



~ 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



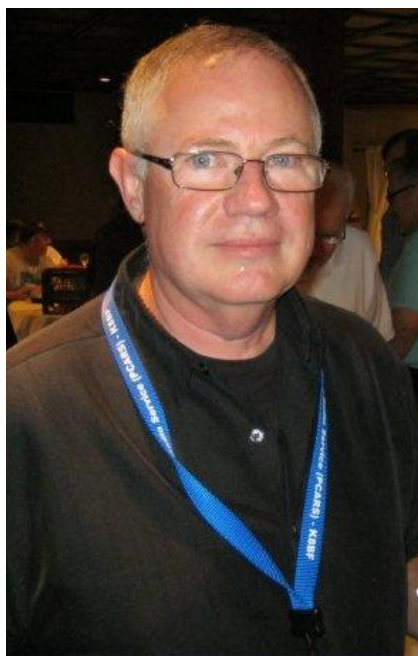
ARRL Affiliated
April 20, 2006



**Special Services
Club**
March 22, 2010

From the President

My time is quickly running down as president of PCARS. I'm not going to disappear, but, I'm certainly going to accept and enjoy my less demanding position of "member" from here on out. Some of you may have noticed that when PCARS is doing something, I'm usually there. That probably won't change a whole lot, but as the President, "being there" has given me a lot of insight into the club's activities and opportunity to get to know many of you in a less crowded environment. PCARS has a lot of really interesting members! Being President for the past 6 out of 9 years has been one of the best experiences I've ever had. Thank you all, for giving me an experience I'll never forget.



Our November meeting is probably one of the most important meetings we have as a club. Election of Officers. I hope you will be there to keep PCARS moving forward. Our slate of officer's is nominated from the floor, so there is no one I can point to and say he will probably be your next president. It's all up to you, at the November meeting. If things don't turn out the way you'd like them to, but you weren't there to cast your vote, please don't complain about it later.

November is also the month that we support the Center of Hope. We will accept your direct donations and/or your participation in the 50/50 drawing for the evening. I know there will be some really nice door prizes, not a dog in the bunch. We need to keep our donation level rising, which means we need to pass the \$2500 we raised last year. Even if you can't make it to the meeting, please send in a small (or large) donation to the Center of Hope, to be counted as part of the PCARS effort to support this worthy cause.

Our November meeting will also host special guest speaker E Mike McCardle, KC8YLD. E Mike is VP for Educational Relations at AMSAT NA. Come hear about what AMSAT has done, and what AMSAT is doing. Certainly you will learn enough to be able to answer anyone who accuses you of belonging to some kind of an outdated hobby. I think you will be pleasantly surprised.

Contest season is upon us. Remember, if you participate in any of the contests, be sure to indicate your affiliation with PCARS. (Talk to Chuck, W8PT to make sure you put the right info in your

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From the President (continued from Page 1)

electronic log) Contesting can be a lot of fun, or it can be very frustrating. But, it will tell you how well your system is working into different areas of the world. You'll learn a lot about propagation. If you listen, you'll be able to pick up some good operating habits, as well as see the results of bad operating habits. Try something different, maybe QRP or CW. Sweepstakes is always one of my favorites. "Put your butt in the chair, and get on the air."

73,

Tom, WB8LCD
PCARS President



From the Vice President

PCARS has a number of noteworthy traditions (e.g., a great Field Day, FYAO, OSPOTA, just to name a few), but none is more noteworthy than PCARS members' generous support of the Center of Hope at the November PCARS meeting.

PCARS members have become familiar with the Center of Hope as the site for a variety of our club activities. Those have included club meetings, workshops, classes, and the bimonthly VE sessions. The Center has graciously opened its doors at no cost to PCARS for all of these events.

The Center of Hope was founded over fifteen years ago by the late Sister Jordan as a program of Family & Community Services, Inc. It provides hot meals and distributes food and home products to thousands of our

county's less fortunate residents every year. F&CS is also the owner of the building that houses the PCARS club station and has made that space available to us at essentially no cost.

As the Fall ends and Winter approaches, the staff of the Center of Hope face the enormous task of trying to help brighten the Thanksgiving and Christmas holidays for the Center's clients. You can imagine how distressful it could be to not be able to provide a holiday meal for your family.

This is PCARS opportunity to once again return the favor to the Center. Let's assist the Center of Hope in meeting its goal of helping as many families as possible at Thanksgiving and Christmas. We are asking that all PCARS members who attend the November meeting make a donation to the Center of Hope. Donations are tax deductible because the Center is part of a 501(c)(3) organization.

In addition, for the ninth year in a row the proceeds from the 50/50 raffle at the November meeting will be donated by PCARS to the Center of Hope. This is going to be a terrific 50/50 with what are probably the best package of prizes that have ever been donated for the raffle.

You do not want to miss this event!

Let's show how generous the spirit of amateur radio operators can be by offering our support to an organization that helps so many families in our community. Last year we raised over \$2,500 for the Center. Let's try to exceed that this year.

73,



Jim, KC8PD
PCARS Vice President



Mark Your Calendars

On the calendar for upcoming meetings and activities are:

- **November 10th - PCARS meeting - ELECTIONS** - 7 pm - Mike, KC8YLD - AMSAT & Satellites
- **November 14th - PCARS 9th Birthday**
- **December 8th - PCARS meeting** - 7 pm
- **February 14th - Freeze Your Acorns Off** - 10th annual FYAO

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





Happy Birthday PCARS Members

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

| | | |
|---------------|---------|-----------|
| N8ATV | Jerry | Jarze |
| KD8SSU | William | Smith |
| KD8ERY | Susan | Larrick |
| K3GP | George | Proudfoot |
| WA8CCU | Al | Nagy |
| KB3OQV | Kristen | Andrews |
| KD8GGZ | Mary Jo | Loveland |
| AC8PR | Keith | Johnson |
| KD8RHW | Edwin | Elias |
| KB8UUZ | Tom | Parkinson |

| | | |
|---------------|---------|-----------|
| W8RID | Bob | Davet |
| KD8UXJ | Eric | Shane |
| K8FEY | Bob | Hewett |
| KC8SYD | Ted | Kost |
| N8WLE | Nick | Rothermel |
| WD8PME | Robert | Posar |
| K8STK | Tom | Creech |
| KD8SJB | Richard | Kurta |
| AF1K | Rich | Kuster |
| K8BF | | PCARS |



PCARS VE Test Sessions

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

December 6th

2015 - February 7th , April 4th , June 6th , August 1st , October 3rd , December 5th

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 Group

Members are reminded that PCARS has a Yahoo Group dedicated to PCARS information. It's a great site to sign up for and get on the mailing list. Check out the PCARS Yahoo Group at:

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



Contest Calendar

| November 2014 | |
|----------------------------------|--------------------------------|
| ARRL Sweepstakes Contest, CW | 2100Z, Nov 1 to 0300Z, Nov 3 |
| WAE DX Contest, RTTY | 0000Z, Nov 8 to 2359Z, Nov 9 |
| 10-10 Int. Fall Contest, Digital | 0001Z, Nov 8 to 2359Z, Nov 9 |
| Kentucky QSO Party | 1400Z, Nov 8 to 0200Z, Nov 9 |
| ARRL Sweepstakes Contest, SSB | 2100Z, Nov 15 to 0300Z, Nov 17 |
| EPC PSK63 QSO Party | 0000Z-2400Z, Nov 16 |
| CQ Worldwide DX Contest, CW | 0000Z, Nov 29 to 2400Z, Nov 30 |

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



2014 California QSO Party

On October 4th & 5th, nine PCARS members took part in the 2014 California QSO Party. This was a 30 hour event and we stuck it out for 28 hours. Yours truly showed up at 8:30AM on the 4th and locked up at 4PM on the 5th. Terry, KB8AMZ and I stayed the night and worked a brief late (or early morning, depending on how you want to categorize it) opening on 40 meters.



Other ops, who manned the three operating positions in no particular order were: Mike, KB8TUY; Joe, W8KNO; Bob, N8QE; Erica, AE8YL; Greg, KA8TOA and Jack, N8BI. We also could not have done this without the fine work of Zeb, KD8WZS, setting up the logging program on our computers.

Propagation was fair to good with openings on all the usable bands from 10 thru 80. However, 80 meters was the least usable.

We used the 4 el yagi, newly renovated by Erica and her group of antenna minions, and my hat's off to this group since the yagi worked just fine.

We ran it through the triplexer so that all positions could take advantage of the directional antenna on 20, 15, and 10 meters. Later we would change off to use the dipole and the vertical to see if we could optimize our QSO rates and score by including 40 and 80 meters in our



mix. 40 meters seemed to add quite a bit to our total not to mention decent conditions on 10 meters.

The log has been uploaded and we reported the following:

Worked Multi-Multi, Low Power

Total QSOs = **484**

Multipliers = **58 (Clean Sweep** of all CA counties)

Total Submitted Points = **61,306**



However, I must also report that in the past two years that we have participated, our error rate has been less than stellar. In 2012 we reported 431 Qs, 54 mults for a total of 50,166 points. Our corrected score was 404 Qs for 46,672 points. This was good enough to give K8BF a second place in the USA and a first in Ohio. Last year we reported 292 Qs, 52 mults for a score of 31,252. Our corrected score was 263 Qs and 51 mults for a score of 27,081 points. Even though we did not do as well scoring as we did in 2012, K8BF ended up with a Number 1 in both the USA and Ohio in the Multi-Multi, Low Power category.

So I am hoping for a good final score again this year. We had many more competitors in our chosen category of Multi-Multi. But hopefully, not many in the Low Power subcategory. Here's keeping our collective fingers crossed for another first-first finish.

No matter what, we had a great time and I want to give a hearty thank-you to all those who participated this year. And to those who still have not worked this contest with us, there is always next year!!

73,

Chuck, W8PT
Contest Coordinator



ARRL November Sweepstakes: Another Chance at a "Clean Sweep" is Coming Up!

In a few short days, operators across all 83 ARRL and Radio Amateurs of Canada (RAC) sections (<http://www.arrl.org/section-abbreviations>) will take to the airwaves to compete in the first of two ARRL November Sweepstakes (<http://www.arrl.org/sweepstakes>) events. Always a fall favorite "Sweeps" is the longest-running "domestic" contest. The **CW event is November 1-3**, while the **SSB event is November 15-17**. The action on both weekends gets underway at 2100 UTC Saturday and runs through 0259 UTC Monday (Sunday evening in continental US time zones).

As veteran Sweeps hands already know, the exchange for this operating event is a bit more involved than it is for most other contests. Strange terms such as "precedence" and "check" - while very familiar to old timers and traffic operators - may seem confusing at first to newcomers. The exchange goes like this: Call sign of the station worked, consecutive serial number (NR) starting with 001, precedence (PREC) - a letter that indicates your operating category; see the rules), your call sign, check (CK) - the last two numerals of the year you were first licensed, and the two-letter or three-letter abbreviation of your ARRL or RAC section (SEC).



In your log, for example, if WW1ME works W1MSW, the log entry might look like this:

W1MSW 015 A WW1ME 65 ME.

All popular logging programs include a template for ARRL November Sweepstakes. Be sure to use the latest version of your logger.

It may seem difficult and complicated at first, but once you get into the swing of Sweeps, it will start coming naturally. That's also where it starts being fun.

The 2014 ARRL November Sweepstakes Operating Guide contains a collection of Sweepstakes information and links to help both newbies and old timers to understand the rules, operating techniques, and log-submission guidelines. (<http://www.arrl.org/files/file/Contest20Guides/2014/201420November20Package.pdf>)

The holy grail of Sweepstakes is to earn a “**Clean Sweep**” by working at least one station in all 83 sections. Attain this elite level and you qualify to purchase a highly desired Clean Sweep mug for your accomplishment! Also, the Sweepstakes certificate of every op making a Sweep will include a “Clean Sweep” sticker. Making at least 100 QSOs, qualifies the operator for a Participation Pin. Section and Division recognition awards for each operating category also are available. Details are on the ARRL November Sweepstakes web page. Be sure to read the rules (<http://www.arrl.org/contest-rules>) for all ARRL contests too.

Logs are due 15 days after the event is over. CW Sweepstakes submissions must be received by 0300 UTC Tuesday, November 18, 2014. SSB logs are due by 0300 UTC on Tuesday, December 2, 2014. ARRL still accepts paper logs, but electronic Cabrillo logs are submitted via e-mail for CW use: sscw@arrl.org for your SSB entry use: ssphone@arrl.org. Send paper logs to ARRL November Sweepstakes, 225 Main St, Newington, CT 06111. Those logging on paper also may want to consider WA7BNM's online Cabrillo converter (<http://www.b4h.net/cabforms/>), which lets the operator manually enter the logging data to create a Cabrillo file. Submitting logs electronically enhances the quality of the log-checking process and permits more rapid publication of results.

ICOM is the Principal Awards Sponsor for ARRL November Sweepstakes events. For more information about ARRL November Sweepstakes, contact ARRL Contest Branch Manager Matt Wilhelm, W1MSW (w1msw@arrl.org).

From the ARRL

The poster features a dark background with a large, stylized yellow brushstroke graphic on the right side. The brushstroke is shaped like a paintbrush and is positioned diagonally. The text is primarily in yellow and white. At the top left, 'RadioSport' is written in a large, bold, white font. Below it, '2014 ARRL November Sweepstakes' is written in a bold, yellow font. To the right of this text is a small logo for ICOM, with the text 'PRINCIPAL AWARDS SPONSOR' next to it. Below the ICOM logo, the text 'When: CW—Nov 1-3' and 'Phone—Nov 15-17' is written in yellow. Below that, 'Who: Radio amateurs in the US and Canada' is written in yellow. Further down, 'You can claim a Clean Sweep when you log radio contacts with all 83 North American sections!' is written in white. At the bottom, 'Enter Portage County Amateur Radio Service as your club name' is written in white, with a small yellow triangle to the left of the word 'Enter'. The large yellow brushstroke on the right has the words 'NOVEMBER SWEEPSTAKES' written in a circular path around it, and a small ARRL logo is visible within the brushstroke.



EmComm

Just a couple of quick emcomm updates this month.

First, on October 27th-28th, Army MARS in conjunction with both Air Force and Navy/Marine Corps MARS conducted a joint nationwide exercise premised on a loss of internet communications as well as electrical grid power. Its major objectives were to test the interoperability of the different MARS services, as well as Department of Homeland Security SHARES stations, and their ability to exchange messages in proper formats.



Another objective was to “demonstrate the ability to exchange information with amateur radio stations.” This is the one that has particular interest for us because it represents an important step by MARS to ensure that its stations (virtually all of whom are licensed amateur radio operators) and the amateur radio emcomm community maintain a relationship with each other and demonstrate the capability to exchange information and message traffic.

This is what will happen in a large scale real-time event so it is good to the MARS services working at developing a working relationship with ham radio resources. If there is any report from the Ohio Section ARES or the Section Traffic Net’s involvement in this exercise, we will pass it along.

Locally, the EMA’s Communications Unit/RACES®, with leadership by Deputy Radio Officer Steve, K8SRR, continues to work to develop its capability to use HSMM/mesh network (aka, broadband communications.) You can learn more about this topic at <http://www.broadband-hamnet.org/>. You can also learn more about it by attending the next PCARS Digital Special Interest Group meeting on Tuesday, November 4th, at 7:00 p.m. at the club site.

Broadband-Hamnet™
HSMM-MESH™

Rick, K8CAV, the Digital SIG Facilitator, and Steve, K8SRR, will be conducting a workshop on the setup and deployment of mesh network stations as well as the practical uses of mesh networking. All PCARS members are invited to attend.

This is a really interesting subject and a great example of the amateur radio tradition of repurposing commercial communications equipment for amateur radio communications. Low cost and high tech all at the same time!

Hope to see you there.

73,

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



Center of Hope – Holiday Donation



PCARS members have become familiar with the Center of Hope, a program of Family & Community Services, Inc. It provides hot meals and distributes food and home products to thousands of our county's less fortunate residents every year. F&CS is also the owner of the building that the houses the PCARS club station.

As the Fall ends and Winter approaches, the staff of the Center of Hope face the enormous task of trying to help brighten the

Thanksgiving and Christmas holidays for the Center's clients. You can imagine how distressful it could be to not be able to provide a holiday meal for your family.

This is PCARS opportunity to return the favor to the Center. Let's assist the Center of Hope in meeting its goal of helping as many families as possible at Thanksgiving and Christmas. We are asking that all PCARS members who attend the November meeting make a donation of food or, even better, a financial contribution to the Center of Hope.

Donations are tax deductible because the Center is part of a 501(c)(3) organization. Checks can be made payable to "The Center of Hope", or cash will be happily accepted.



In addition, the club proceeds from the 50/50 raffle at the November 10th meeting will be donated by PCARS to the Center of Hope.

Let's show how generous the spirit of amateur radio operators can be by offering our support to an organization that helps so many families in our community. Any items or funds donated at a meeting will be delivered to the Center of Hope.

Tom, WB8LCD



PCARS

ARRL Volunteer Examiners:
serving the Amateur Radio community

First Saturdays 10:00 am
at the club site in Ravenna

February, April, June, August,
October, December



Tenth Annual W4DXCC Conference

On Friday, September 26, my wife, Jeanne, and I drive from our QTH in Parkman to the Mainstay Suites and Conference Center in Pigeon Forge, TN to attend the 10th W4DXCC Conference hosted by the South Eastern DX and Contesting Organization (SEDCO) and held at the conference center.



First of all the WX was very accommodating and the drive to Tennessee was very enjoyable. The WX while we were there also cooperated nicely.



**Chuck, W8PT with Bob Heil, K9EID
with the new Pro 7 Heil Headsets**

The whole idea for W4DXCC and a few other regional conferences (W9DXCC, W0DXCC and Visalia, CA) is to have smaller gatherings than Dayton or Hamcation, so that there could be a more intimate grouping of DXers that can sit down with one another and have some in-depth discussions about DXing and contesting.

For those of you who have attended either the DX Awards dinner or the Contest Dinner at Dayton, imagine being able to spend the weekend with only those 300 or so individuals and those who are giving presentations. That is what these conferences are like. You also get the benefit of a lot of the main manufacturing reps where again, you can spend time discussing their products without have 1000 people behind you in line.

The conference itself took place the next day, starting at 10 am and going through the day, ending with a banquet that evening.

We were treated to several presentations on various DXpeditions and other topics regarding DXing and contesting.

The first presentation was by Dave Anderson, K4SV on Navassa Island DXpeditions past, present and future. A DXpedition is in the works and hopes to be QRV in January 2015. The discussion covered what has happened in the past and how the island is being administered presently, which has made it somewhat difficult to get permission to get on the island.

Next, Ned Swartz, K1GU, discussed getting the club he belongs to, up and running the W1AW/4 TN. He told us about all that they had to go through to be able to be on the air and host W1AW from Tennessee. You can't believe what all is entailed for groups doing this.

Then Ann Santos, WA1S, told us what it was like to be the first ever and only female included on a DXpedition to Banaba Island -



**Chuck, W8PT with Mike, K7IR
from SteppIR**

IT33A in 2013. This YL is a true contester and was in the thick of things along with all the rest on that DXpedition.

N2TU, Lou Dietrich, gave a very moving presentation on the K9W Commemorative DXpedition to Wake Island in 2013. It commemorated "The Forgotten 98". The Forgotten 98 are 98 contractors working for the US on Wake that were captured by the Japanese during WW 2 and subsequently executed and dumped in a mass grave on one of the beaches. What was sadly ironic is that the Japanese did this because they thought they were going to be invaded by a U.S. force as a U.S. Navy fleet passed the island. The fleet did not stop because their mission was elsewhere. All the contractors worked for the same U.S. company – Morrison-Knudsen.



Bob Heil, K9EID and Ann Santos WA1S

We also had presentations on: Contesting and the latest technology by Ward Silver, N0AX; the VU7AG DXpedition; the CWOPS and CW Academy that helps train HAMS in CW; the C82DX DXpedition; a recap of the 2014 WRTC; and last but certainly not least, a presentation by Bob Allphin, K4UEE, on the recent DXpedition to FT5ZM Amsterdam & St. Paul Islands.

As mentioned before, there were many vendors present including ICOM, Yaesu, Vibroplex, TenTec, SteppIR, Heil Sound, ARRL and many others.

I enjoyed this conference so much that I plan to return again next year and renew some acquaintances I made while attending. Being able to sit down with some of the best DXers and contesters and discuss how they go about doing what they do, gives you a real insight into the DX and contesting world. So, Lord willing and the creek don't rise, I will return.

The drive is not hard and you can stretch this into a long weekend as we did and get a lot of sightseeing done --- or shopping at various craft and outlet shops as Jeanne did. Oh well, it's just money!

73,
Chuck, W8PT



PCARS is on YouTube

That's right - PCARS is now on YouTube. So, what does that mean? Hey, we have a new place to put all kinds of videos that are about PCARS for the world to see.

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



Hamfest Calendar

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



Balloon Launch Delayed Until Spring

While we did finally solve our H2 gas acquisition problem, however, The FAA Columbus district failed to do their jobs so we will not be getting a permit to launch from them. With the fall weather becoming less and less stable there is no sense trying again until Spring (as we speculated at our meeting Tuesday). We did discover that the Oberlin FAA district is much easier and more dependable to work with. So I will be looking for a new launch site in their district.

Since we have the time, we will continue to tweak our instrument package to give us the best chance of a very successful first flight. And, to that end Jim (AC8NT) will be scheduling a practice launch very soon.

Thanks to all for their help, and stayed tuned for future Balloon Launch News.



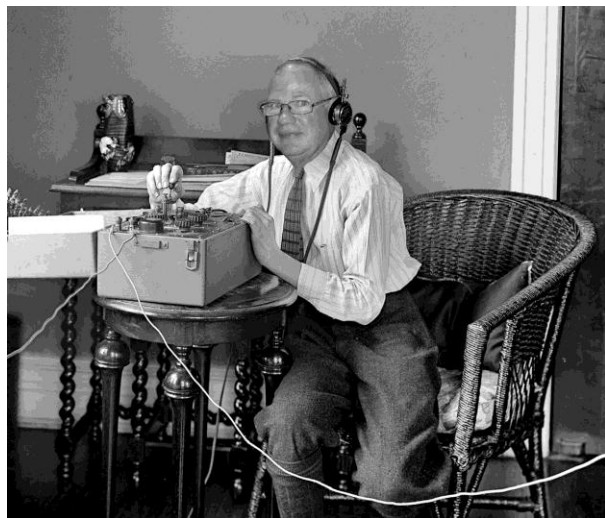
73,

Tony, WA8AR



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 !!



| 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!



October Net Night at the Club Site

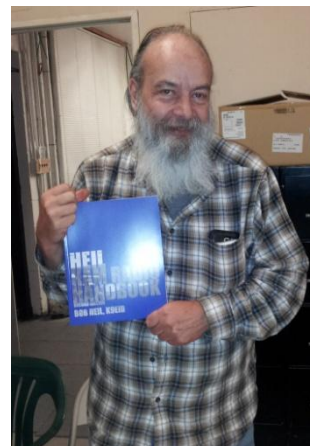
If you missed the October Net Night, you missed a pretty good time! Everyone had a chance to check into both the ARES[®] net and then the PCARS net. We had plenty of snacks, including fresh popped pop corn (thanks Mike).



We all had a chance to check out KC8PD's donation to the radio room – a Yaesu FT-920. So now we have three full operating stations for PCARS contesting, or just casual QSO's.

Finally, there was another edition of the Net Night Ham Radio Trivia Quiz. This month's winner was Keith, AC8PR, whose prize was a copy of the *Heil Ham Radio Handbook*. Congratulations Keith.

Don't forget, with the holiday's coming up, Net Night at the Club Site has been rescheduled to the **THIRD Thursday in November and December**. Hope to see you there!



Keith, AC8PR

73,
Tom, WB8LCD



PCARS Net Night Trivia Quiz – October 2014

1. Who was the first “HAM” in Space?

- a) Norm Fusaro – W3IZ b) Dr. Owen Garriott – W5LFL
c) HAM – the Space Chimp d) E Mike McCardel – KC8YLD

2. What type of modulation has a constant power output level?

- a) Amplitude Modulation b) Frequency Modulation c) CW d) SSB

3. What is the maximum power output allowed in a transmitter for remote control of model craft?

- a) 5 watts b) 2.5 watts c) 1 watt d) 0.5 watt

4. Your station is plagued by interference from a strong local broadcast station. To solve the problem use:

- a) Band Pass Filter b) Notch Filter c) Comb Filter d) Chebyshev Filter

5. Vertical antennas can work well for DX due to their:

- a) Wide Bandwidth b) Hi-Q loading coils c) Omni-directional radiation pattern
d) low angle of radiation

6. The U.S of A. has 3rd party traffic agreements with all of the following except:

- a) Israel b) Bosnia-Herzegovina c) Germany d) United Kingdom e) Jordan

7. On 60 meters, amateurs are restricted to:

- a) 50 watts, as measured at the transmitter output b) 50 watts to the antenna input
c) 50 watts ERP d) 50 watts PEP

8. Ideally, an NVIS antenna should be erected:

- a) Between 0.1 and 0.25 wavelength above ground b) as close to the ground as possible
c) Between 8 and 12 feet above ground d) With the elements touching the ground at each end

9. Digital FM has an operating duty factor of:

- a) 25% b) 50% c) 75% d) 100%

10. “Manhattan Style” is a:

- a) Morse Code Cadence b) Technique for operating in VHF/UHF contests
c) Technique for home brewing circuit boards d) Technique for mounting multiple antennas on a tower.

11. High end manufacturer of Ham Radio equipment located in OH before going defunct:

- a) Collins b) Clegg c) Hammarlund d) R.L Drake

12. In order to conduct a license exam session, there must be at least ____ VE's present:

- a) 2 b) 3 c) 4 d) 5

13. The ARRL Section with the most hams is locate in:

- a) Ohio b) San Francisco c) Los Angeles d) Sacramento Valley

14. What propagation mode is common on the 6 meter band?

- a) F-Layer b) E-Layer c) Tropo d) All the above

15. What is the value of a resistor colored RED, Yellow, Brown, Gold?

- a) 230 ohms 10% b) 240 ohms 5% c) 3400 ohms 1% d) 2400 ohms 5%

16. When radio ops on the Titanic knew the ship was sinking, what message did they first send?

- a) QRZ b) SOS c) CQD d) HELP!

17. What does the term “dip & load refer to?

- a) Tuning a manual tuned transmitter for proper operation
b) Adjusting your antenna matching for a low SWR
c) Reducing the TX RF output while tuning an external RF amp d) none of the above

18. The Phase Lock Loop (PLL) was first used for what purpose?

- a) to improve Local Oscillator (LO) stability in radio receivers
b) to replace crystals in two meter transceivers
c) to compensate for “doppler shift” in orbiting communications satellites
d) to generate “synthesized” frequencies

19. Household lamp cord can not only be used as an antenna, but can be used for feedline, too.

- a) True b) False

20. What Ham Radio website was the first to go online?

- a) ARRL.org b) QRZ.com c) EHAM.net d) QTH.net

21. Solar Cycles have an average length of:

- a) 1 year b) 3 years c) 6 years d) 11 years

22. Center-fed half-wave dipoles have an input resistance of approximately:

- a) 32 ohms b) 50 ohms c) 73 ohms d) 100 ohms

23. What is the definition of resonance?

- a) when inductive and capacitive reactances are equal b) when maximum plate current flows
c) when operating frequency equals desired frequency
d) Resonance is when all circuits are functioning as desired

24. All Vertical antennas must be “end fed”

- a) TRUE b) FALSE



Swap-N-Shop

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

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

FOR SALE: Kenwood TS-711A, 2 Mtr All Mode, \$450

FOR SALE: Kenwood TS-811A, 440 Mhz All Mode, \$530

FOR SALE: Kenwood TS-450SAT, HF All Mode, \$600

FOR SALE: Misc tower parts, contact me if interested.

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

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

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

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. Cost new \$335 will sell for \$219 (WHAT A DEAL!)

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

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

FOR SALE: Andrew 2.4GHz (wi-fi) window antenna, new in box, 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 [01/02/15]

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

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



Let's Talk

Wow. Winter is just around the corner. I know this because I spent this past weekend polishing up the motorcycle and getting down to the bike shop for winter storage. This is always the hardest thing for me to do as that my ability just to get out and away from everything has also been put to bed for the season. Yes Virginia, Santa Claus will soon be coming, but unless you're a bike rider, you can't really know the sadness that comes when you have to put the bike up for the winter.

Have you taken in the fall colors yet? I can't imagine a prettier time of the year than when fall comes around. The trees are multicolored and just absolutely beautiful this time of the year. Ohio is really blessed to have as many forests and woods as it has. It's absolutely spectacular!!

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

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 is never stagnate and it's forever changing. I would recommend that you check into the website at least 3 times per week.

U.S. House Bill - HR 4969 is still working its way around Congress. Have you written to your Congressman yet? Many have. Let's keep this campaign going strong. If you haven't written your letter yet, there are a lot of good ideas on how to compose it on the Leagues website. Just follow the HR-4969 link on their front page. It will take you to all the latest information and letter suggestions.

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. 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.

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

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

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



73,
Scott Yonally, N8SY
ARRL Ohio Section Manager



CW Class Update

Phase 1, learning the characters, of CW Class will end November 12, 2014. The class began with 5 interested people the first night. Then a 6th person showed up the 2nd night. Due to person issues the class has dwindled to 3 students that seem eager each week. We've gone through all the required characters and will use the remaining 3 classes for more in class practice receiving and maybe sending CW to each other.

Phase 2, learning how to copy faster, will commence at the PCARS club site on November 19th at 1930 EST (7:30 PM) and conclude December 17th.



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.
► <http://www.arrl.org/hr-4969>

**Get Behind
HR 4969**

73,
Terry, KB8AMZ

Spring Forward - Fall Back

It is that time of year again - Sunday, November 2nd at 2:00 am (local time) - Turn your clocks **BACK** one hour (Fall Back). We go from Eastern Daylight Saving Time to Eastern Standard Time.



UTC (GMT or Zulu Time) does **NOT** change.

So, follow me on this..... at 2:00 am (0200) local it will be 0600 UTC or 4 hours behind UTC.

We turn our clocks back one hour and that makes it 1:00 am EST (0100). It will still be 0600 UTC. We are now 5 hours behind UTC time.

You get to sleep in one more hour on Sunday morning. But don't worry, they will take that hour back again in Spring when we turn our clock ahead one hour (Spring Forward).

73,
Tom, KB8UUZ



A Couple of Things From Little Rock

1 - The new General Class Question Pool will be released either in December, 2014 or January, 2015...to take effect on exams on July 1, 2015. So, if you're a Technician Class ham, and wanting to "get into the meat of the ham radio bands", you might want to consider studying, and upgrading before the pool changes. At this time, I do NOT know the ratio of questions with schematic diagrams to those without...but, I suspect there will be more schematics in the new pool. But, nobody will know until the new pool is released, and "approved as final".

2 - With all the various weather groups "Winter Weather Outlooks" out now, it's not too early to consider ones shack and outside antenna setup for the upcoming winter. There is nothing worse than trying to fix your outdoor antenna while it is snowing....

73,

Daryl, WX1DER



Are Knobs and Buttons Toast?

In a recent column on EETimes (http://www.eetimes.com/author.asp?doc_id=1324283), an old colleague of mine, Martin Rowe, says, "Knobs and buttons are slowly on their way out. Get used to it." He's referring to the controls on oscilloscopes, but if he were a ham, he might just as well be talking about amateur radio transceivers, too.

We already see this happening in amateur radio. FlexRadio, and a couple of other companies, already make transceivers with no front panel controls. You must have a computer to use them.

Might we even start to see this with handheld and portable equipment? For example, how much cheaper could they make a Baofeng if to use it, you had to also have an Android or iPhone app to act as the human interface?

To be honest, I haven't really thought about this much myself. I'm enough of a dinosaur to still prefer buttons and knobs, but having to use on-screen controls certainly doesn't turn me off. Rowe claims, however, that "as the old-timers retire (or in our case as older hams become SKs), younger engineers (or young hams) will expect every user interface to function like a phone or tablet. Don't believe me? Just wait."

I got several interesting replies to this idea on my blog. Bill, AD8BC says, "What would be fun would be an open-source mobile radio. I picture an RF deck with a Raspberry Pi and touch screen for control, the Pi would simply tell the RF deck where to tune and handle the interface and scanning functions, it would ship with a stock app, but you could make your own. Built in support for SDR stuff, packet, APRS, remote operation...."

Most commenters, however, even the younger guys, still seem to prefer analog controls. Lucien, DH7LM, says, "I'm a newly licensed ham and I like both – experimenting with advanced computer stuff like SDRs and the great feeling a real radio provides!" Grant, KJ6ZZD, says, "Knobs perform some tasks better than a screen can. Knobs provide some tactile feedback that a screen just can't."

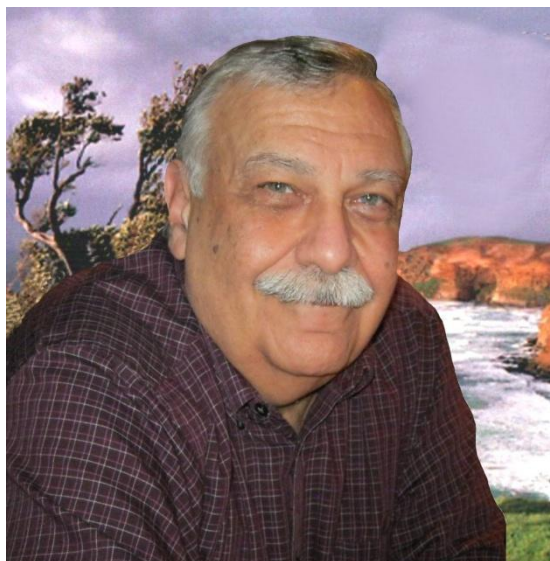
So, what do you think? Are knobs and buttons toast, or do you think there's still some life left in analog controls?

Dan, KB6NU

When not twiddling the knobs on his HF transceiver or relatively ancient Tek 2213 analog oscilloscope, you'll find KB6NU working on updates to his "No Nonsense" study guides or blogging about amateur radio at www.kb6nu.com.



Charlie the Tuner's HF High-Lites



Only 54 more shopping days until Christmas. Sheesh!! Can that really be true??? You betcha!! Since that's the case, you better start making a list for Santa telling him what Amateur Radio goodies you want under the tree. In the meantime, it would be best to get on the air to show Santa that you really do use your radios. And there is no better use than to work some DX. There are quite a few really great DXpeditions coming up that should get the juices going in you hard core DXers, not to mention an update on P5....yes I said P5. It just may happen in our lifetime. In the meantime, there are many other rare DX entities to work. Just start reading to find out what they are. And before I forget, please read the following paragraph so you won't be kicking yourself when you get up at the wrong time.

STANDARD TIME. Remember to change your clocks next week? Countries who observe Daylight Saving Time (DST), which took place on Sunday, March 9th, are now expected to move their "local clocks" backward 1 hour on Sunday, November 2nd, from 2:00 AM local time to 1:00 AM. In 2015, Daylight Saving Time (DST) will again go into effect on Sunday, March 8th, at 2:00 AM local time. For the history and details about ST and DST, as well as an interesting map of the world (showing the countries who observe DST), see: http://en.wikipedia.org/wiki/Standard_time http://en.wikipedia.org/wiki/Daylight_saving_time <http://www.timeanddate.com/time/dst/2015.html> **ADDED NOTE:** Hopefully, all amateur radio operators know not to change their GMT/UTC/ZULU clocks. However, since most operators usually set their computers to local time, some may have to change their settings on "some" ham radio software (ex. logging, propagation, DXTelnet, etc..) programs.

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

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

3B8 & 3B9, MAURITIUS AND RODRIGUEZ ISLANDS. Olof, G0CKV, will be active from both Mauritius (AF-049) and Rodrigues Islands (AF-017) starting mid-week through late November. His tentative schedule is as follows: October 22nd-November 12th - Mauritius; call sign 3B8HA - November 16-22nd - Rodrigues Island; call sign 3B9HA. Olof will use a basic setup (dipoles for 20/15/10m) at Mauritius, operating mainly CW, before he heads to Rodrigues Island. QSL via G0CKV, direct, LoTW or eQSL. On Rodrigues Island, he will take a different approach and use his K3 radio into SpiderBeam poles and beverages for the lower bands. Activity will be holiday style. He will return to Mauritius to be part of the 3B8MU team for the CQWW DX CW Contest (November 29-30th) in a Multi-Op entry. The 3B9MU operators mentioned are Olof/G0CKV, Kazu/JK3GAD, Seppo/OH1VR, Jorma/OH2KI and Olive/W6NV.

3W, VIETNAM. Tony, KM0O, will be active as 3W3O from Danang between November 25th and December 24th. His main activity will be the CQWW DX CW Contest (November 29-30th) as a Single-Op/All-Band entry. Tony likes 80 and

160 meters, so he will probably be emphasizing those bands before and after the contest. QSL via LoTW, by the Bureau or KM0O (see QRZ.com). He will upload his logs to LoTW as promptly as possible. QSLs will not go out until summer of 2015.

4A, MEXICO. Alejandro, XE1EE, will use the special call sign 4A5XX (to celebrate his 20 yrs in amateur radio) during the CQWW DX CW Contest (November 29-30th) as a Single-Op/All-Band/High-Band entry. Please QSL via LoTW, LZ3HI, eQSL, by the Bureau and direct to his home call sign. See: <http://www.qrz.com/db/4A5XX>

5R, MADAGASCAR. Eric, F6ICX, will once again be active as 5R8IC from Saint Marie Island (AF-090) between November 3rd and December 12th. Activity will be holiday style on all HF bands operating mainly CW, but some SSB, RTTY, and PSK63, using a FT450 with 100 watts into various GPs or Inverted-Ls and a Hexbeam for 20-10 meters. There will be no online log during his activity. QSL via his home call sign (QRZ.com). Logs will be uploaded to ClubLog and LoTW.

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 of Ham Radio." QSL via DL7DF, direct or by the DARC Bureau. For more info and updates, see: <http://www.dl7df.com/6w/index.html>

7P, LESOTHO. "The Daily DX" reports that Nick, G3RWF, is heading back to Southern Africa for a 5 week holiday starting in Lesotho and being active as 7P8NH between December 11-14th. Listen for him on the higher bands on CW (no SSB). QSL via G3RWF.

ASIAN AND AFRICAN TOUR. Toshi, JA8BMK, plans to be active over the next month and into the new year. Activity will be focused mainly on the lower bands (160-80m) with better receive antennas and locations. His tentative schedule is as follows:

October 31st-Nov 20th - Nagarkot, Nepal; call sign 9N7BM; set up a vertical instead of a inverted V with RX antennas.

January 10-25th (2015) - Antananarivo, Madagascar; call sign 5R8DX; operators Toshi/JA8BMK and Ken/JN1THL; focusing on the low bands.

Feb 5-25th (2015) - Vientiane, Laos; call sign; from a new QTH with lower noise and wider area and with RX antennas.

March 1-31st (2015) - Nha Trang, Vietnam; call sign XV7BM; with improved RX antennas.

QSL all call signs via JA8BMK.

CE0Y, EASTER ISLAND. Gerben, PG5M, has announced that he will be active as CE0Y/PG5M from Easter Island (SA-001) between November 23-28th. This will be a holiday-style operation. Further details will be forthcoming. Please QSL via his home call sign, by the Bureau, direct or the OQRS on his Web page. For updates, watch his Web page and Twitter account at: <http://www.dx.to>

CE0Z, JUAN FERNANDEZ ISLAND. Felipe, CE5WQO, will be active as CE0Z/CE5WQO from Juan Fernandez Island (SA-005) between November 19-27th. Operations will be holiday style on 160-10 meters using CW, SSB and the Digital modes. PLEASE NOTE: Felipe would like to know which bands and modes the HAM community needs for CE0Z. QSL via KA3LKM (w/2 IRCs or greenstamps).

CQ NEWS (CQ Reconsiders Policy on Crimea in CQ Contests). The following was announced Tuesday, October 21st: "In response to requests from a large number of testers around the world, CQ has reconsidered its decision regarding the acceptance of logs from stations in Crimea in CQ-sponsored contests. As CQ Publisher Dick Ross, K2MGA, explained, 'a large portion of the contesting community felt that we were unfairly denying our fellow amateurs in Crimea of the opportunity to fully participate in our contests. Since the country list for CQ contests is based on a combination of the Worked All Europe (WAE) and ARRL DXCC lists, and the ARRL has already adopted a policy regarding Crimean stations in its award and contest programs, we will amend our policy to be consistent with the ARRL's DXCC policy.' Therefore, the listings of Crimean stations submitting logs for CQ contests will be based on the call sign under which they have operated. If they used Russian-issued calls in the contest, they will be listed under Russia; if they used Ukrainian-issued calls in the contest, they will be listed under Ukraine. This change reflects not only the desire of many testers around the world, but also of a large majority of members of the CQ World Wide DX Contest Committee."

E5, SOUTH COOK ISLANDS. Bill, N7OU, will once again be operating as E51NOU from Rarotonga (OC-013), South Cook Islands, between October 13th and November 9th. Activity will be on 160-10 meters, CW only, in his spare time as work allows. QSL via N7OU.

E5, SOUTH COOK ISLANDS. Steve, KL7SB, will be active as E51RAT from Rarotonga (OC-013) between late November and early December. Activity will be limited as time permits, but look for him during the CQWW DX CW Contest (November 29-30th). QSL via NI5DX.

EW3, BELARUS (WFF Op). Eugene, EW3LK, will activate Prostyr (EWFF-024) for the World Wide Flora & Fauna Award (WWF) between November 1-4th. Activity will be on 80-10 meters using CW and SSB.

FR, REUNION ISLAND. Stephane, F5UOW, will once again be active as FR/F5UOW from Reunion Island (AF-016) between October 29th and November 20th. Activity will be mostly on CW with some SSB and RTTY. He will also be joined by Alain, F8FUA. QSL via F5UOW, by the Bureau or direct. Please NO IRCs!

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>

FT4TA, TROMELIN ISLAND. Just a reminder that members of the F6KOP Team and Lyon DX Gang will be activating FT4TA from Tromelin Island between October 30th and November 10th. They plan to have 4 stations on the air for 10 days, on 160-10 meters using SSB, CW and RTTY. Suggested frequencies are: CW - 1826.5, 3523, 7023, 10115, 14023, 18079, 21023, 24894 and 28023 kHz SSB - 3790, 7082, 14185, 18130, 21285, 24955 and 28485 kHz RTTY - 10142, 18099, 21080, 24912 and 28080 kHz 6m - 50105/CW and 50105/SSB <http://www.tromelin2014.com/plan-de-bande/> An online log will be available during the DXpedition. An OQRS will be available by ClubLog. QSL via F1NGP. QSLing details can be seen at: <http://www.tromelin2014.com/cartes-qsq>. For more details, visit: <http://www.tromelin2014.com>

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.

KP1, NAVASSA (Press Release). From the KP1-5 Project, dated October 22nd: "The U.S. Fish & Wildlife Service has notified the KP1-5 Project that they will be the team to activate Navassa Island (KP1) in January 2015. The DXpedition will be a maximum of fourteen days. The exact dates in January will be determined by USFWS mission requirements and weather windows. Navassa is over 100 miles (160 km) from the nearest helicopter staging point and as many as ten round trips will be required at the beginning and end of the operation. Obviously, this means that there will be a significant cost for activating this #1 ranked DXCC entity. In the next few weeks, we be working with USFWS and as details firm up, we will issue periodic press releases. Check our webpage, <http://www.kp1-5.com> for more details of the operation and how you may financially support this DXpedition. The KP1-5 Project team has committed to fund 50% of the total costs. We are hopeful the DX community at large will fund the remainder for The KP1-5 Project, Bob Allphin, K4UEE, President, Glenn Johnson, W0GJ, Vice-president, Mike Thomas, NA5U, Secretary"

P5, NORTH KOREA (Update On The P5/K6VVA Quest). Rick, K6VVA, posted the following on October 20th: "In just a few months will begin Year #9 of my quest for approval to operate from P5. There have been many, MANY different proposals made to the D.P.R.K. Authorities during the past 8 Years. Recently, my primary Advocate and Envoy to P5 has left the NGO to a new position with a different organization not involved with Humanitarian work in the D.P.R.K. I am pursuing alternative new pathways to success in this project to be able to fulfill the intended Humanitarian goal, and the objective to provide an equal opportunity for all DXCC Program participants in need of ONE "CW" QSO credit with North Korea. ADDITIONAL CHANGES & INFORMATION -- An original purpose of the P5/K6VVA

Expedition was to operate from at least one IOTA (AS-197), with background plans to hopefully QRV from all 4 of the P5 IOTAs. However, based on data Results of my K6VVA IOTA SURVEY and a very detailed analysis of almost 100,000 QSOs made by 25 different "IOTA-ONLY" Expeditions, plans have now changed. The previous expressions of interest in donations for Humanitarian work in the D.P.R.K. were astonishing for which I am grateful. Yet, LESS than 5% (Five Percent) of Call signs from the serious IOTA Community in the combined 2010 + 2014 Honor Roll and Annual Listing Reports participated. The overwhelming level of support for the Humanitarian goal in the D.P.R.K. came from the DXCC Community. Accordingly, IOTA is no longer a primary objective in my P5/K6VVA plans due to lack of IOTA support." To read the complete update by Rick, go to: <http://www.k6vva.com/p5>

PJ2, CURACAO. Operators Martin/K2PLF, Jeff/K8ND, Gene/KB7Q, Bill/K9HZ, Lee/KY7M, Rich/N0YY, Fred/NA2U, Jim/W8WTS, Geoff/W0CG (PJ2DX), Kyle/WA4PGM, Joerg/DF9LJ and possibly others will be active from the Caribbean Contesting Consortium's (CCC) Signal Point contest station on Curacao Island (SA-099, WLOTA 0942) between Nov 18th and Dec 2nd. The team's main focus will be on the CQWW DX CW Contest (November 29-30th) as a Multi/? entry using the call sign PJ2T. Outside the contest, operators will be signing PJ2/homecall or their own personal PJ2 call sign. QSL PJ2T via W3HKN. QSL PJ2DX direct to W0CG. QSL all others via their home call signs.

T31, CENTRAL KIRIBATI (Update). It was announced a few weeks ago that members of the 2013 November 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>

IOTA NEWS.....

AS-099. Members of the Balkan Contest Group will be active as TC0A from **Bozcaada Island** in Asiatic Turkey between November 23rd and December 1st. Activity will also include the CQWW DX CW Contest (November 29-30th) as a Multi-2 entry. QSL via LoTW or direct to LZ1NK: NIKOLAY ENCHEV, P.O. Box 176, 4300 Karlovo, BULGARIA. Operators mentioned are Nick/LZ1NK, Christo/LZ3FN, Plamen/LZ1DCW, Llian/LZ1CNN, Nick/LZ3ND, Nasko/LZ3YY, Yasar/ TA3D, Mustafa/TA2TX, Miroslav/LZ1MBU and Krasi/LZ2UW. For more detail, past operations and updates, see: <http://tc3a.alie.bg>

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

NA-122. Member of the Hotel India DX Club will be active as HI2DX from **Saona Island** between November 19-23rd (tentative dates). Operators 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 will be on 160-6 meters using CW, SSB and the 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/hi2d>

SA-024. Operators Marcelo/PY2AE, Murilo/PY2DS, João/PU2KKE, Willian/ PU2XIZ and Fábio/PU2KFL will be active as ZX2CA from **Cardoso Island** (DIB SP-07), and as PW2BA from **Bom Abrigo Island** and Lighthouse (ARLHS-BRA-013, DIB-SP-05, DFB-SP-03) between November 21-24th. Operators will spend two days on each island (Cardoso Island should be first depending on the sea conditions). Activity will be on 80/40/20/15/10/6/2 meters using CW and SSB. QSL ZX2CA via PY2DS direct. QSL PW2BA via PY2AE direct.

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.

VK9N, NORFOLK ISLAND. Michael, G7VJR, (author of ClubLog) will be active as VK9/G7VJR from Norfolk Island (OC-005) between December 26th and January 2nd (2015). Activity will be holiday style on the HF bands using CW with an Elecraft K3 and 100 watts. QSL via M00XO or LoTW.

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

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 November. 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. Operators 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 tentative plans and schedule are as follows:

- * **Campbell Bay, Great Nicobar Island** - Operation between November 3-13th, 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.

ZD8, ASCENSION ISLAND. Marko, N5ZO, will be active as ZD8O from Ascension Island between November 17th and December 2nd. Activity will be mainly in contests. His activity in the CQWW DX CW Contest will be Single-Op/All-Band entry. QSL via OH0XX.

I told you there was some great DX coming up. Get on the air and work some of it. Until next month....HO HO HO and 73.

Chuck, W8PT
aka 'Charlie the Tuner'



Selling Your Gear on eBay - Part 2

The first installment of this series covered the basics—setting up an account, your options for selling, and deciding on sales methods/ policies you'll use. This article will focus on some of the situations you'll encounter and additional options you have as an Ebay seller.

Shipping

One of the more significant costs in an Ebay sale will be shipping. Local pickup could make this a nonissue, but remember that your pool of customers will be somewhat limited—those who are probably within 100 miles or so. I often make local pickup an option, but offer conventional shipping as well. There gets to be a point where time and the cost of gasoline exceeds the convenience and cost of shipping using one of the major carriers.

When listing your item, you'll need to determine the weight of the item, including packaging. This is something many sellers tend to underestimate, so having an inexpensive electronic scale may be a good investment if you plan to sell more than a few items over the next year or so. Always round up to the next pound—and be sure to weigh the box and packing materials as well.

Once you have the item's shipping weight, you can get an estimate of shipping cost to pass on to your customers. Shipping rates are often all over the map (no pun intended). But there are some bargains out there if you're willing to do some comparison shopping.

USPS: For small items less than 13 ounces, First Class Parcel is an often overlooked bargain. It's considerably cheaper and often as fast as Priority Mail parcels. And watch out for the Parcel Post Rates—they are often the same or more than Priority Mail, and involve longer delivery times.

UPS: Sometimes setting up your own online account with UPS, rather than working through Ebay/PayPal can be an advantage. You can get modest discounts, and full insurance coverage for more expensive items. PayPal limits coverage you can purchase to \$1000 if you work through them. Ditto for your local UPS Store.



FedEX: They seem to have the most generous discounts, and often meet or beat prices of the other carriers. In our area, however, they have a reputation for rough handling of parcels.

Whomever you choose, be sure to pack well. Double boxing for heavy items and 2" of resilient padding all the way around helps avoid damage.



Dealing With Customers

Anyone that's worked in retail can tell you it's both a joy and headache to deal with customers. As an Ebay seller, you'll experience some of this—though your dealings will likely be through email or phone rather than face-to-face.

Buyers will always have questions. Giving a complete and accurate description in your listing will mean fewer questions—but there are always those annoying few who will gloss over your listing and ask about information already contained in your description. It's unrealistic to expect you to be tethered to your computer or smart phone 24/7 to answer, but checking into your email two or three times a day is reasonable. Frequently asked questions and answers can also be posted on your listing.



Some prospective buyers may try to bargain with you outside the auction by sending you private emails asking you to cut them a deal or make other requests—both strange and unreasonable. It's better to politely decline and tell them to place a bid if they're really interested. Any deals made outside the auction process have no protection from Ebay and you can forget about any kind of dispute resolution from Ebay if a problem arises.

Another annoying thing buyers may do is to withdraw a bid or try to back out of a sale once it is completed. There are a lot of reasons why this might happen: honest mistakes in bidding, buyers' remorse, bidding an item up too high, etc. Don't make a big deal of withdrawn bids, just move on.

Nonpaying bidders are another story. If you don't receive payment, you can file a complaint with Ebay as soon as two days after the auction closes. They'll send the bidder a few stern notices, encouraging them to pay and informing them that sanctions can be placed on their account if they continue this kind of behavior. Even if you and the buyer communicate and come to an agreement to cancel the sale, still file the nonpaying bidder complaint. After a sale, Ebay bills you for seller fees, and it's the only way you'll be able to get a refund. Then you can relist.



Why repeat bad experiences? You can block problem individuals from bidding on your items, such as nonpaying bidders. Check the Ebay Resolution Center for details—you can make or edit a list of individuals you don't want bidding on items.

There are also the dealers. Like Rick on Pawn Stars, they want to buy low, so they can resell and make a profit. They'll often give you lowball offers, especially if you include the "make an offer" option in your listing. Your goal is to make a fair price so you've got a few extra bucks in your pocket—or have some cash toward the new gear you want to buy—not to support them. Concentrate on selling to the end buyer. If you suspect someone is a dealer, it's easy to check. Look up their Ebay name and current items for sale. Long lists of items, having an Ebay store, or a concentration on some specific categories of items is a giveaway.

Feedback

After a sale, both buyers and sellers are encouraged to leave feedback. According to Ebay, this is a way you can help measure the integrity of the buyer or seller, based on their transactions. Buyers often look at the seller's ratings, and high positive feedback percentages make them more confident in dealing with you.

Feedback comments should be factual, describe the transaction accurately and avoid drama or name calling. Make it short and sweet, because you only have 80 characters (including spaces).

Buyers can leave a positive, negative, or neutral rating and a short comment for sellers. Sellers can leave a positive rating and a short comment for buyers. Wait a minute—sellers can't leave negative feedback, even if the buyer is a no-good #&%%\$@? It's true. Here's Ebay's rationale:



"Negative feedback discourages buyers from future transactions and can lead to lower sales. In addition, there are more effective ways for sellers to deal with issues with buyers. For example, if a buyer hasn't paid, you can open an unpaid item case in the Resolution Center. You can also block a buyer from purchasing items you've listed."

What if there's a dispute? Ebay encourages buyers to contact sellers to try to resolve any issues before leaving neutral or negative Feedback. That means some email exchanges to sort things out. Buyers can revise Feedback they've left for sellers in the case of a mistake. Sellers can also respond to buyer feedback, positive or negative. Remember, you only have 80 characters (including spaces).

Along with an overall rating, buyers can also rate sellers on the details of the purchase. These detailed seller ratings are anonymous, and don't count toward the overall Feedback Score. It's a 1-5 star rating system, based on questions about service, accuracy of listing, etc.

Buyers and sellers can't demand feedback—it's a courtesy that both parties should provide. Also, they should not participate in "feedback extortion." Examples: 1) The buyer isn't allowed to threaten to use feedback to force a seller into providing goods or services that weren't included in the original item's description or purchase price, a return or refund. 2) A seller can't use feedback to threaten a buyer when it comes to refunds, replacement, or actually shipping the item. This behavior is frowned upon, and you can file a complaint with Ebay.

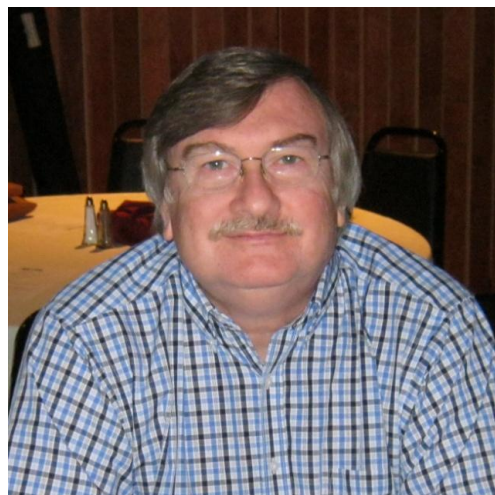
Overall Experience

I've done nearly 1000 transactions as a buyer or seller on Ebay in the last decade, and I'd estimate that more than 98% were without incident

Generally, it's a safe place to buy and sell. I'd have to agree with some of the Ebay critics—they tend to favor the buyer over the seller in disputes. It seems kind of strange, since Ebay gets its fees from the sellers. They wouldn't be in business without us . . .

Here are some final suggestions that will make your experience on Ebay more successful, or at least less frustrating.

- 1) **Communicate with your buyer and potential buyers.** Some people are still nervous about buying online. Reassure them and provide answers as appropriate.
- 2) **Make sure your listing is complete and accurate.** Describe your item(s) to the best of your ability, take lots of pictures to document the condition of the items, and be specific about what you're including. I just sold a tuner yesterday and the buyer seemed to think there was a balun included in the deal (it's an optional accessory). It was not in the listing, not in the pictures, and I politely pointed this out to him.
- 3) **Sell weekend to weekend.** I almost always list items on a weekend and have them end on the next weekend—or at least have them end on the weekend. I don't have any statistics to prove this, but my gut feeling is they get more exposure and people will spend more time looking and bidding on the weekend.
- 4) **Don't skimp on the packing materials.** Even if the item is insured, carriers will sometimes cite an improperly packed box as the cause and challenge the claim. Even if it turns out to be over your shipping budget, spend that extra buck or two on proper packaging. You'll thank me for this advice—maybe a beer during/after the next meeting?
- 5) **Avoid troublemakers.** Unless they give a really good excuse for their actions, put nonpaying bidders, those who withdraw bids, and those who give false or misleading feedback on your blocked list. They shouldn't be able to bid on your items, you're not obligated to sell to them, and you don't need the headaches. No more Mister Nice Guy.



Mark, K8MSH

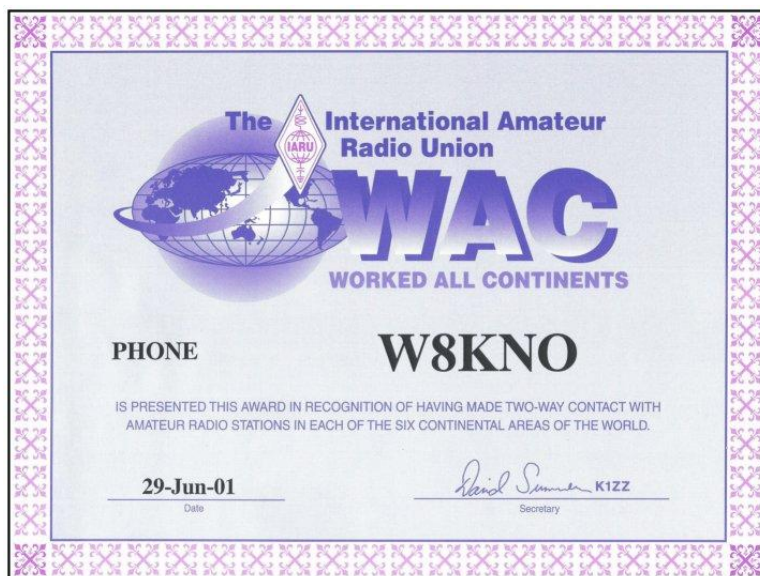


Paper Chase

I am writing this Monday evening after a weekend of playing radio in the CQ World Wide DX SSB Contest. If you played in the contest, you are well aware of the good propagation on 15 and 10 meters. If you were lucky to have worked Africa, you probably worked all the continents. Some of you may not be aware of the **"Worked All Continents"** award sponsored by the IARU.

The Worked All Continents (WAC) award is issued for working and confirming all six continents: North America, South America, Oceania, Asia, Europe and Africa. You notice this is different than the seven continents you learned in school which were North America, South America, Europe, Australia, Asia, Africa and Antarctica. Therefore, the award is easier to obtain than having to actually work all the continents.

You can do this with any combination of bands and modes. The cost for the award is \$13.00. Endorsements are also available for any mode or band. The cost of the endorsement is \$7.50 but if you request multiple endorsement on one application the cost remains only \$7.50 or to put another way it costs \$7.50 each time you file an application.



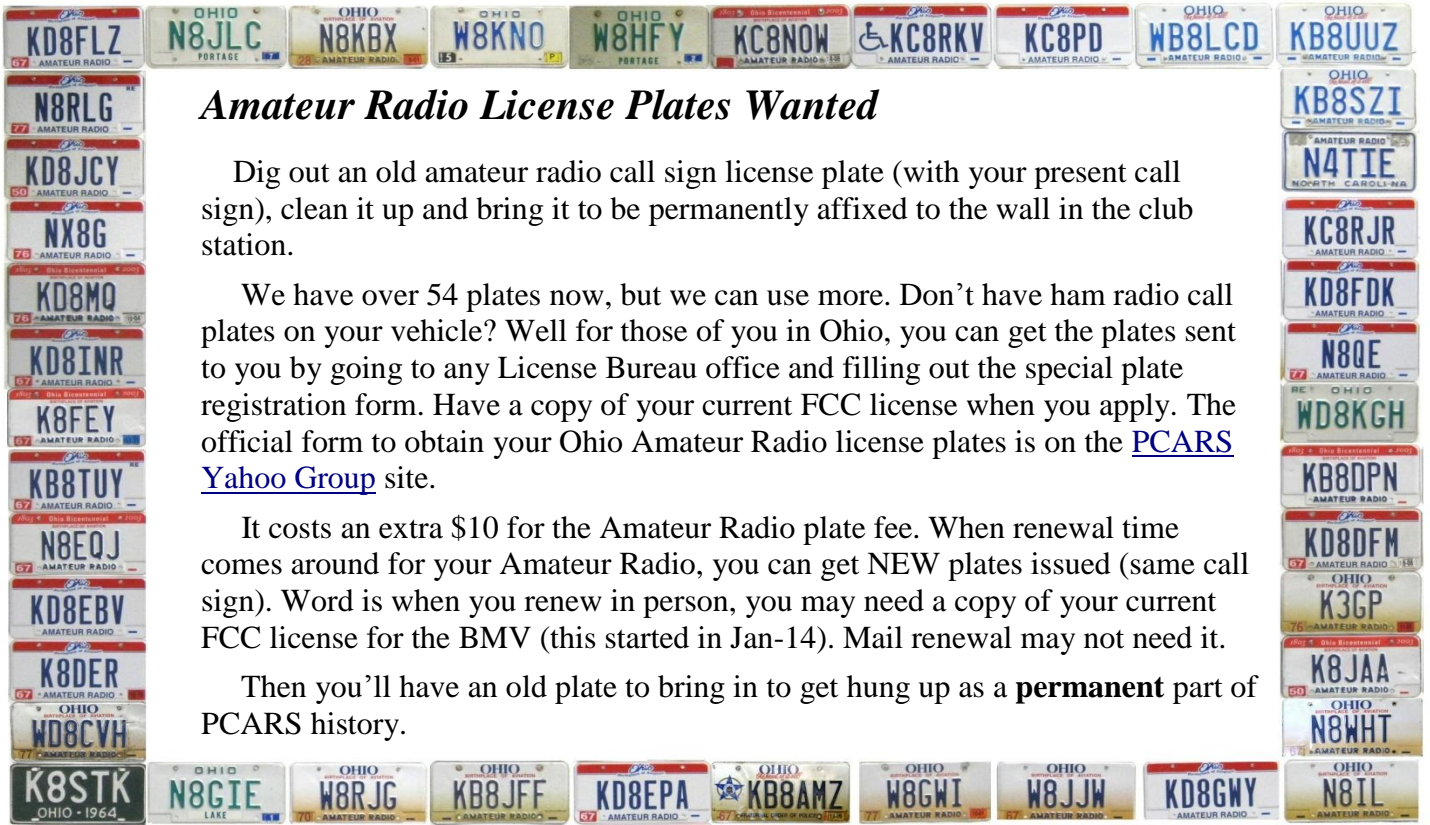
The application can be found at: <http://www.arrl.org/files/file/DXCC/2014wac%20app.pdf>

There is also a Five-Band Worked All Continents award which is strictly a 'band only' award and cannot be endorsed on any mode.

WAC applications can be checked by a DXCC card checker.

Hope to hear you on the air,
Joe, W8KNO





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.

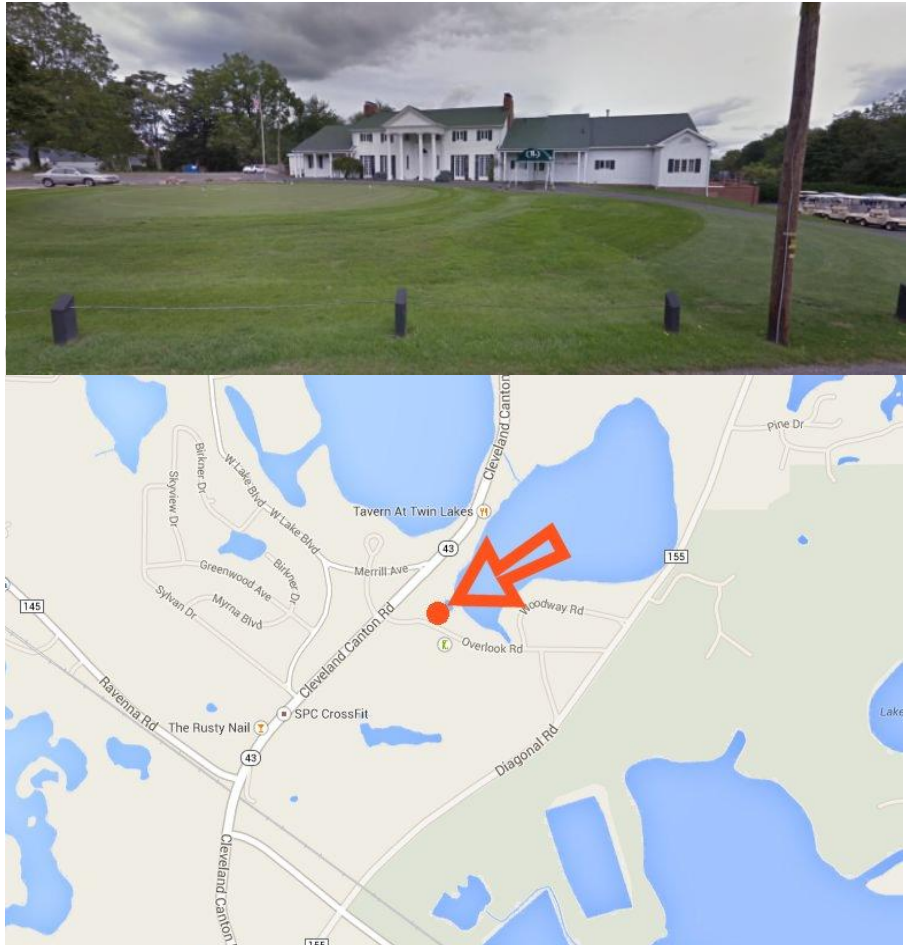
PCARS Meetings

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**





Club Site Antenna Repairs

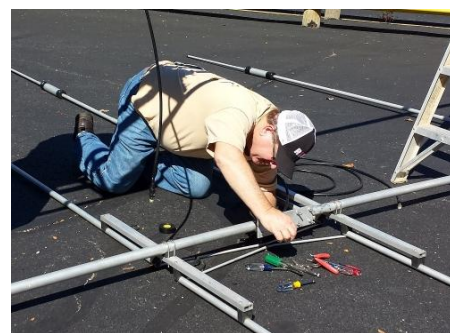


The antenna work at the club site is complete! As you will recall all three HF antennas at the club site needed a little TLC after weathering a number of years in the elements. Last time I reported that we had replaced the dipole and the vertical.

This time, I am happy to report the beam is repaired. Since we had a nice tilt over plate at the base of the tower, we decided to add a winch to make future repairs easier. Ed K8IV built us a nice pulley bracket for the top, and I picked up the winch and other hardware. ED K8IV, Tom WB8LCD, Mike KD8FLZ, Nick AC8QG, and I met at the club site on a beautiful, if somewhat brisk, Saturday morning. The hardware was all installed, and the tower was lowered to the ground without incident. My examination of the antenna revealed an open circuit in one of the driven element traps, at an aluminum to aluminum connection.



We all agreed if one was bad they were all on the way. All of the traps were disassembled, a few insects removed, connections cleaned up with fine sandpaper, and treated with Pentatrox. We also replaced the coax RF choke and feed line part way down the tower. The tower was raised and re-secured to the house bracket.



Ed sat down at one of the radios in the radio room and put the antenna through it paces, with excellent reports from all stations contacted. Since then it performed beautifully for the California QSO Party!

I may have lead the charge, but I certainly wouldn't have done it all without help. I would like to thank; ED Polack K8IV, Tom Sly WB8LCD, Mike Dicaro KD8FLZ, Nick Wagner AC8QG, Mike Ryan KB8TUY, Rick Kruis K8CAV, Jim Aylward KC8PD. All of these folks helped out in one way or another, so if you see them, say thanks!



Erica, AE8YL



Ohio State Parks On The Air - 2014



OSPOTA 2014 is in the history books. From the comments we received about the contest it seems that everyone had lots of fun visiting the beautiful Ohio State Parks and taking the opportunity to play radio at the same time.

Hats off to all that participated. The set up at the Ohio State Parks varied from one person at a table trying to keep dry and warm to multiple operators and multiple radios set up in shelters with all kinds of food and supplies to make the day even more fun and comfortable.

I was fortunate enough to manage to get to seven State Parks and see some of the operators and loggers in action. Peggy, KB8SZI (my XYL) and I visited Nelson Ledges, West Branch, Lake Milton, Quail Hollow, Wingfoot Lake and Tinkers Creek State Parks.



John, KB8UHN, Joe W8KNO, Chuck W8PT, John KD8MQ

Once all of the logs were submitted, the OSPOTA Committee members got together at the Portage County Amateur Radio Service club site and spent an entire Saturday going over the logs. The final results are out and you can see these results on the next two pages of this newsletter.



If you were in the top three in your category, you can visit the next PCARS meeting on November 10th and pick up your certificate. If you plan on being there, drop me an e-mail (kb8uuz@portcars.org) and let me know, so I can have your certificate ready to present to you. If you cannot make it to the PCARS meeting, the certificate will be mailed to you.

On behalf of the OSPOTA Committee, **congratulations to the stations wining a certficate - and congratulations to all that participated.** Start making your plans for the **Eighth Annual Ohio State Parks On The Air** which will be on September 12, 2015.

I'm still working on getting all of the pictures that were submitted put into a slide show and hope to have that project completed and on the PCARS YouTube site, the OSPOTA Web Site and the OSPOTA Yahoo Group web site before the end of the year.



Take care & 73,

Tom, KB8UUZ
OSPOTA Chairman



Ohio State Parks On The Air



Greetings From OSPOTA 2014 (Ohio State Parks On The Air)

From the Portage County Amateur Radio Club's OSPOTA Committee, we would like to extend our appreciation for your participation in the seventh annual Ohio State Parks On The Air contest. You are now part of history and our hope is that it will be a long and rewarding one.

The OSPOTA contest was conceived with three main goals in mind: 1. To promote public awareness of ham radio and Ohio's beautiful State Park system; 2. To contribute to the recognition that Ohio has a very diverse and wonderful ecology; and 3. To promote camaraderie within the ranks of Ohio's Amateur Radio Operators. It has been with your participation that we believe those goals were achieved.

To those of you who placed in the top three spots in each category, congratulations on your efforts. You deserve your awards for your operating skills. We are counting on everyone doing even better in 2015.



So until September 12, 2015 - 73!

Tom - KB8UUZ, OSPOTA Chairman
Chuck - W8PT, Joe - W8KNO,
John - KD8MQ, John - KB8UHN
OSPOTA Committee Members



OSPOTA Web Site: <http://www.ospota.org>

OSPOTA is sponsored by the **Portage County Amateur Radio Service, Inc. (PCARS)**

PCARS Web Site: <http://www.portcars.org>

OSPOTA 2014 General Information:

| | | |
|--------------------------------|----------------------------|---|
| 64 parks activated | 9 parks did not submit log | 89 logs submitted |
| 11 out of state logs submitted | 26 Clubs represented | Top Score this year - AB8DD 40,832 |

Participating Clubs:

Alliance Amateur Radio Club, Ashtabula County ARES®, Athens County Amateur Radio Association (4), Butler County VHF Association, Cambridge Amateur Radio Association, CRES Amateur Radio Club, CRES/QRP Special Interest Group, Drake Amateur Radio Club, Fulton County ARES®, Geauga Amateur Radio Association, Hamilton County Amateur Public Service Core, Highland Amateur Radio Association (2), Hocking Valley Amateur Radio Club, Inner-City Amateur Radio Club, Lake County Amateur Radio Association, Medina 2 Meter Group (4), Milford Amateur Radio Club, Portage County Amateur Radio Service (4), QSY Society, Reservoir Amateur Radio Association, Southwest Ohio DX Association, Steubenville-Weirton Amateur Radio Club, Sunday Creek Amateur Radio Federation, Triangle Amateur Radio Club, Wabash Valley Amateur Radio Association, Warren Amateur Radio Association (2)

OSPOTA 2014 - Scores by Category

| Multi Op-Multi-Radio-High Power - In a Park | | |
|---|-----------------------|--------------|
| Call | Park Name | Score |
| AB8DD | KISER LAKE | 40832 |
| K8BLP | GUILFORD LAKE | 12012 |
| K8CY | GENEVA | 11662 |
| W8MRC | EAST FORK | 11475 |
| W8VP | WOLF RUN | 10706 |
| W8VTD | MOSQUITO LAKE | 9180 |
| W8CPG | DILLON | 8532 |
| W8O | LAKE MILTON | 8100 |
| KC8AAV | BURR OAK | 6450 |
| K8UU | CAESAR CREEK | 6288 |
| K8BXQ | HARRISON LAKE | 5096 |
| K8QYL | GRAND LAKE ST. MARYS | 3465 |
| N8BC | HEADLANDS BEACH | 3256 |
| N8L | NELSON KENNEDY LEDGES | 704 |
| K8YOJ | LITTLE MIAMI | 132 |

| Multi Op-Multi Radio-Low Power - In a Park | | |
|--|--------------------|-------------|
| Call | Park Name | Score |
| W8B | WEST BRANCH | 1440 |

| Multi Op-Single Radio-High Power - in a Park | | |
|--|--------------------|--------------|
| Call | Park Name | Score |
| KC8OKJ | PIKE LAKES | 12483 |
| W8WDS | INDIAN LAKE | 9310 |
| K8HO | ROCKY FORK | 6480 |
| WB8CEE | FORKED RUN | 5760 |
| W8CWO | JEFFERSON LAKE | 3913 |
| W8WE | MALABAR FARM | 3895 |
| KE8RV | MADISON LAKE | 3864 |
| KD8YLU | PUNDERSON | 3627 |
| WS8BSA | MOHICAN | 2940 |
| W8UKE | STROUDS RUN | 2294 |
| N8SUZ | JACKSON LAKE | 2144 |
| N8SPW | COWAN LAKE | 1764 |
| W8CCI | HUESTON WOODS | 1225 |
| K8LGN | LAKE LOGAN | 1008 |
| N8SUZ | LAKE ALMA | 540 |
| KA8OCG | BUCK CREEK | CHECK LOG |

| Multi Op-Single Radio-Low Power - in a Park | | |
|---|-------------------|-------------|
| Call | Park Name | Score |
| N8WL | GREAT SEAL | 6200 |
| W8ZPF | ALUM CREEK | 3680 |

| Single Op-High Power - In a Park | | |
|----------------------------------|--------------------|--------------|
| Call | Park Name | Score |
| KD8BBK | SALT FORK | 12375 |
| K8FH | FINDLEY | 10670 |
| N8NPT | PAINT CREEK | 9130 |
| KD8MQ | A.W. MARION | 8415 |
| AE8YL | OAK POINT | 7632 |
| NB8I | PUNDERSON | 7102 |
| K8WTF | LAKE HOPE | 6545 |
| N8RAC | VAN BUREN | 5782 |
| N8W | WOLF RUN | 5588 |

| | | |
|--------|--------------------|-----------|
| KZ8XU | SYCAMORE | 4784 |
| WB3AFS | SOUTH BASS ISLAND | 3936 |
| N8XSF | MARY JANE THURSTON | 3870 |
| W8WZZ | TAR HOLLOW | 2752 |
| KD8HHG | DEER CREEK | 2268 |
| W8MRL | SCIOTO TRAIL | 1984 |
| K8CAV | MT. GILEAD | 1612 |
| AC8NF | BUCK CREEK | 1224 |
| NF8U | MUSKINGUM RIVER | 1200 |
| KC8WIW | ADAMS LAKE | 936 |
| K8AB | WING FOOT LAKE | 850 |
| W8GWI | WINGFOOT LAKE | 546 |
| N8OZB | KISER LAKE | 25 |
| KD8WPI | MIDDLE BASS ISLAND | CHECK LOG |

| Single Op-Low Power - In a Park | | |
|---------------------------------|---------------------|-------------|
| Call | Park Name | Score |
| WC8Z | JOHN BRYAN | 4738 |
| KB8UHN | QUAIL HOLLOW | 2924 |

| In Ohio - Not In Park | |
|-----------------------|-------------|
| Call | Score |
| W8EOT | 3692 |
| K8NYM | 3510 |
| W8GTS | 2610 |
| KC8BTA | 2300 |
| K8IZK | 1599 |
| W8BVH | 1560 |
| WB8FZW | 1184 |
| K8DV | 1054 |
| W8RGE | 1024 |
| NF8O | 1015 |
| KC8EGV | 960 |
| N8OCJ | 928 |
| NR8Z | 868 |
| AC8PO | 729 |
| WO3X | 441 |
| K3YP | 420 |
| W8DEC/M | 324 |
| N8DRG | 36 |
| W8KNO | 1 |



| |
|---------------------------|
| Framed Certificate |
| Certificate |
| Overall High Score |
| AB8DD - 40832 |

| Outside of Ohio | | |
|-----------------|-----------------------|-------------|
| Call | Transmitting From | Score |
| N4NY | SOUTH CAROLINA | 3186 |
| N3CU | PENNSYLVANIA | 2646 |
| VE3PQ | ONTARIO CANADA | 870 |
| W8JRK | MICHIGAN | 784 |
| NW9N | INDIANA | 702 |
| N1JW | CONNECTICUT | 420 |
| N4JED | VIRGINIA | 225 |
| KD2GXN | NEW YORK | 156 |
| KC3ASH | MARYLAND | 100 |
| NG2D | NEW YORK | 49 |
| AJOCM | MINNESOTA | 4 |

Ohio State Parks On The Air 2014

Sorted by Score

| | | |
|------------|---|---|
| MMH | = | Multi Op-Multi-Radio-High Power-In a Park |
| MML | = | Multi Op-Multi Radio-Low Power-In a Park |
| MSH | = | Multi Op-Single Radio-High Power-in a Park |
| MSL | = | Multi Op-Single Radio-Low Power-in a Park |
| SOH | = | Single Op-High Power-In a Park |
| SOL | = | Single Op-Low Power-In a Park |
| OIO | = | Operator-Inside Ohio |
| OOO | = | Operator-Outside Ohio |

| | | |
|--|---|---------------------------|
| | = | Framed Certificate |
| | = | Certificate |

| Category | Call | Operating From | Score |
|----------|--------|----------------------|-------|
| MMH | AB8DD | KISER LAKE | 40832 |
| MSH | KC8OKJ | PIKE LAKES | 12483 |
| SOH | KD8BBK | SALT FORK | 12375 |
| MMH | K8BLP | GUILFORD LAKE | 12012 |
| MMH | K8CY | GENEVA | 11662 |
| MMH | W8MRC | EAST FORK | 11475 |
| MMH | W8VP | WOLF RUN | 10706 |
| SOH | K8FH | FINDLEY | 10670 |
| MSH | W8WDS | INDIAN LAKE | 9310 |
| MMH | W8VTD | MOSQUITO LAKE | 9180 |
| SOH | N8NPT | PAINT CREEK | 9130 |
| MMH | W8CPG | DILLON | 8532 |
| SOH | KD8MQ | A.W. MARION | 8415 |
| MMH | W8O | LAKE MILTON | 8100 |
| SOH | AE8YL | OAK POINT | 7632 |
| SOH | NB8I | PUNDERSON | 7102 |
| SOH | K8WTF | LAKE HOPE | 6545 |
| MSH | K8HO | ROCKY FORK | 6480 |
| MMH | KC8AAV | BURR OAK | 6450 |
| MMH | K8UU | CAESAR CREEK | 6288 |
| MSL | N8WL | GREAT SEAL | 6200 |
| SOH | N8RAC | VAN BUREN | 5782 |
| MSH | WB8CEE | FORKED RUN | 5760 |
| SOH | N8W | WOLF RUN | 5588 |
| MMH | K8BXQ | HARRISON LAKE | 5096 |
| SOH | KZ8XU | SYCAMORE | 4784 |
| SOL | WC8Z | JOHN BRYAN | 4738 |
| SOH | WB3AFS | SOUTH BASS ISLAND | 3936 |
| MSH | W8CWO | JEFFERSON LAKE | 3913 |
| MSH | W8WE | MALABAR FARM | 3895 |
| SOH | N8XSF | MARY JANE THURSTON | 3870 |
| MSH | KE8RV | MADISON LAKE | 3864 |
| OIO | W8EOT | | 3692 |
| MSL | W8ZPF | ALUM CREEK | 3680 |
| MSH | KD8YLU | PUNDERSON | 3627 |
| OIO | K8NYM | OHIO | 3510 |
| MMH | K8QYL | GRAND LAKE ST. MARYS | 3465 |
| MMH | N8BC | HEADLANDS BEACH | 3256 |

| | | | |
|------------|-------------|-----------------------|-------------|
| OOO | N4NY | SOUTH CAROLINA | 3186 |
| MSH | WS8BSA | MOHICAN | 2940 |
| SOL | KB8UHN | QUAIL HOLLOW | 2924 |
| SOH | W8WZZ | TAR HOLLOW | 2752 |
| OOO | N3CU | PENNSYLVANIA | 2646 |
| OIO | W8GTS | OHIO | 2610 |
| OIO | KC8BTA | OHIO | 2300 |
| MSH | W8UKE | STROUDS RUN | 2294 |
| SOH | KD8HHG | DEER CREEK | 2268 |
| MSH | N8SUZ | JACKSON LAKE | 2144 |
| SOH | W8MRL | SCIOTO TRAIL | 1984 |
| MSH | N8SPW | COWAN LAKE | 1764 |
| SOH | K8CAV | MT. GILEAD | 1612 |
| OIO | K8IZK | OHIO | 1599 |
| OIO | W8BVH | OHIO | 1560 |
| MML | W8B | WEST BRANCH | 1440 |
| MSH | W8CCI | HUESTON WOODS | 1225 |
| SOH | AC8NF | BUCK CREEK | 1224 |
| SOH | NF8U | MUSKINGUM RIVER | 1200 |
| OIO | WB8FZW | OHIO | 1184 |
| OIO | K8DV | OHIO | 1054 |
| OIO | W8RGE | OHIO | 1024 |
| OIO | NF8O | OHIO | 1015 |
| MSH | K8LGN | LAKE LOGAN | 1008 |
| OIO | KC8EGV | OHIO | 960 |
| SOH | KC8WIW | ADAMS LAKE | 936 |
| OIO | N8OCJ | OHIO | 928 |
| OOO | VE3PQ | ONTARIO CANADA | 870 |
| OIO | NR8Z | OHIO | 868 |
| SOH | K8AB | WING FOOT LAKE | 850 |
| OOO | W8JRK | MICHIGAN | 784 |
| OIO | AC8PO | OHIO | 729 |
| MMH | N8L | NELSON LEDGES | 704 |
| OOO | NW9N | INDIANA | 702 |
| SOH | W8GWI | WINGFOOT LAKE | 546 |
| MSH | N8SUZ | LAKE ALMA | 540 |
| OIO | WO3X | OHIO | 441 |
| OIO | K3YP | OHIO | 420 |
| OOO | N1JW | CONNECTICUT | 420 |
| OIO | W8DEC/M | OHIO | 324 |
| OOO | N4JED | VIRGINIA | 225 |
| OOO | KD2GXN | NEW YORK | 156 |
| MMH | K8YOJ | LITTLE MIAMI | 132 |
| OOO | KC3ASH | MARYLAND | 100 |
| OOO | NG2D | NEW YORK | 49 |
| OIO | N8DRG | OHIO | 36 |
| SOH | N8OZB | KISER LAKE | 25 |
| OOO | AJOCM | MINNESOTA | 4 |
| OIO | W8KNO | OHIO | 1 |
| MSH | KA8OCG | BUCK CREEK | CHECK LOG |
| SOH | KD8WPI | MIDDLE BASS ISLAND | CHECK LOG |





October 2014 Net Night Quiz Answers

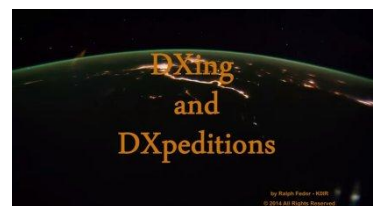
- 1) C – HAM the Space Chimp, born July 1956, died Jan 19, 1983. Launched into space Jan. 31, 1961 as part of America's Space Program. W5LFL – made first 2 meter contact from space – STS9, November 1983.
- 2) B – Frequency Modulation
- 3) C – 1 Watt
- 4) B – Notch Filter
- 5) D – Low angle of radiation
- 6) C – Germany
- 7) C – 50 watts ERP
- 8) A – between 0.10 and 0.25 wavelength above ground
- 9) D – 100%
- 10) C – Technique for home brewing circuit boards
- 11) D – R.L. Drake
- 12) B – 3
- 13) A – OH
- 14) D – all the above happen on 6 – the “Magic Band”
- 15) B – 240 ohms at 5%
- 16) C – CQD
- 17) A – Technique for tuning a manually tuned Tx – Dip the plate, max load (power out)
- 18) C – to compensate for “Doppler Shift” in orbiting Comm Satellites
- 19) A – True mostly used in QRP
- 20) B – QRZ.com 1993
- 21) D – 11 years
- 22) C – 73 ohms
- 23) A – when inductive and capacitive reactance are equal
- 24) B – False



Nifty Stuff on the Web

DXing and DXpeditions 7minute video by Ralph Fedor, K0IR

<http://www.youtube.com/watch?v=k4dJcK-WVRw&feature=youtu.be>



Pasternack Connector Identifier

<http://www.pasternack.com/images/pdf/7%20Connector%20Identifier.pdf>



From EDN - 11 lesser-known, but important, engineers

<http://www.edn.com/electronics-blogs/serious-fun/4436117/11-lesser-known--but-important--engineers>



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, W8PT, WA8AR, N8SY, KB8AMZ, WX1DER, KB6NU, K8MSH, W8KNO, AE8YL, the ARRL & the World-Wide Web.

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



Tom "Parky", KB8UUZ
PCARS Newsletter Editor

Thanksgiving - the old and the new:



*Have a Wonderful &
Safe Thanksgiving
Holiday*

THURSDAY
November 27th
NOON

Join us

FOOD + FAMILY + FRIENDS =

ADVENTURES in

OVER-EATING

TRYPTOPHAN-MENTIONING
Awkward
SILENCE-PARTAKING
weird relative
LEFTOVER CRINGING
AVOIDING
KITCHEN
Loitering

WILD
TURKEY
seeking
EYE ROLLING

Parade
VS.
FOOTBALL
WATCHING

TURKEY
CARCASS-PICKING

Good Times!

*P
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PCARS-10/13/14

The Amelia DiGirolamo Center of Hope

The Amelia DiGirolamo Center of Hope (CoH) is dedicated to enhancing the nutrition of low-income people in Portage County where local food pantries are not present. Hot meals are offered at no cost five days a week and typically include 75-100 individuals per day. Opportunities for socialization, cooking classes and referral services are also offered.

Hot lunches are served to anyone hungry from 11:30am – 12:15pm, Monday, Tuesday, Wednesday and Friday and an early dinner is served Thursday from 4:00-5:15pm. There is no fee.

Groceries are available monthly through the Christian Cupboard. There is no fee, but the Dept. of Agriculture poses income eligibility limits. Pantry hours correspond to the open hours above, but require an appointment to be made in advance for a specific time. It is recommended to call 3-4 days in advance if possible.



How can you help?

Food: non-perishables, especially peanut butter, tuna, cereal, canned food, etc.

Gift cards: Acme or Giant Eagle at \$10.00 increments.

Monetary Donations: which allow us to apply it to the greatest need. 30% of our food is contributed by the community, the remaining 70% involves purchases at the regional food bank where the equivalent of \$4.00 in retail food can be purchased for every \$1.00 donated.

Holiday Give-a-Way for the Center of Hope

Some suggestions for younger children include:

- unwrapped games
- dolls
- stuffed animals
- soccer, basketballs and footballs
- coloring books, crayons and school supplies
- hats, mittens, gloves, snow boots of all sizes

For the tweens and teens;

- hoodies
- DVD's
- personal items like perfume and cologne
- gift cards for fast food restaurants and department stores.

For more information about Community & Family Services and The Center of Hope:
<http://www.fcsohio.org/programs-services/food/center-of-hope/>



Portage County Amateur Radio Service, Inc. (PCARS)

Membership Application [] New [] Renewal

Name: _____ Call Sign: _____ License Class: _____

Address: _____

City: _____ State: _____ ZIP: _____

Phone: _____ E-Mail Address: _____

ARRL Member? [] Yes [] No ARRL Membership Expires Month: _____ Year: _____
Birthday: Month: _____ Day: _____ (don't need year)

A \$5.00 initiation fee will be assessed in the first year of membership for all new members.

Membership year is Jan 1 - Dec 31. Dues are due no later than Jan 31st. Dues are as follows:

Example - Regular Member Pays on Jan 1st \$20 for entire year. If paid on June 1st, \$15 for entire year, etc.

Check One

Pro-Rated Dues Amount:

- | | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Regular Full Membership | Pay January 1 through May 31= \$20.00 (full year) Pay June 1 through August 31 = \$15.00 (last 7 months) |
| <input type="checkbox"/> | Associate Membership | Pay September 1 through November 30 = \$10.00 (last 4 months) Pay December 1 through December 31 = \$5.00 (last month) |
| <input type="checkbox"/> | Regular Senior Full Membership (65+) | Pay January 1 through May 31= \$16.00 (full year) Pay June 1 through August 31 = \$12.00 (last 7 months) |
| <input type="checkbox"/> | Associate Senior Membership (65+) | Pay September 1 through November 30 = \$8.00 (last 4 months) Pay December 1 through December 31 = \$4.00 (last month) |
| <input type="checkbox"/> | Family* Member Call Sign of Regular Member: _____ | Pay January 1 through May 31= \$10.00 (full year) Pay June 1 through August 31 = \$8.00 (last 7 months) Pay September 1 through November 30 = \$5.00 (last 4 months) Pay December 1 through December 31 = \$3.00 (last month) |

(*Family = wife, husband, brother, sister, son, daughter, father, mother that is a licensed amateur radio operator and who's FCC license has the same address as the paid regular member's FCC license)

Checks can be made out to either "PCARS" - or - "Portage County Amateur Radio Service, Inc."

What are YOUR Ham Radio interests:

Signed: _____ Date: _____

Mail to: **Portage County Amateur Radio Service, Inc.**
c/o: Amy Leggiero - KD8SKL
115 Steels Corners Rd. W.
Cuyahoga Falls, OH 44223

| | | |
|--|---------------------------|-------------------------------------|
| Date Received: | <input type="radio"/> New | <input type="radio"/> Renew |
| Initiation Fee: \$ | + | Dues: \$ = Total \$ |
| Paid: <input type="radio"/> Cash | -or- | <input type="radio"/> Check Check # |
| Date Voted: | Results: | Member Number: |
| <input type="radio"/> Database Updated | | |

Rev. 25 Dec 2012



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 2015 | W8PT | Chuck Patellis |
| F.Y.A.O. Chairman | W8PT | Chuck Patellis |
| Historian | KB8SZI | Peggy Parkinson |
| K8BF Callsign Trustee | K8FEY | Bob Hewett |
| K8BF QSL Manager | K8FEY | Bob Hewett |
| Net Coordinator | WB8LCD | Tom Sly |
| Newsletter | KB8UUZ | Tom Parkinson |
| OSPOTA Chairman | KB8UUZ | Tom Parkinson |
| P.I.O. | WA8AR | Tony Romito |
| Secretary | KD8SKL | Amy Leggiero |
| V.E. Liaison | N8RLG | Robert Gurney |
| Webmaster | KD8MQ | John Myers |

| | | |
|--|---------------|------------------|
|  | KC8PD | Jim Aylward |
| | KB8UUZ | Tom Parkinson |
| | WB8LCD | Tom Sly |
| | N8XTH | Deron Boring |
| | N8PXW | Jim Korenz |
| | N8QE | Bob Hajdak |
| | W8PT | Chuck Patellis |
| | K8IV | Ed Polack |
| | 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 |

PCARS
Active
Volunteer
Examiner
Team
Members



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, we can take you off the e-mail list.

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

NLC

THE RADIOGRAM

