



# The RADIOGRAM

When All Else Fails ~ Amateur Radio Works



September 2010 ~ Official Newsletter of the Portage County Amateur Radio Service, Inc. (PCARS) ~ Vol. 5 No. 9

~ 2010 Officers ~

President - Jim Aylward - KC8PD  
 Vice President - Dave Rarrick - WB2DFC  
 Treasurer - Bill Fraedrich - WB9LBI  
 3 Year Trustee - Robert Gurney - N8RLG  
 2 Year Trustee - Ed Pollack - N8EQJ  
 1 Year Trustee - Chuck Patellis - W8PT

~ Meetings & Nets ~

2<sup>nd</sup> Monday of  
 each month. 7pm  
 Thursday nights  
 Nets 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

## President's Column

You may have heard by now that the results have been released for the election of the Ohio Section Manager for the next two year term. If not, I am disappointed to announce that Tom Sly, WB8LCD, one of the founders of PCARS and our immediate past president did not win. I offer my congratulations to Frank Piper, KI8GW, the incumbent who was retained.

The election was exceptionally close as these matters go. Out of just under two thousand votes, the margin of Frank's victory was less than five percent. This is a virtual dead heat, which suggests a couple of important lessons.

First, for all those ARRL members in the Ohio Section who didn't bother to vote, where the heck were you? You had two good candidates to choose from, each of whom would agree that the other would have brought a different vision and approach to Section management.

Frank had the benefit of incumbency, having been selected by the League to replace Joe Phillips, K8QOE, SK, in a process that was, to be charitable, opaque. I hear from a lot of League members that they are unconcerned with operations either in the Section or at Newington. They just feel that it is all so remote from them that it does not really affect their amateur radio activities.

In some ways that may be true. But here was the perfect example of how an action of the ARRL home office had a real impact on those of us in Ohio. As League members we all have an obligation to stay informed and stay involved, because it is our League. We can't sit on the sidelines and gripe about things if we don't even take the time to vote in a Section election. Thanks to all the PCARS members who mailed in their votes!

Second, and maybe more importantly, there is a clear message for Frank in these results. Half of the voting members of the League in this Section think that changes need to be made. These elections are not just about the candidates. They are about the Section's operation and management, and there is clearly no small amount of dissatisfaction with certain aspects of that.



Jim, KC8PD

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Visit the PCARS Website at: <http://www.portcars.org>



### *From the President - Continued from Page 1*

I believe that Frank knows this. But, in fairness to him, there is only one way for him to know just what you think about Section operations and that is to contact him and tell him. I know that he is open to hearing from you and would welcome your comments at [ki8gw@arrrl.org](mailto:ki8gw@arrrl.org).

The selfish silver lining in Tom's loss is that PCARS will benefit from having his time and attention for club operations and activities for the next two years. The Section's loss is PCARS' gain.

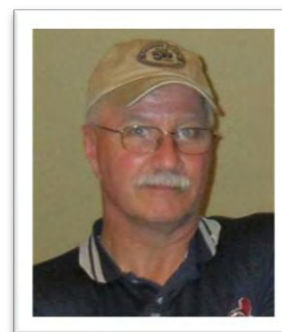
And speaking of PCARS, don't forget that the Ohio States Parks On The Air contest will be on September 11th and the Fifth Annual Two Meter Simplex Sprint will be on October 2nd. We hope to hear you on the air during both of these fun events.

73,  
**Jim, KC8PD**

### *From the Vice President*

It has been a busy summer season. Contests, radio and antenna projects, and club site improvements. The club site is really taking on the K8BF identity. Each time I go to the club site, I see PCARS/K8BF as a gateway to amateur radio fun. I also see an incredible learning experience, and that's an experience every club member can enjoy.

Whether you like operating HF, VHF, or the UHF bands, there's a rig or two at the club site to get you on the air. If you want to operate a high end HF rig, try the Yaesu FT-1000. If you want to see what an affordable HF station is like, check out the soon-to-



**Dave, WB2DFC**

be arriving ICOM IC-718. And from the "most VHF/UHF bang 'o the buck" category, the Yaesu FT-8900. So I invite you to try them out.



The referb bug bit at the last meeting when Jeff Covelli presented the vintage HF gear restoration program. I must say, the darkness of the basement did not deter me from my mission. I looked and looked and looked... then, there it was! That old Kenwood TS520S I had bought years ago as a restoration project. I plugged it in waiting for smoke (I don't have a variac) and heard some very pleasant sounding static, then some hetrodyne, the some sideband, and finally... yep, CW. Alas, it works.... but needs a lot of attention.

Well, it's coming along nicely, the controls will be taken apart soon for a cleaning and then I will attempt a cabinet re-painting. I am being very careful, as Jeff suggested, using very mild cleaners and 4:1 diluted Windex. This is becoming a very rewarding pass-time. I have attached a pic or two.... and I will keep the updates coming.



The September meeting presentation topic will be from Dennis, AI8P. Dennis has many ham radio experiences he can share but will narrow this one to his St Thomas DXpedition / contesting adventure. I am certainly looking forward to many terrific photos and his narrative. Please plan on attending the meeting.

Hey.... keep those shack shots and articles coming. Send them to Parky and he will get you into print.... who knows, you could become famous!

All for now, 72/73,  
**Dave, WB2DFC**

## Happy Birthday PCARS Members

PCARS members having a birthday in September:

<b>KE8G</b>	<b>James Blanca</b>
<b>KD8LEB</b>	<b>Alan Zielinski, Sr.</b>
<b>WB8VYW</b>	<b>Mike Hutsler</b>
<b>KD8MBH</b>	<b>Martin Fodse</b>
<b>WD8BIW</b>	<b>Karen Warner</b>
<b>KD8FME</b>	<b>Jim Conlin</b>
<b>KD8HGI</b>	<b>Frank Sheline III</b>
<b>KD8JRE</b>	<b>Michael Harris</b>

<b>N8KBX</b>	<b>Bob Magree</b>
<b>KD8JRK</b>	<b>Tom Steele</b>
<b>N8RLG</b>	<b>Robert Gurney</b>
<b>NT8K</b>	<b>Bob Whiddon</b>
<b>KC8UNR</b>	<b>Mike Cibella</b>
<b>KD8VT</b>	<b>James Andrews</b>
<b>KC8KYW</b>	<b>John Kametz</b>

**September 11<sup>th</sup>**



**OSPOTA**



## Ohio Re-Elects Frank Piper, K8GW as Section Manager

On Tuesday, August 24<sup>th</sup>, the ARRL announced the Summer Section Manager election results:

*“Incumbent Ohio Section Manager Frank Piper, KI8GW, of Pickerington, was re-elected to a new full two-year term of office with 978 votes.*

*His opponent, Thomas Sly, WB8LCD, of Kent, garnered 887 votes. Piper was appointed by ARRL in July 2009, to fulfill the term of office left vacant after then-Section Manager Joe Phillips, K8QOE, passed away.”*

I am certainly disappointed, but the results speak for themselves. I will support Frank as the OH Section Manager, and I encourage you to do the same. It's the best way to offer our support for the ARRL – the *ONLY* organization representing the interests of Ham Radio. Whether you voted for Frank, against Frank, didn't vote, or are not an ARRL member with voting privileges, Frank is our representative. Make sure Frank knows how you feel about the issues that affect us.



Tom, WB8LCD

Frank and I certainly have a different approach to the issues and the management of the Ohio Section. That's OK and I'm sure that letting Frank know how you feel about things will influence his opinion. I can tell you that Frank is honest and fair. His motivation for running for SM was the same as mine: we want to work for the good of the organization and the hobby, without interest in our own promotion.

Frank has noticed how close the final tally was. I have noticed how less than 2000 of the 6000+ OH section members even thought it worth their time to cast a ballot. There is much work to be done, and although I am not an elected ARRL official, I will continue to do what I can to promote Amateur Radio and the ARRL both within it's ranks and to the public at large.

To those of you who supported and voted for me, I give you my most sincere Thanks. To all of you, I encourage you to get on the air, enjoy your hobby and enjoy the friendships and camaraderie that can be had among our ranks. Participate and be involved in the programs of your local club. Become a part of ARES and RACES (where available) and learn to be a more proficient communicator. Participate in the classes offered to new and prospective hams, help build our ranks. When you meet a new ham, on the air or in person, be an inspiration and a mentor. Welcome new hams into the hobby and help them to become a contributing member of our fraternity.

Ham Radio is the greatest Hobby in the world! You are all my best friends.

73,  
**Tom, WB8LCD**



## Mark Your Calendars



On the calendar for upcoming meeting topics and activities are:

- September 11<sup>th</sup> - **Ohio State Parks On The Air** contest
- September 13<sup>th</sup> - meeting - Dennis, AI8P - **DXpedition & Contesting from St. Thomas**
- October 2<sup>nd</sup> - **PCARS 2 Meter Simplex Contest**



## Charlie the Tuner's HF High Lites

It's about two weeks before PCARS' September operating event, Ohio State Parks On The Air, commonly referred to as OSPOTA. The goal there is to work as many other stations located in one of Ohio's beautiful state parks. So you shouldn't be doing what I did during the first OSPOTA and work DX stations. But that is the chance that you take when dealing with 40 meters and a dipole which should be low enough to the ground to work as an NVIS antenna, but does not.

But if you do happen to have some DX stations coming back to your CQ OSPOTA, let's hope that it's a rare DX that you need for DXCC. There is scheduled to be a lot of interesting DX to work during this month. So let's get to it.

I want to thank the following for the forecast reports for September and beyond: the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network (especially Tedd Mirgliotta – KB8NW) for the following DX and IOTA information.

Please remember that this report can contain some erroneous information due to the simple nature of bad info or busted call signs, so do yourself a favor and please adhere to the old adage of "Work First Worry Later" (WFWL).



Charlie the Tuner, W8PT

**DX PAPER CHASE** – Still Reminding: 4M200/YV200/YW200, VENEZUELA (Special Event). Look for several different stations to be active until December 31st, to celebrate the 200th anniversary of Venezuela's Independence. Some of the stations that have been active are:

- 4M200AJ - Operator Manuel; Activity mainly on PSK on 40/30/20/15/10m - QSL via YV5AJ.
- YV200D - Operator Paolo; Activity mainly on RTTY on 30m; QSL via YV1DIG.
- YW200A - Operator Alfredo; Activity on PSK and SSB on 20/15m; QSL via YV5SSF.
- YW200ER - Operator Elvis; Activity on SSB on 40/20/15m; QSL via YV8ER.
- YW200L - Operator Frank; Activity on RTTY and PSK, on 30/15m; QSL via YV5LI.
- YW200T - Operator Juan; Activity on SSB, RTTY and PSK, on 40/30/20/15m; QSL via YV5JBI.

A "Bicentenary of Venezuelan Independence Award" is available by working all the 6 special callsign: 4M200AJ, YV200D, YW200A, YW200ER, YW200L and YW200T. More information is expected to be available at:  
<http://www.radioclubvenezolano.org/concurso.htm>

**3D2, FIJI** - DK1II, will once again be active as 3D2II between August 22nd through September 10th. Activity will be limited to his spare time from Lautoka on the main island of Viti Levu (OC-016), because he is involved with the Rotary Club of Lautoka in a project to build Rotahomes <see [http://rotarycc.com/html/rotahomes\\_project.html](http://rotarycc.com/html/rotahomes_project.html)>. Franz will be on CW, using his K3 radio and 12m DX-Wire pole for 10-40 meters. QSL via his home callsign or the LoTW.

**8P, BARBADOS** - G0OPA, will be active as 8P9LJ between Sept 12th and Nov 8th. No other details were provided.

**9M2/9M8 AND V8, WEST/EAST MALAYSIA AND BRUNEI** - DF5UG, will once again be active from West & East Malaysia (9M2QQ, 9M8QQ) and Brunei (V85QQ) for the next three weeks. No other details were provided.

**GM, SCOTLAND** - Stations GM0DHZ and GM3VLB are planning to activate many SCOTIA (SCOTtish Island Award) islands during a 3 week DXpedition in September (between 2-20th) in two IOTA groups -- Orkney (IOTA EU-009, SCOTIA OI14) and Shetland (IOTA EU-012, SCOTIA SI11) Islands, using the callsigns GM0DHZ/p and GM3VLB/p. All islands are WX dependant. The following suggested frequencies that they will focus on: CW - 1820, 3520, 7020 and 14020 kHz and SSB - 1830, 3700, 7060 and 14257 kHz. Alex states that they may possibly use higher bands (17m - plus).

## **IOTA News**

**AS-025. (RARE IOTA!)** - UA0FUA, from the town of Kurilsk on Iturup Island (RDA SL-14 and RR-15-04) in the South Kuril Islands Group. Activity has been on 20/10 meters SSB and 20 meters CW. Watch mostly between 1200-1730z.

**EU-008.** Six members of the Middlesex DX Group will be active as GB2MUL from a cottage in West Carsaig Bay on the Isle of Mull (WAB NM52, SCOTIA CN10 and OS REF NM54521) between September 18-24th. Operators mentioned are 2W0VAG, G0KLX, G1KAW, M1PRO, 2E1IDC and G7AFC. Activity will be on 80-10 meters using SSB and the Digital modes, as well as 6 and 2 meters, depending on the propagation. There will also be a chance for the team to visit the Tresnish Isles (EU-108) dependant on the weather. QSL via 2W0VAG, by the Bureau or direct. For more details and updates, visit their Web page at: [http://www.dxcc.myfreeola.com/gb2mul\\_dx-pedition.html](http://www.dxcc.myfreeola.com/gb2mul_dx-pedition.html)

**EU-029** - DD2ML and DD7MR will be active as 5P5L from Lolland Island (DIA SJ-015, WLOTA LH 2773, Grid Loc. JO55) between September 4-18th. Activity will be 80-2 meters using CW, SSB and RTTY. QSL direct or by the Bureau to DD2ML.

**EU-057** - DL2AGB, will be active as DL2AGB/p from Ruegen Island (O-007 for the German Islands Award, WLOTA LH 1712) between Sept 12-16th. Activity will be on 80-10 meters, propagation permitting. QSL via his home call sign, by the Bureau or direct.

**EU-123** - (Update) Look for 13 members of Sands Contest Group and four members Workington Radio Club, along with Brendan Minish/EI6IZ to be activating the Isle of Aran off the coast of southwestern Scotland September 18-25th, operating under the call sign MM0SCG. They will be operating on VHF, HF, SSB, CW and the Digital modes. The island has lighthouses and the following reference numbers are good: SCOTIA Island number CS14 and IOSA number CL01. They will also activate SOTA summits, time permitting. The team will be using 4 Elecraft K3 radios with amplifiers and a Yaesu FT2000D. Most of the antennas will be verticals, but they intend to experiment with phasing these where possible. The daily logs will be uploaded to their Web site at: <http://www.m0scg.org.uk> For updates, visit their BLOG page at: <http://m0scg.blogspot.com/2010/08/dxpedition.html>

**KH9, WAKE ISLAND** – (Reminder) WA2YUN, will once again be active as KH9/WA2YUN from Wake Island (OC-053, USI OI-012S, WLOTA LH-2293) for about one year while on work assignment. Activity will be limited to his spare time. QSL via K2PF.

**TF, ICELAND** - DL2JRM and DO6XX are to be active as TF/homecall/p from Iceland (EU-021, WLOTA LH 2975) between September 18-23rd. Activity will be on 80-10 meters CW, using 100 watts into GP. QSL via their home call signs, direct or by the Bureau. NO eQSL!! See Rene's Web site at: <http://www.qsl.net/dl2jrm>

**TO2, MAYOTTE** - PY2AAZ/AC2AC, PY2TNT, PY2XB and PY2WAS will be active as TO2FH between September 3-10th (not in 2011 as first announced). No other details were provided.

**VK0M, MACQUARIE ISLAND** - Reports indicate that Kevin, VK4KEV, is expected to be operating as VK0KEV from Macquarie Island (AN-005) sometime between the end of October and beginning of December 2010 for possibly up to 18 months. Activity will be mostly on 40 and 20 meters using SSB and the Digital modes. Presently, Kevin is operating as VK4KEV/VK7, in Hobart, Tasmania, while undergoing training for his upcoming long stay on Macquarie.

Well that's it for September. I do apologize for missing the August column, but it was unavoidable. I thank Parky (KB8UUZ) for stepping in for me. 73 for now and Gud DX!!

**Chuck, W8PT**  
*aka 'Charlie the Tuner'*





## *Antenna Update*

### *Progress continues on the PCARS Antenna Farm*

We have been relying on the Buckmaster off-center fed multi-band wire antenna that runs roughly east to west with the short leg up about forty or so feet on the tower and the other end tied off on the roof of the office building. It has been a solid performer and is designed to work on 80, 40, 20, 17, 12, 10, and 6 meters without the need for a tuner.



There is now a second antenna installed on the roof of our building. It is a Hustler 5-BTV (80, 40, 20, 15 and 10 meters). The antenna is mounted on a square base donated by Jerry, N8BHU, and the base is held firmly in place by eight concrete blocks. No guy lines were necessary. A field of random length radials was used.



The roof work was performed by Dave, WB2DFC, and Mike, KD8FLZ. The ground crew included Russ, KD8LDY, Martin, KD8MBH, Mike, KB8TUY, and Jim, KC8PD. The antenna tuned up decently on all bands except for twenty. It is still a bit moody on that band.

The Tower Team continues its regular Tuesday evening work detail. Plans are for the tower and tri-band (plus two) beam to be installed adjacent to the north wall of the building on a concrete base and then be secured to the side of the building. The beam will be about fifty feet off the ground, plenty of height to be above the roofline of the main building.



All of the tower sections have been sanded, cleaned, primed and painted as well as the tilt base. The rotor has been overhauled and rebuilt. Next up will be excavating the hole for the base, pouring the concrete and installing the tilt base and wall bracket. We also need to build the top section for the tower including the base plate and thrust bearing plate for the rotor. Then it will be time to reassemble the beam, mount it on the tower and hoist it into place.



With luck we will be able to accomplish this in the next six weeks. Let me know if you would like to help out with this project. Al, AB8AA, did just that, offering to construct the tri-plexer that will allow us to use all three of fundamental bands on the beam simultaneously.

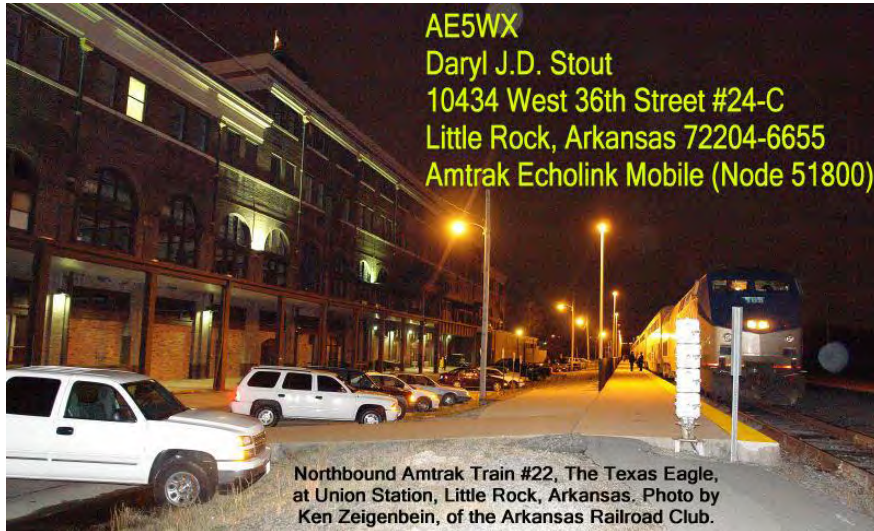
*Jim, KC8PD*



## On The Road Again

As in years past, I will once again be Amtrak Echolink Mobile on a trip with my Mom. This year, it's to the Clive Cussler Collector's Society 2010 Convention in Scottsdale, Arizona. We'll take Amtrak from Little Rock, Arkansas to Maricopa, Arizona... then ground transportation from Maricopa to Scottsdale, just northeast of Phoenix. So disregard any stops north of Little Rock or west of Maricopa in the attached timetable for this trip. Times in the timetable are prevailing local time... for this trip, it'll either be Central Daylight Time (1 hour

behind Ohio), Mountain Daylight Time (2 hours behind Ohio), or Mountain Standard Time (3 hours behind Ohio)(the same as Pacific Daylight Time)... the latter in Arizona.



The other attached photo is the northbound Texas Eagle, Amtrak Train #22, at the Missouri Pacific depot in Little Rock...the photo is by Ken Zeigenbein, former editor of the Arkansas Railroader, newsletter of the Arkansas Railroad Club, Little Rock, Arkansas. At one time, the Missouri Pacific Depot was noted in Ripley's Believe It Or Not as the largest

station in the United States that served only one railroad. I added my ham radio information via the CompuPic graphics program. In this case, my callsign stands for "Amtrak Excursion Five Whistled Crossings" (hi hi). On some rail lines, they use "W" for the signpost to warn the engineer to sound the locomotive horn of an approaching highway grade crossing... and on others, an "X" is used. The required locomotive horn blast is two longs, a short, and a long... the latter continuing through the crossing itself. Ironically, this is the same syntax as Morse Code for the letter "Q".

The Texas Eagle, which runs from Chicago, Illinois... through St. Louis, Missouri... Little Rock, Arkansas... Dallas/Fort Worth, Texas... to San Antonio, Texas... joins The Sunset Limited at San Antonio, Texas to head westward through El Paso, Texas... Tucson, Arizona... to Los Angeles, California. "Servicing stops" along the route, where the train stops for a time to take on water, fuel, and supplies, are at St. Louis, Missouri... Fort Worth, Texas... San Antonio, Texas... El Paso, Texas... and Tucson, Arizona... before the trains final destination in Los Angeles, California. If the train is running ahead of schedule at times, I may be able to get additional operating times, if I can get an aircard connection.

While the Texas Eagle runs daily between Chicago and San Antonio, it connects with The Sunset Limited 3 days a week at San Antonio. The Sunset Limited runs 3 days a week between New Orleans, Louisiana, and Los Angeles, California. At one time, The Sunset Limited ran from Miami, Florida to Los Angeles, California. The route was shortened with the eastern endpoint at Orlando, Florida... but ever since Hurricane Katrina, New Orleans has been the eastern endpoint. They are trying to re-establish the route east to Florida, but I don't know how long that'll take.

Unfortunately, on the train, the only time I can actually get on the internet with the aircard and the laptop computer is in an urban area. And, depending on the train schedule, I really can't give an exact time as to when





I'll be on. However, you can look for AE5WX on Echolink (node 51800) as "Amtrak Mobile" at times on Sept. 7 and 8, 2010... then on the return trip at times on Sept. 13 and 14, 2010. I will be operating from my Sleeping Car compartment on the upper level of the train.

While in Scottsdale, I will be noted as "2010 Clive Cussler Conv.", or something to that effect. With the schedules, I don't know if I'd be able to check into the evening nets. Arizona is on Standard Time year round... and during this trip, they'll be 3 hours behind Ohio time. If possible, I hope to hook up with some hams in the area for an "eyeball QSO".

I will have Amtrak Guest Rewards miles for a trip sometime in 2011, but it's too early to plan for that. That trip will likely be my last one that I can take, due to financial and health issues. But, I will remain "The Conductor" on the Railroads Net, which meets every Monday at 9pm Eastern Time...either on the W9DHI-R (node 476144) or AB9ON-R (node 517774)... where we discuss anything and everything related to trains and railroading. If you know anyone who would be interested in working an "Amtrak Echolink Mobile" station... or in the Railroads Net on Echolink, please pass this information along to them.

73,

**Daryl, AE5WX**  
Little Rock, Arkansas



## ***PCARS VE Test Sessions***

PCARS VE sessions are scheduled for the first Saturday of every even numbered month.

### ***October 2 - December 4***



VE sessions for Technician, General & Amateur Extra start at 10:00 am at the **Center of Hope**: 1034 West Main St. in Ravenna. Walk-ins are always welcome. *Please* bring your original FCC license, a copy of your FCC license, your FRN number if you are already licensed or registered with the FCC (or your SSN number if you're not registered), your original CSCE (if you have one), a copy of your CSCE (if you have one), a photo ID, and \$15.00 in cash or a check for \$15.00 made out to "ARRL-VEC". We look forward to seeing you there!!!!

**Jim, KC8PD**  
PCARS VE Team Liaison



## ***EmComm***

From Friday, August 6th until Sunday the eighth, what is likely the largest emergency preparedness exercise ever held in Ohio, Operation Talon Shield 2010, was staged at Camp Ravenna, the Ohio National Guard training facility that most of us know as the former Ravenna Arsenal. The premise of the exercise was that an F-4 tornado had ripped through a town in northeast Ohio causing substantial damage. A simulated partially collapsed structure has been constructed at Camp Ravenna for search and rescue training.

This multi-state, multi-jurisdictional exercise was designed to test the ability of the Ohio National Guard's Joint Task Force, 73rd Troop Command, to command and control the operations of other Guard units from Ohio, Illinois and West Virginia. The Guard JTF's were created to support civil authorities responding to major disasters by providing staff trained in tasks such as search and rescue, decontamination, and HAZMAT operations, just to name a few.

In addition to the Guard units, the FEMA sponsored Task Force One, an Urban Search And Rescue (USAR) team, based in Pickerington was mobilized and responded to the site, as did the Ohio EMA's Mass Fatality mobile mortuary team.



Local and regional first responders, search and rescue and HAZMAT teams were the first to be deployed at Camp Ravenna, just as would happen in a real-world event. As they completed their shifts they were relieved by Guard or Task Force One teams.

All of the operations were conducted under the direction of an Incident Management Team (IMT) pursuant to the Incident Command System (ICS). This meant that all public sector and military units operated under the direction and control of civil authorities: the Incident Commander and the staff of the IMT.

The local planning and execution of this event were managed by the Portage County Office of Homeland Security and Emergency Management (EMA). John Mason, the Deputy Director of the Portage County EMA, had the primary local responsibilities for planning and execution of the exercise.

All in all there were estimated to be around twelve hundred participants in this exercise, primarily at Camp Ravenna but also at the Portage County's EMA's Emergency Operations Center which was activated for the exercise.

What does this have to with EmComm? The Portage County EMA/RACES unit was deployed to provide communications support for the event. The primary task for RACES members was the operation of the radios and related equipment on the county's Mobile Command Center. As needed they also employed amateur radio for supplemental communications.



This was a major step forward for RACES members as they had the opportunity to be both radio operators and communicators on public safety systems. They filled a critical need for the EMA which otherwise does not have any communications staff.

It also provided an excellent demonstration to representatives of all other agencies on site of the communication skills of the ham radio operators on the RACES team. Positive feedback was received from all of observers who were impressed that a group of volunteers were willing to take on any tasks they were given and then perform them well.

RACES members at Camp Ravenna that weekend included Mike, KD8FLZ, Bill, WB9LBI, Sandy, KD8JCY, John, KC8KYW, Robert, N8RLG, Bob, N8KBX, Mike, KB8TUY, and Martin, KD8MBH. All of them found this to be an invaluable learning experience where their service was truly valued and appreciated.

If you would like more information about how you too can become a member of RACES, send me a note or give me a call.

***Jim, KC8PD***  
**Radio Officer, Portage County EMA/RACES**  
**EC, ARES® of Portage County**  
**Emergency Operations Officer, Ohio Army MARS**

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## PCARS Yahoo Site

Members are reminded that PCARS has a Yahoo Group dedicated to PCARS information. It's a great site to sign up for and get on the mailing list. Check out the PCARS Yahoo Group at: <http://groups.yahoo.com/group/PCARS/>.



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## Thank You PCARS

Wanted to say Thank You for the Get Well Cards my Dad Bob (K8RLS) received. It does the heart good that such as Hobby we're in finds so many who truly have Hearts of Gold.

God Bless You All In PCARS  
**Tom, KD8JRK**

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## PCARS Triplexer Project - Part 1

This project is to build a Triplexer and Band-Pass filters for use on Field Day. The Triplexer is from an article in the June 2010 issue of QST. The Band-Pass filter is from a set of articles in the May and June 1998 QST. This will allow three transmitters on one antenna.



**Allan, AB8AA**

The first thing was to get a part list made up and order parts. Some will come from RF Parts, from Mouser, from DigiKey and the toroids come from Micrometals. When this project is finished there will be a parts list and drawings

for the mechanical parts available for anyone that wishes to build one.

I started the project by building the three coils for the Triplexer. They are made from plastic tube and rod. First I drilled and tapped the rod for an 8-32 screw. Then cut them to 3/8 inch length. Now it was time to make the coil forms. They are all 2 inches in length, other than that the three are all different.



The coil form has a thread cut into it to guide the wire winding. This will make it easier to wind the coil.



The 10 Meter coil has 12 turns of 16 Ga. wire at 11 TPI.

This is all for this month. 73,

**Allan, AB8AA**



## Paper Chase

September brings one of the most remembered events to the airwaves. It has been around for only eleven years but it has a history that goes back many decades if not more than a century. The event is the "Route 66" Special event. The first event was in 2000 as a dry run for the 100th anniversary of the road the following year.

My first experience with the road was in 1957 when I was transferred from the USS Toledo (CA-133), home ported in Long Beach, to NTC Bainbridge, Maryland. I was paid 5 cents a mile and given seven days to drive across the county and the only way to get there was Route 66. I must have made it as I am here today.

Only parts of the road exists today as the Interstate system has replaced most of it. It brings back many memories to those that traveled it and especially the servicemen who were stationed along its path. Because it was before air-conditioning, if you could; you would drive at night and of course the windows were down.

The first year of the special event, it was sponsored by the Northern Arizona DX Association and they had no idea how successful it would be. All you had to do was to make a contact with any of the twelve cities, CW or SSB, and mail in your log and you would receive a certificate. The event turned out so successful and so many people sent in their request without a contribution or postage that the DX Association was broke and members contributed their own cash to keep it afloat. Since that time, you need to send in \$4 with your request and they provide everything. This year the event is sponsored by the Citrus Belt Amateur Radio Club.

This year there will be 13 cities and 3 rovers involved and the modes are CW, SSB, Repeater and Mobile. They will be on the air September 11th through the 19th.



If you are working CW, you will find the stations near: 3.533, 7.033, 10.110, 14.033, 18.080, 21.033, 24.900, 28.033 and 50.033.

Likewise if you are working SSB you will find the stations near: 3.866, 7.266, 14.266, 18.164, 21.366 (I have even heard them down around 21.266), 24.966, 28.466 and 50.166.

For a repeater, you will have to find an echolink station in each of the cities along the route. Digital contacts will be on the standard digital frequencies.

More information can be found at:

<http://www.w6jbt.org/Route66OTAEvent/General%20Pages/Guidelines.htm>

Check out the certificate it is worth of the event!

*Relive the Ride ... Get your kicks on Route 66!*

*Joe, W8KNO*



## Second Annual Mobile Radio Cruise-In

This was the second year for what has proven to be a highly popular summertime event: the PCARS Mobile Radio Cruise-In. It is a great chance to meet hams from all over Northeast Ohio and to check out a wide variety of mobile rigs.

This year we had over fifty people in attendance and a lot full of cars and trucks sprouting antennas. There was everything from an HF rig with a 500 watt amp to a mobile toilet.



Awards this year went to the Most Unique, Most Professional and Ugliest installations. Not hard to guess which one was the ugliest!

Thanks again to Ted Roen and the staff of the Ravenna A&W for hosting this event. See you next year!



*Jim, KC8PD*



## Special Cruise-In Visitor

Up in the Sky - It's a Bird, it's a Plane - Nope a Helicopter!! AND it circled the PCARS Cruise-In. The pilot was none other than our own PCARS member Ray, KD8DFL. We later learned that he would have liked to land and say hello, but his flight plan was already determined by Uncle Sam. If he would have landed at the PCARS Cruise-In, I'm sure he would have won the most unique radio installation!!!!





## Hamfests

**09/12/2010 - Findlay Radio Club** - Hancock County Fairgrounds - 1017 East Sandusky St. - Findlay, OH 45839 - Website: <http://www.findlayradioclub.org> - Contact: Eric Wilkinson , K8ERW - PO Box 587 - Findlay, OH 45839 - Phone: 567-429-9077 - Email: [hamfest@findlayradioclub.org](mailto:hamfest@findlayradioclub.org)

**09/26/2010 - Cleveland Hamfest and Computer Show** - Cuyahoga County Fairgrounds - 164 Eastland Rd. - Berea, OH 44017 - Website: <http://www.hac.org> - Contact: William Beckman , N8LXY - Hamfest Association of Cleveland, Inc. - PO Box 81252 - Cleveland, OH 44181-0252 - Phone: 800-CLE-FEST - Email: click "e-mail" on Web site

**10/16/2010 - Ohio Section and ARES® Conference** - Educational Service Center of Central Ohio - 2080 Citygate Dr. - Columbus, OH 43219 - Website: <http://www.arrl-ohio.org> - Contact: Scott Yonally , N8SY - 258 Valley Hi Dr. - Lexington, OH 44904 - Phone: 419-884-5105 - Email: [n8sy@arrl.net](mailto:n8sy@arrl.net)

**10/31/2010 - Massillon Amateur Radio Club** - Massillon Boy's & Girl's Club - 730 Duncan St. SW - Massillon, OH 44646 - Website: <http://www.marcradio.org> - Contact: Terry Russ , N8ATZ - 3420 Briardale Dr. NW - Massillon, OH 44646 - Phone: 330-837-3091 -Email: [truss@sssnet.com](mailto:truss@sssnet.com)

### PCARS Thursday Net Control



September	
2	WB2DFC
9	KC8PD
16	KD8FLZ
23	KB8UUZ
30	WB8LCD

October	
7	N8RLG
14	KC8PD
21	KD8JCY
28	WB2DFC



The PCARS net is **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 shot, please contact me at: [WB8LCD@portcars.org](mailto:WB8LCD@portcars.org) and take one of the "open" slots in the roster. Everyone who is a club member is welcome to have a turn!

**Tom WB8LCD**  
PCARS Net Control Coordinator

### PCARS Patches & Stickers



PCARS logo patches & stickers are now available!! Put the patch on your hat, your shirt, your jacket and show off that PCARS logo!! The patch is approximately 3". The embroidery on the white patch is in Red, Black and Blue. Cost for a patch is \$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! If you would like to order by mail contact the club Treasurer: Bill, WB9LBI at: [WB9LBI@portcars.org](mailto:WB9LBI@portcars.org)





## September Contest Calendar

September 2010	
All Asian DX Contest, Phone	0000Z, Sep 4 to 2400Z, Sep 5
MI QRP Labor Day CW Sprint	2300Z, Sep 6 to 0300Z, Sep 7
ARRL September VHF QSO Party	1800Z, Sep 11 to 0300Z, Sep 13
Ohio State Parks On The Air	1600Z - 2400Z Sep 11
North American Sprint, CW	0000Z-0400Z, Sep 12
Washington State Salmon Run	1600Z, Sep 18 to 2400Z, Sep 19
North American Sprint, SSB	0000Z-0400Z, Sep 19
Run for the Bacon QRP Contest	0100Z-0300Z, Sep 20
CQ Worldwide DX Contest, RTTY	0000Z, Sep 25 to 2400Z, Sep 26
Texas QSO Party	1400Z, Sep 25 to 2000Z, Sep 26

*Yes* - there are even more than what are listed here.  
Check the internet for contest activity from around the world.

## A Wizard's Words Finally Set Free

Three men use some modern-day inspiration to retrieve 80-year-old Edison radio broadcasts from old technology.

SCHENECTADY-- To hear an ailing 82-year-old Thomas Edison speak, with the great inventor's voice, wheezy and high-pitched, growing husky and choked as he praised his good friend Henry Ford who stood alongside President Herbert Hoover on a stage on Oct. 21, 1929 is catching lightning in a bottle.



Engineer Russell DeMuth, center, with engineer John Schneider and historian Chris Hunter, sets up a film in the machine they built to read the optical audio film that was over 80 years old at the Schenectady Museum & Suits-Bueche Planetarium. The film contains WGY broadcasts from the early days of radio. (Skip Dickstein/Times Union)

Earlier that night, the crowd heard Albert Einstein offering words of praise for Edison in German from Berlin.

It is contained in one of the world's oldest surviving radio broadcasts, recorded on an obscure machine that General Electric developed in 1922 and called a pallophotophone -- which means "shaking light sound" in Greek.



Engineer Russell DeMuth sets up a film in the machine he built to read the optical audio film that was over 80 years old at the Schenectady Museum & Suits-Bueche Planetarium in Schenectady. (Skip Dickstein/Times Union)

Listening to the elderly Edison lose his place, become confused and nearly weep over the depth of his admiration for Ford more than 80 years after he spoke those heartfelt words to a live audience has the power to cause a lump to rise in one's throat.

This aural treasure might have remained lost in history's silent dustbin were it not for a curious archivist, a dogged engineer and a fixer.

The unlikely resurrection story began when archivist Chris Hunter grew curious about 13 undocumented film canisters tucked away on a bottom shelf among 5 million items in the basement archives of the Schenectady Museum & Suits-Bueche Planetarium.

Hunter had no idea what they contained, aside from a few vague jottings that indicated they involved radio programs from the 1920s.



Engineers John Schneider, left, and Russell DeMuth look over the machine they built to read newly discovered optical audio film that was over 80 years old at the Schenectady Museum & Suits-Bueche Planetarium in Schenectady. (Skip Dickstein/Times Union)

while being wooed as a trustee. Hunter shared with Schneider his interest in the long-forgotten film canisters and dilemma in trying to crack the code. It had already stumped sound engineers and technology experts Hunter had contacted.

Schneider knew who to draft for the assignment, his old co-worker, Russ DeMuth, an engineer at the GE Global Research Center in Niskayuna and a technology expert some have likened to a latter-day "wizard of Menlo Park." DeMuth is no slouch in the patent department himself, with seven patents and four pending. The two worked together in the control systems lab at GE for many years and had their hands in everything from research on jet engine and wind turbine blades to charging stations for electric hybrid vehicles.

DeMuth accepted the challenge to try to unlock the film canister mystery. Using modern digital equipment and tinkering for hundreds of hours spread out across two years of nights and weekends, he created what is believed to be the only functional pallophotophone in the world. With that, the trio magically loosed Edison's voice, which had essentially been frozen in time for more than 80 years.

They lost their way plenty of times during the project, but never their faith. DeMuth is not only



Engineer Russell DeMuth sets up a film in the machine he built to read the optical audio film that was over 80 years old at the Schenectady Museum & Suits-Bueche Planetarium. It contains radio broadcasts dating from 1929 that include Thomas Edison and Albert Einstein. (Skip Dickstein/Times Union)

There was an even bigger obstacle to solving the mystery. He had no machine that could play them.

He might as well have been looking at ancient Egyptian hieroglyphics. The canisters were not going to give up easily their mute secrets.

Enter John Schneider, a former GE engineer and holder of 16 patents, who was taking a tour of the museum and its archives



A film runs in the machine that was built to read the optical audio film that was over 80 years old at the Schenectady Museum & Suits-Bueche Planetarium. (Skip Dickstein/Times Union)

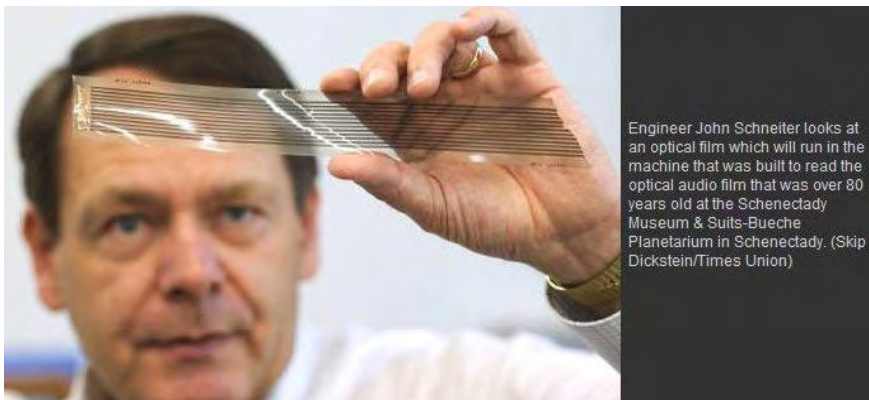


brilliant, he also happens to be very stubborn. What he eventually fashioned was so original they didn't know quite what to call it. They settled on "the Gizmotron."

The pallophotophone was a technology developed by GE engineer Charles Hoxie in the early 1920s and it bridged the gap between cinema's silent era and "talkies." The big, boxy recorder used 35 mm sprocketless film, with each strip containing a series of eight to 10 parallel soundtracks etched on acetate and nitrate film. It used light bouncing off a tiny mirror to expose each strip of film and to capture the sound.

DeMuth had very little to work with, aside from a few archival photographs of the original machine. He had to scour eBay for old film reels and other long-out-of-production parts to build his device. He was not at all confident of its functionality.

Using modern motors and computer controls, DeMuth cobbled together a machine that used a photo transistor in place of a photoelectric cell that read the recordings originally.

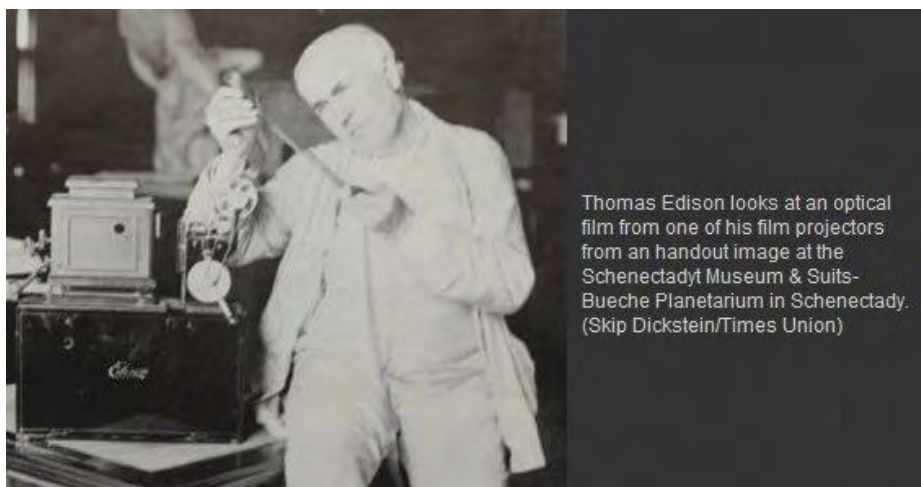


Engineer John Schleiter looks at an optical film which will run in the machine that was built to read the optical audio film that was over 80 years old at the Schenectady Museum & Suits-Bueche Planetarium in Schenectady. (Skip Dickstein/Times Union)

"We didn't know whether this thing was going to work at all," DeMuth recalled. "We were prepared not to hear anything." When Edison's newly digitized voice rose, Lazarus-like, from a computer speaker, it was a Eureka moment for the three collaborators. "I got goose bumps when I heard it," Schleiter said. "Our jaws just dropped," DeMuth said.

The canisters's 20 hours of radio broadcasts were first heard on WGY radio station in Schenectady between 1929 and 1931. Several feature Edison, the GE founder and holder of 1,093 patents, widely regarded as the greatest inventor of all-time and arguably called "the most influential figure of our millennium."

There are other nuggets among the recordings, such as a portion of a high school basketball game believed to be the second oldest surviving sports broadcast and the earliest known recording of the famous NBC chimes. In one of the recordings, Edison spoke about the creation of the incandescent light bulb on its 50th anniversary. In



Thomas Edison looks at an optical film from one of his film projectors from an handout image at the Schenectadyt Museum & Suits-Bueche Planetarium in Schenectady. (Skip Dickstein/Times Union)

his remarks for "Edison Light's Golden Jubilee" program on Oct. 21, 1929 in which he shared the stage with Hoover and Ford, Edison offered a stirring, emotional oratory even though he was nearly completely deaf and in declining health. He died two years later, nearly to the day, at 84. "I am told that tonight my voice will reach out to the four corners of the world," Edison said, his voice squeaky and thin, as he occasionally stumbled and lost his place. "It is an unusual opportunity for me to express

my deep appreciation and thanks to you for the countless evidences of your good will. I thank you from the bottom of my heart. "I would be embarrassed by the honors heaped upon me on this unforgettable night were it not for the fact in honoring me you are also honoring that vast army of thinkers and workers of the past and those who will carry on, without whom my work would have gone for nothing," he said.



Edison might have added these names to that honor roll: Hunter, Schneiter, DeMuth.

To view a video of the inventors and their pallophotophone, go to <http://www.timesunion.com>

Read more: <http://www.timesunion.com/AspStories/story.asp?storyID=942480&TextPage=2#ixzz0rUPvNa00>

***Paul Grondahl***  
Staff writer, Times Union  
Albany, NY

Paul Grondahl can be reached at 454-5623 or by e-mail at [pgrondahl@timesunion.com](mailto:pgrondahl@timesunion.com)

First published in the Times Union June 18, 2010, Albany, NY and it is being used in the PCARS newsletter by permission., Mike Spain, Associate Editor - Times Union - Box 15000 - Albany, NY 12212 518-454-5060 [mspain@timesunion.com](mailto:mspain@timesunion.com)

**Editor Note:** Thanks goes out to the Times Union for allowing this reprint. Also - attached is a sound file with Edison's voice!

Click Here:



## Swap-N-Shop

**WANTED: Icom BP-4 battery case.** For alkaline or rechargeable batteries it was used on the IC-2AT handheld radios. If you have one and would like to sell it please let me know. [exp 11/27/10]

Contact: **John** - [N8GIE@portcars.org](mailto:N8GIE@portcars.org)

**FOR SALE: Best Technologies "Ferrups"** commercial grade UPS, model FE850VA/14C, 850VA continuous; includes battery cables with powerpoles for external deep-cycle battery(ies) ... \$85 each (I have two) [exp 11/01/10]

**FOR SALE: Gator GR-4S** rack case, 4 rack units (the ultimate "go kit" --

<http://www.gatorcases.com/Default.aspx?Section=Products&Page=Details&CategoryID=4488&CatalogID=10017>), new in box ...

\$110 [exp 11/01/10]

**FOR SALE: Gator GRR-8L** rack case, 8 rack units, with wheels (the super-ultimate "go kit" --

<http://www.gatorcases.com/Default.aspx?Section=Products&Page=Details&CategoryID=4488&CatalogID=9767>), used in very nice condition ... \$120 [exp 11/01/10]

**FOR SALE: WACOM 900MHz diplexer**, 900-960MHz, 4 cavity, 2 RX to a single antenna, model WP-687-3943, rack mount type (I have specs and tuning instructions) ... \$125 [exp 11/01/10]

**FOR SALE: Telewave power monitor**, model nr PM-2AQ-900/3, \$20 [exp 11/01/10]

**FOR SALE: Acer Aspire One** subnotebook computer, dual core atom CPU, Windoze XP, with Microsoft Office Professional and DX Lab software installed and updated; very little use; includes factory box ... \$220 [exp 11/01/10]

**FOR SALE: Winlink 2000 station:** IC-2200H 2M radio, KPC-3+ TNC, TNC-radio cable, TNC-computer cable, on rack shelf (all in like-new condition; I have the box for the radio) ... \$295 (might be willing to sell the "components" separately) [exp 11/01/10]

**FOR SALE: 6 ½ ' heavy duty rack cabinet** with rails front and rear, two locking doors, good condition ... \$125 [exp 11/01/10]

**FOR SALE: 6' medium duty cabinet with rails** front and rear, two locking doors, very good condition ... \$110 [exp 11/01/10]

**FOR SALE: Huber-Suhner EMP protector**, model 3400.17.0024, 824-960MHz, with two N-F connectors (condition presumed good but not verified; removed from working equipment) ... \$10 each (I have two) [exp 11/01/10]

Contact **Rick** - [K8GI@portcars.org](mailto:K8GI@portcars.org)

**FOR SALE: MFJ-434B Voice Keyer**, \$130.00 or best offer. [exp 11/01/10]

Contact: **Rex** - [NX8G@portcars.org](mailto:NX8G@portcars.org)

**FOR SALE: Hallicrafter** model S108, looks good but doesn't work: \$50 [exp 11/01/10]

**FOR SALE: Hammarlund HQ100C** with manual. Good appearance but doesn't work: \$50 [exp 11/01/10]

**FOR SALE: Bencher IAMBIC Paddle**, BY1, appears to be new in box, asking \$80 (currently in AES catalog at \$119) [exp 11/01/10]

Contact: **Leon** - phone 330-296-2651 or [N8GLK@portcars.org](mailto:N8GLK@portcars.org)

**FOR SALE: Cushcraft 10-3 ten meter 3 element beam.** I've dry fit it and it seems that the only piece missing is a 6" x 6" aluminum mast plate. \$299 new, I'd like to get \$100 plus shipping (should be around \$16.00 to ship). [exp 9/28/10]

Contact **Randy** - [N6TL@portcars.org](mailto:N6TL@portcars.org)

**FOR SALE: Mirage A-1015G, 6 Meter Amplifier** - 10 watts in, 160 watts out - FM/CW/SSB - Original manual & box - Cost new \$389, works great - will sell for only \$250 [exp 11/01/10]

**FOR SALE: MFJ-5124K - Auto tuner cable** for Kenwood - Original box & manual. - \$20.00 [exp 9/25/10]

**FOR SALE: 7" Screen GPS** - Great for all you APRS people, or for those that have an Icom IC-7000 mobile (you can use the GPS to also display the IC-7000 screen through a video port!). Brand new, with everything including suction mount. \$150 [exp 11/27/10]

Contact **Tom** - [KB8UUZ@portcars.org](mailto:KB8UUZ@portcars.org)

**FOR SALE: Kenwood TS-570S** 160m through 6m HF/VHF Transceiver. Has MARS/CAP modification and includes the .5 ppm TCXO. With original Kenwood microphone, power cord with Anderson power pole connectors, Kenwood user manual and schematics, and Nifty mini-manual. \$650.00 [exp 11/01/10]

**FOR SALE: GAP Titan DX Vertical** 80m through 10m - Good condition with manual \$150.00 [exp 11/01/10]

Contact **Rick**: [K8CAV@portcars.org](mailto:K8CAV@portcars.org)

**Editor's Note:** Ads run for 3 months then are dropped from the listing *UNLESS* you send it in again. Each ad will have an expiration date that looks like: [exp 11/30/10] when they will be removed. This will help keep the listings current.



## Ham License Plates Wanted

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

We have 32 plates up on the wall 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. It costs about \$20 the

first time for the bureau fee, mailing fee, and Amateur Radio plate fee. When renewal time comes around for your Amateur Radio, you can get NEW plates issued (same call sign). Then you'll have an old plate to bring in to get hung up as a **permanent part of PCARS history!!**



We have room for YOUR Ham Radio plate

The official form for obtaining your Ohio Amateur Radio license plates is on the PCARS Yahoo Group site.





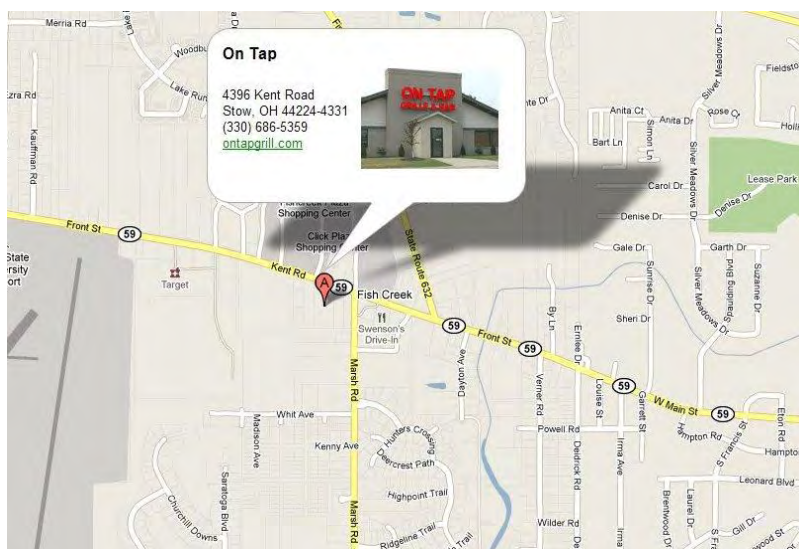
## PCARS Meetings

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

The next meeting will be at: **On Tap Grille**, 4396 Kent Road (St Rt. 59), in Stow. It is about a mile west of the Kent city limits.

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

(January through November. December is the Christmas Party)



## Thanks & 73



I really appreciate your help in getting material for this newsletter. All of our members (and others) look forward to getting this newsletter every month, so keep sending those inputs!

Thanks goes out to this months contributors:

**KC8PD, WB2DFC, WB8LCD, KB8UZZ, W8PT, W8KNO, KC8RKV, KB8VJL, KC8RKV, KD8JRK, AE5WX, Paul Grondahl from The Times Union, the ARRL, and the World Wide Web.**

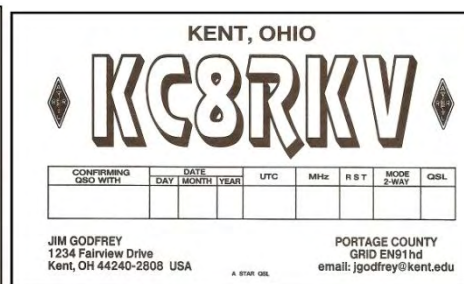
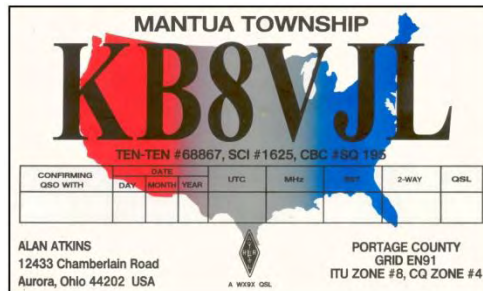


"Parky", KB8UZZ

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

**Tom, KB8UZZ**  
PCARS Newsletter Editor

## Club Member QSL Cards





## *Pictures from the August PCARS Meeting*





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

# Ohio State Parks On The Air



## Ohio State Parks On The Air contest

Saturday, September 11, 2010, from 1600 UTC to 2400 UTC

There are **75** Ohio State Parks  
Make a day of it and join us in the **FUN!**

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



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

Check out **all** the details at: <http://parks.portcars.org>

While you're at it, check out the PCARS web site at: [www.portcars.org](http://www.portcars.org)

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



presents the

## 5th Annual PCARS 2 Meter Simplex Contest



**Saturday - October 2, 2010  
12:00 pm until 6:00 pm**

*See if you can Work All of Portage County, Ohio*



This 2 Meter FM Simplex contest is sponsored by the Portage County Amateur Radio Service, Inc.(PCARS). The purpose of this contest is to encourage amateurs to learn the basics of contesting and simplex operations and expand the scope of their VHF operating techniques beyond that needed for repeater operation.

Contest is open to all - you don't have to be a member of PCARS, you don't even have to be inside Portage You can operate from home, mobile, or portable. Even if your passing through (or near) Portage County.

Heck, you don't even have be a 'contester' to have fun during this contest - just have some FUN!

Special Participation Certificate for all that send in a log! Hams belonging to clubs out side Portage County can also submit scores for themselves and your club scores, too!

See how many Cites, Villages, and Townships throughout Portage County  
you can make contact with on 2 Meter FM Simplex.

In Portage County, there are:

5 Cities: Aurora, Kent, Ravenna, Streetsboro, Tallmadge,

7 Villages: Brady Lake, Garrettsville, Hiram, Mantua, Mogodore,  
Sugar Bush Knolls, Windham

18 Townships: Atwater, Brimfield, Charlestown, Deerfield, Edinburg, Franklin,  
Freedom, Hiram, Mantua, Nelson, Palmyra, Paris, Randolph, Ravenna,  
Rootstown, Shalersville, Suffield, Windham



**Complete Rules, Summary Sheets & Log Sheets  
are available for download on the  
PCARS web site:**

**[www.portcars.org](http://www.portcars.org)**

We'll be listening for you!

*Join us in the fun and see just how far your rig will go on simplex.  
Best of all - let's have a FUN day on the radio!!*

*Need more information? E-mail [2Meters@portcars.org](mailto:2Meters@portcars.org)*







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

Meetings: 2<sup>nd</sup> Monday of each month at 7:00 PM

Check the PCARS website [www.portcars.org](http://www.portcars.org) for meeting location

*All are welcome to attend – Drop in and say hello!*



# "When All Else Fails - Amateur Radio Works"

PCARS Uses the N8EQJ Repeater: 146.895 MHz (PL 110.9 – Rootstown, Ohio PL 114.8 – Kent, Ohio)

**Repeater is graciously provided by N8EQJ for use by PCARS members**

### PCARS Appointments & Committees 2010

ARRL Awards - VUCC	<b>W8KNO</b>	Joe Wehner
ARRL Awards - WAS	<b>KB8UUZ</b>	Tom Parkinson
Club Call Trustee	<b>KB8VJL</b>	Al Atkins, Sr.
Club Site	<b>KC8PD</b>	Jim Aylward
Contest	<b>W8KNO</b>	Joe Wehner
Coordinators	<b>W8PT</b>	Chuck Patellis
Field Day 2010	<b>WB9LBI</b> <b>W8PT</b>	Bill Fraedrich Chuck Patellis
FYAO	<b>WB8LCD</b>	Tom Sly
Historian	<b>KB8SZI</b>	Peggy Parkinson
K8BF QSL Mgr.	<b>KB8VJL</b>	Al Atkins, Sr.
Net Coordinator	<b>WB8LCD</b>	Tom Sly
Newsletter	<b>KB8UUZ</b>	Tom Parkinson
OSPOTA	<b>W8PT</b>	Chuck Patellis
PIO	<b>KC8PD</b>	Jim Aylward
Proxy Check In	<b>KB8VJL</b>	Al Atkins, Sr.
Secretary	<b>KD8GGZ</b>	Mary Jo Loveland
Web Master	<b>K8SRR</b>	Steve Randlett



<b>KC8PD</b>	Jim Aylward
<b>KB8UUZ</b>	Tom Parkinson
<b>KB8DPN</b>	Russ Anderson, Sr.
<b>N4IT</b>	Carl Capps
<b>WB8LCD</b>	Tom Sly
<b>N8XTH</b>	Deron Boring
<b>N8PXW</b>	Jim Korenz
<b>N8QE</b>	Bob Hajdak
<b>W8PT</b>	Chuck Patellis
<b>N8EQJ</b>	Ed Polack
<b>K8QF</b>	Russ Conklin
<b>K8GI</b>	Rick Patterson
<b>WB8VNO</b>	Gay Wands
<b>WD8CVH</b>	Ted Wands
<b>NX8G</b>	Rex Simmons
<b>N8RLG</b>	Robert Gurney
<b>AB8AA</b>	Allan Avnet
<b>K8JAA</b>	Jane Avnet
<b>KD8FLZ</b>	Mike DiCarro
<b>KE8G</b>	Jim Blanca



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