was Past ARRL Ohio Section Manager **Frank Piper, KI8GW**. Jackie Piper, KC8ESO was given the Ohio Section Manager's "Special Recognition Award" in recognition for her many years of patience and understanding and willingness to put up with all of us that demanded time from her family and allowing Frank to spend countless hours in service to the ARRL Ohio Section.





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

It costs an extra \$10 for the Amateur Radio plate fee. When renewal time comes around for your Amateur Radio, you can get NEW plates issued (same call sign). Word is when you renew in person, you may need a copy of your current FCC license for the BMV (this started in Jan-14). Mail renewal may not need it.

Then you'll have an old plate to bring in to get hung up as a **permanent** part of PCARS history.

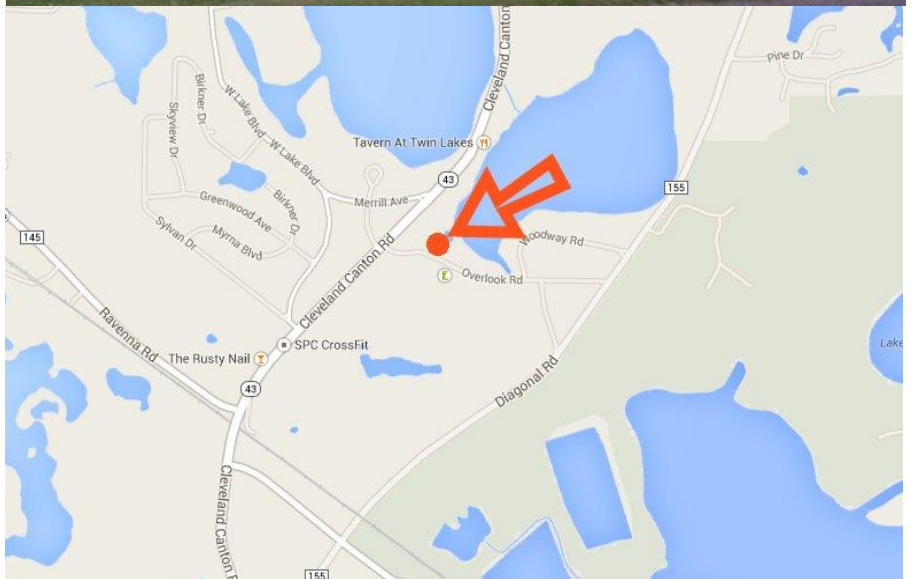
PCARS Meetings

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

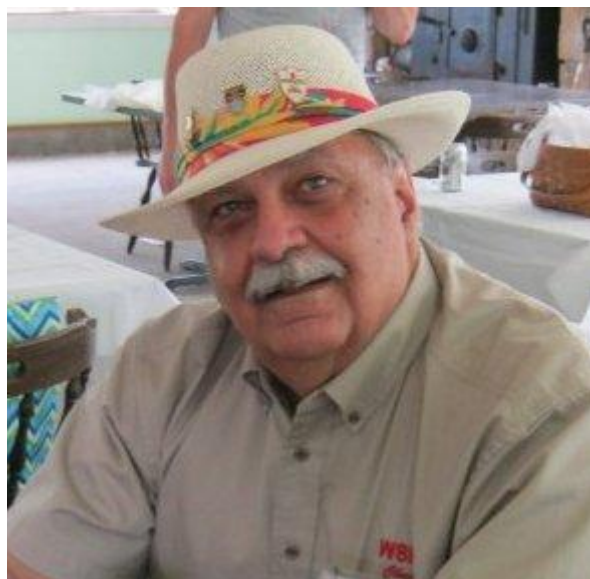


Charlie the Tuner's HF High-Lites

The leaves are starting to turn and the days are getting shorter – at least the daylight is getting shorter. This means that if you have any outside work to be done like antenna work or replacing coax, you better get on with it or you will certainly run out of decent weather.

DX has been somewhat sparse since only the normal DX from Europe has been evident on the bands. And the bands have not been all that great. 20 meters has been it's old self with a few openings but the other bands have been somewhat stingy. You almost have to catch the few sporadic openings by accident. If you have worked something interesting, let me know.

I've received a few cards in the past weeks from DX entities that I've been waiting for. And I finally have a DXCC certificate on my wall. I put off sending in the required info for some time but finally got it all together and Joe, W8KNO, did a good job checking the cards so that I could do everything on line. It took quite a few weeks once I sent in the info but it finally came through. I'm now up to 238 confirmed. I know that some of you have well over 300 confirmed. I'm getting there slow but sure.



In the meantime, let's take a look at what's coming up in the next few months.

And here is my standard thank yous. I want to thank 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.

And 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).

2014 N7QT DXPEDITIONS (Update). Rob, N7QT, who was active as HK0/N7QT in April, has updated his coming activities for this year and next on QRZ.com which include the following locations: September 18th-October 2nd -- Christmas Island, Australia (VK9X); activity on 80-10m using CW, SSB and the Digital modes. October 3-13th -- Austral Islands; call sign TX5D; holiday style DXpedition; primary focus on 80/40m using CW and SSB; see OPDX.1125 January 2015 -- Montserrat (VP2M); 80-10m using CW, SSB and the Digital modes. QSL via his home call sign, direct (SASE, IRC OR 2 USDs), LoTW, eQSL or by the Bureau.

3W, VIETNAM. Bruce, 3W3B (HS0ZCY/XU7ADF/XW1B/AA4XR), who lives in Da Nang, will be active during the CQWW DX RTTY Contest (September 27-28th) as a Single-Op/High-Power entry. QSL via E21EIC or LoTW.

4W, TIMOR-LESTE. Bob, 5B4AGN/G3ZEM, will be active as 4W/G3ZEM from a water's edge location on the north shores of Timor Leste between October 8-20th. Activity will be all bands, 160-10 meters using primarily CW. There will be a focus towards the LF if conditions are favorable. His equipment will be a K3 with a KPA500 into a HF9V for HF and an 18m Spider pole supported vertical on 160/80m. QSL via M0URX; OQRS preferred.

6W, SENEGAL. Sigi, DL7DF, will be on holiday with his XYL Sabine in Senegal between November 1-13th. He will operate as DL7DF/6W on all bands from 160-10 meters using CW, SBB, RTTY, PSK31 and SSTV as often as possible. The location is Somone at the coastline of Senegal near Dakar. He states, "But please do not forget. This time I'm on vacation with a little bit Ham Radio." QSL via DL7DF, direct or by the DARC Bureau. For more info and updates, see: <http://www.dl7df.com/6w/index.html>

9N, NEPAL. Joël, F3CJ, is planning a Mountain Manaslu trek in Nepal between September 23rd and November 5th. He will operate from the following areas: Sept 24-Oct 6 -- Kathmandu; Radio activity Oct 7-23 -- Ascension Manaslu (8164 meters); Mountain activity Oct 24-Nov 4 -- Kathmandu; Radio activity. His call sign is pending, and he has requested 9N7CJ. QSL via F3CJ. For more details and updates, visit his blog at: <http://f3cjnepal.wordpress.com>

9X, RWANDA. Gordon, K7TRB, will be active as 9X0VA until October 2014. Bands and modes of activity were not provided, but he will use a Yaesu 757GX into a wire antenna. QSL via his home call sign.

A2, BOTSWANA. Gerard (Gert), ZS6AYU, will once again be active as A25GF between September 1-3rd. Activity will be "6 meters only" this time from WW Loc. KH22od beaming North. He hopes to be on the air between 1300z until around 1900z on 50.097 MHz CW. QSL via ZS6AYU, direct or by the Bureau.

A5, BHUTAN. Pekka, OH2YY (A52YY), reports to OPDX [edited]: "I will be returning to Bhutan late September this year. I have applied for the same call sign, A52YY, that I used last year. I will arrive in Paro late afternoon on Sept. 26th, and will depart on the morning of Oct. 2nd. I will be staying close to city of Paro. This time I have nothing else to do and I can focus 100% on operating amateur radio! The QTH will be up on a hill facing to north giving a good take off to North America, most of South America, northern Asia, Middle-East and whole Europe should be good. I will have a K3 + KPA500, a 2-el tribander, 7m telescope mast and dipoles for 24, 18 and 7 MHz and two 10-12m fiberglass poles. I will have everyday 28, 21 and 14 MHz available and at least one (hopefully two) of the dipoles. I will be operating SSB. I try to start on Sept. 26th with one of the dipoles. From 27th onwards I will have the yagi up. Looking for nice pile-ups and hope to be able to give out a new one or at least a new band to many of you. QSL checking will be here (QRZ.com) and on LoTW. QSL cards directly to my home address or via SRAL QSL Bureau."

CY0, SABLE ISLAND (Press Releases/Updates). [edited] Here is the latest updates on the CY0C DXpedition scheduled for Sept 8th: Aug 16th -"The CY0C DXpedition team has been informed by Parks Canada and Maritime Air Charter that flights to Sable Island have not been possible the last few weeks due to the beach conditions on the island. The weather on Sable has been extremely dry and the sand "runway" on the island is too soft and loose to attempt landings. Even when landings were possible, the aircraft had to be lightly loaded. Parks Canada, Maritime Air and the CY0C team will continue to assess the weather and landing conditions on the island leading up to September 8th. Meanwhile, preparations continue on schedule. N0TG and WA4DAN have shipped gear and antennas to fellow team member VE1RGB in Halifax, Nova Scotia. The CY0C team will issue frequent updates leading up to September 8th." August 23rd - "One-Day DXpedition to Sable Island, CY0C, scheduled for Monday, September 8, 2014 -- A team consisting of VE1RGB, WA4DAN, and N0TG, each of whom have previously operated from Sable Island, plan to depart from Halifax, Nova Scotia, weather permitting, around 1115Z on Monday, September 8. Departure from Sable Island is planned for 2245Z, which should allow for approximately 8 hours of operating time. The special call sign, CY0C, has been issued for this operation. At the moment, the policy of Parks Canada is that '... visits to Sable Island shall be restricted to daylight hours only...' One of the objectives of the CY0C DXpedition is to assess the feasibility and practicality for future one-day amateur radio DXpeditions to Sable Island.. For this operation, N0TG will primarily operate CW on 17 and 30 meters while WA4DAN will operate SSB on 20 meters. VE1RGB will take the lead in assessing the operations and determine technical methods and operational techniques to improve efficiencies. A detailed 'feasibility assessment' with recommendations that, hopefully, could encourage future groups to consider one-day DXpeditions, will be shared with the DX community. Any last minute changes in schedule, due to weather conditions, beach conditions, etc. will be posted to the team website at <www.cy0dxpedition.com>, as well as to the various DX bulletins."

D4, CAPE VERDE. Fran, EA7FTR, will be active as D44KS from Boa Vista between September 5th and October 10th. Activity will be limited to his spare time (job commitments) on 40-6 meters using SSB and RTTY. QSL via EB7DX.



E6, NIUE. Maurice, ZL2MF (aka G3ZXD), will be active as E6MF from Niue between September 2-9th. Activity will be on 40/20/15/10/6 meters, but mainly on 20 and 6 meters SSB. Look for him in the All Asian DX SSB Contest (September 6-7th). QSL via ZL2MF, direct or by the Bureau.

FS, ST. MARTIN. John, K9EL, will once again be active as FS/K9EL from St. Martin (NA-105, DIFO FS-001, WLOTA 0383, WW Loc. FK88) between November 20th and December 2nd. Activity will be on 160-6 meters. He will be running 500 watts into a 3 element yagi on 6m, dipoles for 10-30m and a vertical for 40-80-160m. John will operate on 60m if there is interest. This will be a holiday trip with only a minimal effort for the CQWW DX CW Contest. Usually there are daily uploads to ClubLog and LoTW. QSL via his home call sign. John states, "This year I am planning a Twitter experiment and will tweet my operating frequency/mode at the beginning of my daily activity and also each time when I change bands, change modes, QRT for meals, beach, etc. Those interested in following my operating activities during my trip, can follow me at <<https://twitter.com/FSK9EL>>."

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.

PJ6, SABA. Mike, G4IUF (ISWL Member), will once again be active as PJ6/G4IUF from Isle House, Windwardside, Saba Island (NA-145, WFF PAFF-027, WLOTA 2043) between Sept 29 and Nov 2. Activity will be holiday style on 80-6 meters using CW, SSB and RTTY. QSL via his home call sign, direct or E-mail for Bureau request (see QRZ.com).

T8 PALAU (Update). Joe, OZ0J/5Q2T, will be active from Palau Rental Shack on Koror Island (OC-009) <<http://palau.rental-shack.com/english>> between Sept 2-9. Currently, his T8 call sign is pending. Activity on all possible bands between 80-6 m using CW, SSB & Digital modes (RTTY or PSK). All QSOs will be uploaded to ClubLog <www.clublog.org> once a day depending on the Internet connection. He requests to please use the OQRS on Clublog.org. QSL via OZ0J, direct or by the Bureau. For more details and updates: <http://www.oz0j.dk>

T30, WESTERN KIRIBATI Reminder. A experienced German team is pleased to announce another DXpedition to the Pacific Ocean to Southern Tarawa Atoll, Western Kiribati. Their call sign will be T30D, and they will be active between October 2-15th. Operators mentioned are Uwe/DJ9HX, Rudolf/DK3CG, Sid/DM2AYO, Dietmar/DL2HWA, Georg/DL4SVA, Bert/DL2RNS, Heiko/DL1RTL, Juergen/DF7TT, Olaf/DL7JOM, Guenter/DL2AWG, Hans/DL6JGN and Rolf/DL7VEE. Activity will be on 160-6 meters using CW, SSB and RTTY, with at least four simultaneous stations with 500 watts amps around the clock. Suggested frequencies are: CW - 1814.5, 3526, 7026, 10119, 14026, 18086, 21026, 24906 and 28026 kHz - SSB - 1849, 3805, 7095, 7182, 14210, 18120, 21255, 24955 and 28455 kHz - RTTY - 3595, 7046, 10137, 14090, 18099, 21090, 24918 and 28090 kHz - 6m - 50120/CW and 50120/SSB QSL Manager is DL4SVA. QSL via OQRS (see Web page), direct, by the Bureau and logs will be uploaded to LoTW at a later date. A Web page will is now available at: <http://t30d.mydx.de>

T31, CENTRAL KIRIBATI (Update). It was announced a few weeks ago that members of the 2013 Nov XR0ZR Juan Fernandez Island DXpedition were planning an operation to Kanton Island sometime in November 2014. The call sign will be T31R. More information is forthcoming. A new Web page will be activated soon at: <http://t31r.dxfamily.com>

ZL7, CHATHAM ISLAND. A Japanese team of operators calling their operation "BBQ DXpedition for the Chathams" will be active as ZL7X from Awarakaw Farmstay in Waitangi, Chatham Island, between September 11-16th. Operators mentioned are Kaz/JH1HRJ/ZL3JP, Tack/9M2/JE1SCJ, Tatsu/JH1TXG and Kazu/JA0VSH. Activity will be on 160-6 meters using CW, SSB, JT65 and RTTY. Suggested frequencies are: CW - 1826, 3524, 7024, 14024, 18074, 21024, 24904 and 28024 kHz. SSB - TBD, 3790, 7124/7174, 14224, 18144, 21240, 24604 and 28424 kHz. RTTY - 3528, 7033, 14088, 18102, 21088, 24922 and 28122 kHz. JT65 - 7076, 14076, 18102, 21076, 24922 and 28076 kHz. 6m - 50104/CW, 50124/SSB and 50098/RTTY. QSL preferably via LoTW, direct to JH1TXG or JA0VSH, and by the Bureau (QSL manager will be announce later). ClubLog and eQSL will be available.

IOTA NEWS.....



AS-200. Kenji, JA4GXS, will be active as JA4GXS/5 from **Shodo Island** (Kagawa Prefecture) between September 13-15th. Activity will be on 40-17 meters using CW and SSB. QSL via JA4GXS, direct or by the Bureau.

EU-109. Operators Nobby/G0VJG, Dave/EI9FBB, Richard/G7GLW and Charles/ M0OXO will be active possibly as M0UKI/p from **Farne Islands** between September 6-7th. From the M0OXO Web page: "This short operation may also include participation in the SSB Field Day contest. The team is aiming for Longstone Island, dependent on weather, (keep an eye on QRZ.com links for updates). They will be using multi-band Dipoles & vertical antennas and hope to give this IOTA to as many chasers as possible in the short time frame." QSL via M0OXO, by the OQRS for direct and Bureau. Bureau cards **MUST** be requested via OQRS only. Do not send via the RSGB Bureau, they may not receive them.

EU-110. Members of the Verona DX Team Group will be active as 9A/IQ3VO from **Porer Rock** (IOCA CI-090, MIA MC-313) between September 18-21st. Operators mentioned are Walter/I3VJW, Ampelio/IK3JBP, Mauro/IK3SCB, Flavio/I3JRF, Marco/IW3ICK, Roberto/IZ3JKI, Cale/ IW3ILP and Luca/IU3BXI. Activity will be on 80-10 meters using CW, SSB, RTTY, JT65A and PSK31, with two stations on the air. They also plan to be active with one station on 6 meters (WW Loc. JN64WS) using CW, SSB, MS, JT65A and EME. For EME and MS operations, skeds can be made through the ON4KST's Chat Web site. This operation will also count for the Porer Lighthouse (CLHA CLH-111, ARLHS CRO-014, WLOTA 0240). QSL via IQ3VO, the ARI Bureau is preferred. For more information and updates, see: http://www.ari.verona.it/forumnew/topic.asp?TOPIC_ID=3569



EU-171. A group of German operators will be active as 5Q7Y from **Jegindø Island** between Aug 30 and Sept 6. Ops mentioned are Heinz/DC5WW, Max/DF2MX, Robert/DK2RO, Anton/DL8AW and Thilo/ DL9NBJ. Activity on 160-6 meters. QSL via DL8AW. For OQRS requests, pictures and more info, visit the Web site at: <http://www.5Q7Y.de>

EU-174. Laci, HA0HW, will once again be active from **Thassos Island** (GIOTA NAS-037, MIA MG-124, WLOTA LH-4186, QRA KN20HS), as SW8WW (ex-J48HW) between September 12-22nd. He will operate mainly CW, with some SSB and RTTY, on the HF bands (usually on 80/40/30/20/17/12/10 meters) and on 6 meters. His rigs are usually a FT-840 with a MOS-FET amplifier (300-400 watts) and an IC-706 (for 6m only). Antennas are a monoband Gps and dipoles on fishing poles. QSL via his home callsign, direct, by the HA Bureau, or by the OQRS via ClubLog is 'OK' as well.

EU-191. (NEW) Members of the Romanian Radio Club Association (ARR) will activate **Fericirii Island** for the first time as YPOF between Aug 22 and Sept 30. The group's plan is to have several expeditions to this non-inhabited island of cormorants, black pelicans, scrapping gullping, egrets and gray herons. Ops mentioned are Dan/YO9FNP, Daniel/YO3GA and Petrica/YO9RIJ. Activity will be on the HF bands (which the IOTA frequencies). QSL via YO9FNP.

NA-046. Bill, K2HVN, will be on **Martha's Vineyard** on September 20th, for one day. He will also be on Nantucket Island September 21st for one day. He states, "I will have 20m CW/SSB, 30m, 40m CW/SSB, and 17m ONLY SSB. I will try to be on 14040,10115 and 7035 kHz CW and 14260, 7055, and 18128 kHz SSB." QSL via his home call sign.

NA-122. Member of the Hotel India DX Club will be active as HI2DX from **Saona Island** between Nov 19-23 (tentative dates). Ops mentioned are Joe/HI3A (Team Leader), Tino/HI3CC (Co-Leader), Ez/HI3EPR, Edwin/HI3K, Jose/HI3LCG, Franky/HI3TT, Miguel/HI7MC, Rafael/HI8A, Sergio/HI8AR, Joe/HI8C, Alfredo/HI8CR, Elio/HI8EFS, Julio/HI8JQE, Juan/HI8JSG, Rafael/HI8KW, Rig/HI8RD, Daniel/K1TO, Dave/K3LP, Paul/K9PG, Ray/N9JA and Danny/W4UH. Activity on 160-6 m using CW, SSB & Digital modes. They will have 10 stations on the air using dipoles, verticals and other various antennas. QSL Manager is Tim, M0URX, for direct requests and Bureau QSLs. A OQRS is available. For more details and updates, watch the following URL links: <http://www.facebook.com/hi2dx> <https://twitter.com/#HI2DX> <http://qrz.com/db/hi2dx> * <http://saonadxpedition2014.com> (* Not working as of press time.....)

OC-218. (Update/Change) Operators Cezar/VE3LYC and Bob/KD1CT will attempt to operate from **Matthew Island** for 4 days between September 1-9th. They will maintain one station on the air around the clock, operating on all bands from 40-10 meters using CW and SSB. QSL via VE3LYC, direct or by the Bureau. A OQRS will be available from ClubLog. For more details and updates, see: <http://tx4a.yolasite.com>

OC-222. Operators Imam/YB4IR and Din/YB8RW will be active as YB4IR/8 and YB8RW/P, respectively, from **Obi Island** between September 7-13th. Activity will be on the HF bands using CW and SSB. QSL YB4IR/8 via LoTW or the OQRS. QSL YB8RW/p via YB9BU.

OC-294. (Update/Dates) Operators Cezar/VE3LYC, Craig/VK5CE, Johan/PA3EXX and Bob/KD1CT will attempt to operate from **Sandy Islet** between September 15-19th as VK6ISL. They plan to have two stations on around-the-clock,

using CW and SSB, on 40-10 meters. For one of the two stations, the Team will employ a solid state 400 watts amp, whereas the second station will use 100 watts. They will bring vertical antennas for 15m, 20m, and a multi-band antenna. The Pilot Station will be Bob, WB2YQH. Their Web page states, "Sandy Islet represents the last IOTA group of Australia still waiting to be brought on the air for the first time! After multiple rounds of communication during the last almost three years, we are extremely pleased to report that the Department of Parks and Wildlife of Western Australia have agreed to approve a landing and operating permit for the Team. This permit is valid until September 30th, before the start of the Giant Green Turtles hatching season." QSL via VE3LYC (see Web page), direct or by the Bureau. An OQRS will be available at ClubLog. For more details and updates, watch: <http://vk6isl.weebly.com>

RI1, ANTARCTICA. Ops Oleg/ZS1ANF, Slava/RD3MX, Alex/UA1PAW will be active as RI1ANR from Novo Runway Airbase (Blue Ice Runway) Nov 2014 and Mar 2015. Activity on 160-10 m CW and SSB. QSL via RK1PWA.

S7, SEYCHELLES. Kasimir, DL2SBY, will be active as S79KB from two islands in the **Seychelles** between October 4-18th. He is scheduled to activate **Mahe** (October 4-9th) and **Praslin** (October 9-18th). Both islands are IOTA AF-024. Activity will be on 20-10 meters including 17/12 meters and possibly 30 meters using CW, SSB and RTTY. His equipment will be a FT900AT with an ACOM 1010 amp (600w) into a triple-leg antenna for 20-10m. He will upload the log onto ClubLog. The QSL cards will be printed as soon as possible. QSL via DL2SBY, by the Bureau, direct and as well as through PayPal requests.



TX5, CHESTERFIELD ISLANDS (And Other New Caledonia IOTAs). The "Les Nouvelles DX" is reporting that Michel "Mic" FK8IK, will be sailing with some non-radio amateur friends between November 1-30th. They plan to set sail on November 1st from **Noumea**, New Caledonia, and head towards the DXCC entity **Chesterfield Islands** (OC-176) first. Their voyage will take some 100 hours (about 4 days) and expect to arrive at Chesterfield on November 5th. Look for Mic to use the call sign TX5C which is a reissued call sign that was used during the last Clipperton DXpedition (March 2008) -- this will probably confuse some logging programs. They will depart from Chesterfield on November 10th, and sail next toward the New Caledonian's D'entrecasteaux Reefs (OC-058). This trip will take 80 hours to reach the reef on November 14th, and Mic will be active as TX5E until he departs on November 18th for **Belep Islands** (OC-079). This will be his last island, and Mic will operate as TX5B starting about November 21st for three days before heading back to **Noumea** on November 24th. The return trip is expected to take 4 days (November 28th). Between each leg of the trip, Mic will use the call sign FK8IK/MM. Operations from each island will be on 40-10 meters using 100 watts into a vertical antenna (homemade) and an antenna tuner. Modes will be CW and SSB. **ADDED NOTES AND REMINDERS.** Mic will be the sole operator, so please have a little patience. Also, the TX5C operation will only count for the Chesterfield Islands (FK/C), and the TX5B & TX5E will only count for New Caledonia for DXCC purposes.

V4, ST. KITTS AND NEVIS. Dave, WJ2O, and his XYL Chris will be on holiday from the Caribbean during the American Thanksgiving holiday. Basseterre which is on the Island of **St. Kitts** (V4). They have rented a villa on the side of a mountain south of the Capital City of Basseterre where he plans to set up his radio and be active as V4/WJ2O. Activity will between Nov 26 and Dec 2. Operations will include the CQWW DX CW Contest (Nov 29-30) as a Single-Op/All-Band/Lower-Power entry. QSL via N2ZN. For more info, see: <http://www.WJ2O.com>

VQ9, CHAGOS ISLANDS (Reminder). By the time you read this, Bob, N7XR, should be active as VQ9XR from **Diego Garcia** (AF-006) for the next 3 weeks as of Aug 25. This op will be followed up by a 1 week trip in Oct or Nov. Activity on CW and RTTY (some SSB) during these trips. Operations will be on 160-10 meters using an IC7600 with an amp into a SteppIR-BigIR, Spiderbeam and dipoles for 80/160m. No 6 meters this trip (no antenna). QSL via NN1N, direct only (No Bureau or LoTW). Look for possible updates on: <http://www.wake-diego2014.org>

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.

VU4, ANDAMAN AND NICOBAR ISLANDS. Krish, W4VKU, will be leading a team of 10 operators to the **Andaman Islands** (AS-001) and **Nicobar Islands** (AS-033) in the month of Nov. The callsign for both activations will be VU4KV. Initially, a short duration of activity will be carried out from Campbell Bay in the Great Nicobar by few of the team members. This will be followed by a larger activation from **Neil Island** in the Andamans for at least 10 days. The exact dates will be published once the logistics are in place. Ops mentioned are Krish/W4VKU (VU2VKU),

Prasad/VU2PTT, Pai/VU2PAI, Nandu/VU2NKS, Kumar/VU2BGS, Chetan/VU3DMP, Deepak/VU2CDP, Sangeeth/A45WH (VU2WH), Kiran/VU3KPL and Aravind/VU2ABS. The plans and schedule are as follows:

* **Campbell Bay, Great Nicobar Island** - Operation between Nov 3-13, and is dependent on boat schedules published only a week ahead of departure. The team will be Krish/W4VKU (VU2VKU), Pai/VU2PAI, and Chetz/VU3DMP. Activity will be focused on limited bands for CW/SSB with QRO and gain antennas. They will have two stations on the air.* **Neil Island, Andaman** -- This will be a bigger operation with 5 QRO stations and 10 operators possibly between November 15-30th. The five stations (4x HF, 1x 6m) will be made-up of Elecraft K3, Kenwood TS-590 and Kenwood TS-480, with 3x Elecraft KPA-500 and 2x Acom 1000 amps. Antennas: Phased Vertical arrays for 160/80/40/30m + separate RX antennas, Mix of directional antennas and verticals for 20-10m and a 5 element Yagi for 6m.

XX9, MACAO. Andrea "Andy", IK7YTT, will be active as XX9TYT from **Coloane Island** (AS-075) between September 4-8th. Activity will be on 40-10 meters using SSB. Operations will include the All Asian DX SSB Contest (September 6-7th). Before the contest he will try to focus on 40m. Rig is a Ten Tec Omni VII using an Acom 1000 amp into Ultrabeam for 40-6m. QSL via IZ8CCW.

ZD9, TRISTAN DA CUNHA. Pierre, ZS1HF (ex-ZS8M), who is currently on **Gough Island** (AF-030) and active as ZD9M, will be joined by another operator, Julian who recently got his ZS3JG license from South Africa. He has asked for the call sign ZD9JG. Both operators will be there until October.

ZD9, TRISTAN DA CUNHA & GOUGH ISLANDS. Paul, ZS1S (ZD9ZS), and possibly another operator will be visiting Tristan da Cunha in September/October (the ZD9 callsigns will be announced in due course). Operators will be traveling to and from Cape Town on the South African Antarctic supply ship, the "SA Agulhas II". The ship is scheduled to depart on September 4th, arrive at Tristan da Cunha four to five days later depending on the weather and sea conditions. It will depart for Gough Island after a few days and return to Tristan da Cunha ready for the scheduled departure on October 4th. The duration of the return trip to Cape Town will again be four or five days. There may be an opportunity to operate as /MM. A six meter propagation beacon, ZD9SIX, will be installed during the time on the island. The complete details will be made known in the next two weeks.

Well, that's it for the next few months. Get on the air and work some DX.

So until next month - 73 and **GUD DX!!**

Chuck, W8PT
aka 'Charlie the Tuner'



E-Mail Update - PLEASE

Seems that a number of people have been hit with e-mail virus stuff. Some got it fixed, some said the heck with it and they got a new e-mail address or e-mail account. If you're part of that group, PLEASE send you current e-mail address into the PCARS Secretary - Amy, KD8SKL (KD8SKL@portcars.org) so she can get your up-to-date e-mail address on file. Nothing worse than sending out club e-mails and later we hear "*Well, I didn't get it.....*"



For example - if you did NOT get this newsletter by e-mail and you had to get it from the PCARS web site, chances are your e-mail address needs an update in the PCARS files.



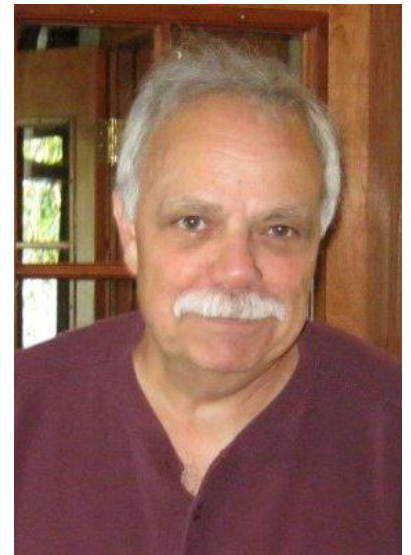
Ham Radio High Altitude Balloon Launch

During the month of September, PCARS will attempt to launch its first High Altitude Balloon carrying an Amateur Radio Payload. The balloon could reach an altitude of 80,000 feet or more if conditions are right (and we have a bit of added luck!). At some altitude the balloon will burst and the instruments will gently parachute back to earth and hopefully be recovered. The payload will include a low power cross band repeater (70cm uplink with 2m downlink); a GPS receiver with an APRS transmitter; antenna systems; two cameras: visual and audio systems to assist locating the instrument package on the ground. During the approximately 1.5 hour flight hams within a 400 mile radius should be able to work K8BF balloon net control and earn a QSL card if they are in our log. Hams anywhere will be able to track the flight on the APRS network.



The planned launch date for the flight will be September 14 with launch at ~10 am. if the weather cooperates; if not we will try again in October! Real time flight updates will be available on Facebook; Twitter, and the PCARS website.

All instruments and flight systems were designed, built, modified, modified and/or assembled by a great team of PCARS members working together as a subgroup of our Antenna Special Interest Group. Three teams of club volunteers will be involved with flight operations: the launch team; the chase/recovery team and the communications team (balloon net control). Those teams are partially staffed and we will be looking for volunteers to help with specific tasks. Announcements will be going out during the first week of September asking for volunteers. You can come out to help with or see if you can work the balloon as it travels to near-space and back!



Tony, WA8AR

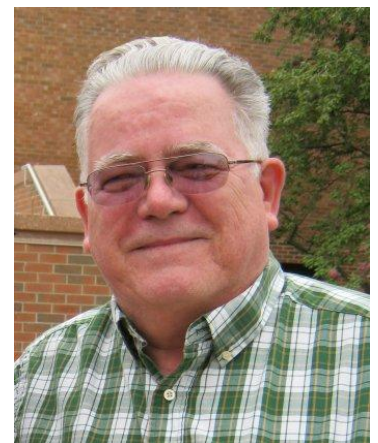
Thanks & 73

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.

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

WB8LCD, KC8PD, KB8UUZ, N8RLG, K8CAV, KB8AMZ, K3LR, AE8YL, N8SY, W8PT, W8KNO, WB2DFC, KD8FLZ, WA8AR, Julie Caine - KALW, Club Log, ARRL VEC, the ARRL & the World-Wide Web.

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



Tom "Parky", KB8UUZ
PCARS Newsletter Editor



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**Working on
the
K8IV
Repeater
System**



The Portage County Amateur Radio Service, Inc. (PCARS) announces the 7th annual

Ohio State Parks On The Air



Ohio State Parks On The Air contest

Saturday, September 6, 2014, from 1600 UTC to 2400 UTC

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

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



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

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

Be sure to check the OSPOTA Yahoo Group for up-to-date info:

<http://groups.yahoo.com/group/OSPOTA/>

[How many times can you spot the



in this newsletter?]

*Join Us - We're on our way to one of the 74
Beautiful Ohio State Parks.*



*We're going to set up a portable station for the
Ohio State Parks On The Air*



*contest
September 6th*



- Amateur Radio Instruction Class -

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

will be offering an Amateur Radio **Technician** course

that will enable *you* to obtain
your **FCC Technician** license as an

AMATEUR RADIO OPERATOR



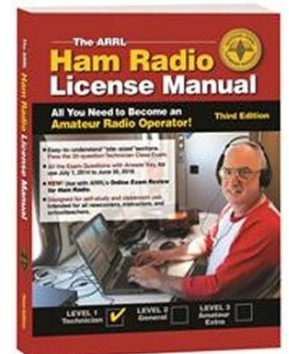
When: Tuesday evening 7:00 p.m. – 9:00 p.m.
September 23, 2014 through November 11, 2014
Official Amateur Radio License testing will be held
at the end of the course

Where: At the **PCARS Club Site**
Radio Room located in the
Dietrich Building
705 Oakwood St. in Ravenna

Registration: First night of class

Cost: **\$25.00 Registration fee - which also provides**
the attendee a One-Year Membership in PCARS
(No Registration Fee for PCARS Members)
\$30 Text – “Ham Radio License Manual”
(text may be purchased first night of class)

Information: Contact: **Tom Sly, WB8LCD**
e-mail at: WB8LCD@portcars.org
phone at: **330-554-4650**



As a licensed **Amateur Radio Operator** you will be able to

- **Contact other ham radio operators in the area and around the world**
- **Serve your community – ham radio operators are the critical communication link during disasters and emergencies**
- **Participate in a fascinating and rewarding hobby**

For more information about PCARS, go to www.portcars.org , or contact

Tom Sly - WB8LCD, at WB8LCD@portcars.org or by phone at **330-554-4650**



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

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 Coordinators	W8KNO W8PT	Joe Wehner Chuck Patellis
EchoLink	K8SRR	Steve Randlett
Field Day Chairman	KD8VT	James Andrews
Field Day Co-Chairman	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
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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

 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	



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. If you use material in this newsletter, all we ask is that you give credit to PCARS along with the author of the article.** The RADIOGRAM comes out the first day of each month (usually), please have inputs submitted by 8 pm ET on the last Friday of each month. ARES® (Amateur Radio Emergency Service®) is a program of, and both logos are registered trademarks (used with permission) of the American Radio Relay League, Inc. ARRL, the National Association for Amateur Radio™. **Why the Black Squirrel in our logo?** For those of you not familiar with it: The Black Squirrel is 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.

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



THE RADIOGRAM