



The RADIOGRAM

When All Else Fails ~ Amateur Radio Works



November 2007 ~ Official Newsletter of the Portage County Amateur Radio Service, Inc. (PCARS) ~ Vol. 2 No. 11

~ 2007 Officers ~

- President - Tom Sly - WB8LCD
- Vice President - Jim Aylward - KC8PD
- Sec/Treasurer - Tom Parkinson - KB8UJZ
- 3 Year Trustee - Russ Anderson - KB8DPN
- 2 Year Trustee - Al Atkins - KB8VJL
- 1 Year Trustee - Joe Wehner - W8KNO

~ Meetings ~

2nd Monday of every month.
7 pm at the Center of Hope
1034 West Main St.
Ravenna

~ Nets ~

Thursday nights
8 PM
on 146.895
PL Tones
110.9 Rootstown
114.8 Kent

PCARS ARRL
affiliated April 20,
2006



From the President

There's sure a lot of PCARS stuff going on! Here's the condensed list, more information on lots of this stuff is either deeper into the issue, or will be revealed as it becomes known!

November Meeting - annual election of officers and vote on the proposed changes to the constitution and bylaws. It's important that you be there!

November Activity - the sound card interface project. Even if you're not building a kit, show up and enjoy the smell of melting solder, coffee, fried torroids, and the good time PCARS always has when we get together!

December Meeting/Christmas Party - the "final act" of chapter 2, PCARS for 2007. This will be an enjoyable evening, the whole family is encouraged to attend, and we'll miss you if you are not there!

February 2008 Activity - the third annual "Freeze Your Acorns Off".

June 2008 Activity - I shouldn't have to say any more on this, but I will. For 2008, Ed - N8EQJ, and Bill - WB9LBI have agreed to co-chair the



PCARS Field Day event!

Our November meeting will be an important one. We have some changes to the Constitution and By-Laws on the table, and you will be asked to vote on them at this meeting. The changes have been e-mailed to everyone, if you have any questions at all, please contact either myself, or Jim - KC8PD. We'll also have our annual election of officers. Remember, this is YOUR club. If you don't like the way things

are going, throw the bums out! The important thing is, if you're not there to vote, your voice won't be heard. I'll look forward to a big turnout. By the way, I know we're also gong to be treated to a very interesting presentation by Mike - KB8TUY, and Dan - KD8EPA on radio controlled aircraft.

In February of 2008, we'll be having the third annual "Freeze Your Acorns Off" (FYAO) QRP operating event. In 2006, this was the first event that PCARS held as a club. We were out at Towner's Woods, in the open on a cold and windy day. More than 50% of the club members were present! It was a great day and we really felt like it was a good indicator of how much radio FUN we were going to have together as a club. This year, like last, we'll have the Roy Smith Shelter House at Fred Fuller Park for our event. We had another good time last year, and I'm asking everyone to mark down Saturday, February 23rd, 2008 as a day not to miss! If 50% or more of you show up, it will be a huge success, so, I'm counting on you to be there! More info will follow.....

Other than FYAO, if there's one other event that defines the radio FUN we have at PCARS, it's Field Day. Starting from ground zero, Jim - KC8PD has coordinated the FD event for the past two years. We've had a ball, and we've been competitive. This year, building on what we've already learned, Ed & Bill will have 100% creative freedom to lead PCARS in our FD assault. Give them your 100% support and lets have another GREAT outing!

PCARS is a GREAT Club! We're having fun, and there's a lot of things to be involved with. To those of you who are active participants - Thank You, you make PCARS what it is. If you're sitting on the sidelines and not involved, give us a try, I think you'll have a good time. If you know someone else who is a ham and not involved in an active club, tell them to join us, everyone is welcome here!

73

Tom, WB8LCD

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From the Vice President

Over the past couple month PCARS members have enjoyed an excellent presentation from Russ, KB8DPN, on APRS at the September club meeting, as well as a great hands-on demonstration of satellite operations by Ed, N8EQJ, for the club's October activity. At the November meeting, Dan, KD8EPA, and Mike, KB8TUY, are going to provide us with an introduction to the world of radio-controlled aircraft.



The ability and willingness of club members to take the time and put the effort into assembling these types of projects for the benefit of the rest of the membership is one of the important reasons that PCARS is a viable and enjoyable club to belong to.

We know that not everyone has the same interests in each of the too numerous to mention facets of our hobby. But our goal is to give PCARS members as many opportunities as possible to get a look at or try



their hand at them. We also know that not everyone's schedule permits them to attend every meeting or activity.

I mention this because I would like to encourage everyone to show more support for the events and activities that occur between meetings. Come on out and show your support for the efforts of

the PCARS members who put these activities together for you. Even if the topic or activity may not be at the top of your interest list, you never know what might get you thinking about trying a new ham radio mode, technique, hardware or activity that you had not given much thought to before. You will always come away from one of these events knowing something more about amateur radio than you knew before.

In addition, PCARS always wants to provide an entertaining and enjoyable social setting for club members. There is so much to be said for the fellowship of ham radio. Sometimes just hanging out together at the club station before or after an activity can be the best way possible to get to know other PCARS members and share amateur radio experiences with them.

So please try to take the time to attend the meetings and events. And make sure that you let us know what you like or don't like about them or if there any particular topics that you would like to see us cover. It is your club, make it work for you.

Speaking of which, don't forget that the Soundcard Interface Kit construction day is set for 9:00 a.m. on Saturday, November 17th in the Community Room at the Family & Community Services office building at the Oakwood facility. Enter from the main door on either side of the building and take the short flight of stairs up to the main floor. Everyone is welcome whether you are building a kit or not. Rick, K8CAV, and Deron, N8XTH, have done a fine job of putting together a terrific project.

Start planning ahead for the “Bring Your Rig Night” scheduled for the March meeting. This is show-and-tell for ham radio and led to a lot of great shared memories and story telling when we first did this in 2006.



We were disappointed that Jim Weaver, K8JE, the ARRL Great Lakes Division Director, was unable to attend the October meeting. The good news is that Jim will be joining us at our April 2008 meeting. Keep in mind that the Division Directors are the members of the board of the ARRL and Jim will provide us with good insights into the operations of the ARRL and the distinctions between the ARRL division and section, or field, operations.

The next bi-monthly VE test session will be on Saturday, December 1st at the same location. Walk-ins are welcome for the Technician, General and Amateur Extra Class examinations. The last night of the Technician class will be at 7:00 p.m. on November 13th with a VE session at Maplewood that is open to all.

In order to help us plan, if you or anyone you know may be interested in taking any of the tests please call me at home (330) 297-7979, or send me a note at kc8pd@portcars.org.

Jim, KC8PD

PCARS Christmas Party

Mark your calendars for Monday, December 10th as the date of the PCARS Christmas Party. This is the regular meeting night for PCARS. We want to get together as families and just have a good time, enjoying all the things that PCARS has done through the year, with a minimum of ham radio business being conducted.

This year we will be at the **Palace Hall & Catering Co.** (Mike’s Place Hall) located in the Brimfield Plaza at **4076 SR 43, Brimfield, OH.** Easy to find, especially if you worked the PCARS Portage County Sprint Contest as a mobile!

The cost will be \$16.70 per person for a buffet dinner. The dinner will include 2 main courses, 2 potatoes, 2 vegetables, 2 salads, dinner rolls and butter, water, coffee, iced tea or soft drinks.



We’re asking every family to bring a plate of

their favorite Christmas cookies or what ever for dessert. The Palace Hall does not have a bar, so adult beverages will be on a “bring your own” basis.

We’ll have a gift exchange, and my wife, Mary, tells me I will do a better job of organizing it this year! Hopefully, Santa Claus will be there to pass out the presents himself!

I’m sure there will be some sort of video depicting the past years activities and its been determined that this would be the place to present the second annual “**President’s Award**” so that the winner can be honored to a larger audience.

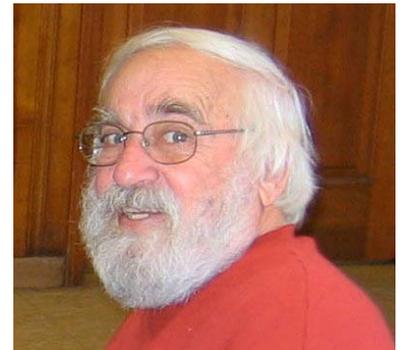
Come and celebrate with us!

Tom, WB8LCD

Paper Chase

With the CQWW SSB contest just over and the CW portion due to be run the 24th & 25th of this month, you may still be able to achieve this award.

Turkish radio amateurs are using the call sign prefix TA for normal operation. TC and YM prefixes are used as special event/day call signs. **TA2J Turkish Ham Award** will be awarded to those hams who make contact with TA amateurs using TA / TC / YM prefixed callsigns. . This award is offered in memory of TA2J - Silent Key S.Fazil TURKAN. In order to receive the Award, hams must make enough contacts to collect 100 points between January 1 , 2007 and December 31, 2007.



To get the Award Certificate it is necessary to send the station’s own QSL as well as a Log extract verified by two amateurs, containing all list of all contacts showing their call sign, name, last name and address (city-zip code) by March 1, 2008.

The point scoring system is as the following: There are 10 call areas in TA. The contacts are divided into two groups : CW ; SSB and other modes. Phone or other mode contacts have a multiplier of 1 and CW contacts multiplier of 2. The first contact within an area is worth 2 pts. Every other contact from the same area is worth 1 pt. TC and YM contacts have an extra multiplier of 2. Contacts made with the same station in a different mode (CW to SSB etc) or on a different band are acceptable but will count as any contact. All licensed bands and modes are available for use, but only direct contacts

between two radio amateur stations count. Use of repeaters and/or digital repeaters and/or other non-direct communication modes do not count.

Hope to hear you in the pile ups!

Joe, W8KNO

Charlie the Tuner's HF Hi-Lites

November, and I know you are getting tired of hearing it, but it begs to be said, "Where the heck did the year go?!! There is still so much to do and I know that now I will have to leave some of it for next Spring. The colors of the trees this past week have been brilliant and rides in the country have been very pleasant. I flew back from Dallas this past week and coming into North Eastern Ohio and seeing all the trees from the air is a real experience.



As far as the bands go, there have been some real interesting openings especially on 15 and 10 meters. And yours truly received a pleasant surprise this past week. I received an envelope from the ARRL with an

ARRL International Contest Award. K8CMP was awarded First place, Single Operator, Phone only, High Power, for the Ohio Section in the 2006 ARRL 10 Meter Contest. This is a first for me and it makes me very happy to have won. Especially when I wasn't expecting anything. I had to go back in my QST's to find that I had missed my call in the contest results announcements. I have to say that Parky and Joe are correct. They keep on telling me to send in my logs no matter how many contacts or how low the score. You never know. So, my thank you goes to Parky and Joe for their words of wisdom.

And here are my words of wisdom for you who keep thinking about getting on HF and doing some DXing. **Just do it!** May not be original but it is very apt.

Now let's see what opportunities we have for November.

DX News

8Q, MALDIVES - HB9OAU, will be active as 8Q7AU from Dhonveli Island (AS-013), October 29th-November 10th. Activity will be holiday style. Remember this means that operating will be secondary to his vacation.

AO5, SPAIN (Polar Ship). A group of Spanish (EA5s) operators have obtained permission to operate on board the polar research ship "Hesperides" in Cartagena. The operation

will take place from November 3-4th using the call sign AO5URD. This activity will be valid for the Antarctic Challenge as a polar ship.

ARCTIC STATION - RW1AI, is now active as R35NP from the "North Pole 35" drifting station in the Arctic. He will remain there until the summer of 2008. Current position is about 82N 101E in ITU Zone 75. Mike is running only 100 watts on 20, 30 and 40m both CW/SSB. QSL via RW1AI, either by the bureau or direct. This is a strange one and you DXer's should try for this one if heard.

ANTARCTIC CRUISE/DXPEDITION. Mehdi, F5PFP, is organizing an Antarctic cruise/DXpedition of 4 weeks with an appropriate and safe sailing boat for January 2009. The trip will start in Ushuaia. Here are some the islands that are scheduled to be visited:

1 - KING GEORGE Island: Macchu Picchu base, Station G (traces), Rep del Ecuador, Comdt Ferraz, and Lenie field station.

2 - NELSON Island: Gurruchaga refuge

3 - GREENWICH Island: Maldonado refuge, Bahia Yankee refuge

4 - LIVINGSTON Island: Juan Carlos base, Shireff station

5 - DECEPCION Island: Station B (traces), Gabriel de Castrilla station.

6 - Probably 1 or 2 more islands depending on sailing conditions then back to Ushuaia

At this stage Mehdi is searching for 5 passengers (amateur radio op or not). If you are interested and for more details, send him an E-mail at: f5pfp@aliceadsl.fr and SSB on 30-10 meters. QSL via EA7FTR. OK, here is an opportunity for those who want to go on a DXpedition to jump on board. This could be the chance of a lifetime.

CARIBBEAN TOUR - WQ5W, will be operating from Dominica as J75W, November 21-28th and from Antigua as V25W, November 30th-December 2nd. During his tour Alan will be active in a couple of contests.

CT3, MADEIRA ISLANDS - CT1BOH, will be active as CT3NT during the CQ World Wide DX CW Contest (November 24-25th) as Single-Op/All-Band entry. QSL via CT1BOH, direct or LoTW.

HS - Special event station HS35SEA will be aired on November 8-11 for the 35th SEANET Convention that will be held in Lampang. Full information on the convention can be found at http://www.sabah.net.my/seanet/seanet_2007.htm

SV, Greece - Six Amateurs will operate as SV8/homecall and under their personal call signs from Thassos Island (EU-174) from October 24 to November 8. The group will be active on the HF bands, plus 6 and 2 meters, on CW, SSB, PSK31, MS and JT6M.

XU, CAMBODIA. A group of Belgian and Finnish operators will be active from here between October 20th and November 5th. Activity will be on the following suggested frequencies: 1825, 3507, 7003, 10104, 14007, 21007, 24897 and 28020 kHz. An emphasis will be on the lower bands. Look for the following operators (w/QSL routes): XU7MDY via OH4MDY; XU7AJV via ON4AJV; XU7JGE via OH4JGE; XU7TZG via ON7PP

XW, Laos - RK3DT reports he will be active again as XW3DT from Laos from October 25 to November 6. QSL to Alex Sinchukov, P.O. Box 11, GPO, Hong Kong. This is always a tough one to get. So be listening.

IOTA News

AS-040 - Look for JA6QIN/6 to be active from four different islands (Arifuku, Wakamatsu, Zuga and Nakadori) in the Goto Islands group (AS-040), Nagasaki prefecture on November 5-7. QSL via home call, direct or bureau.

NA-041. K6VVA, will once again activate Revillagigedo Island (USI AK141S, WW Loc. CO45IP, 1st South Eastern County, Alaska). Activity will take place during the ARRL 160m Contest (November 30th-December 2nd). He will be operating as KL8C, and he also hopes to be active on the other bands as K6VVA/KL7 again as during his September (2007) operation (QSLs are being printed - QSL via N6AWD).

NA-069. G4DYO, (ex-editor for the DX News Sheet) will be active as W4/G4DYO from Captiva Island for few hours on November 16th. Activity will be on 20 meters.

Well that's it for this month's DX High Lites. Let me know what you folks are working out there and I will put it in the column. Give me a call, an E-mail or a shout on the air. I look forward to hearing from you. Thanks to the Northern Ohio DX Association, The Ohio/Penn Packet Cluster Network, the ARRL DX Newsletter and the 425 DX News for providing the DX Information.

Until next time, 73

Chuck, K8CMP

PCARS Elections - November



It's that time of year again. The annual PCARS nomination and election of officers will be at the November 12th meeting. Officers to be nominated and elected are: President, Vice President, Treasurer, and Three Year Trustee.

PCARS Receives Grant from SAFECO Insurance

PCARS has accomplished a lot in our first two years. One of the items on my list of things to accomplish is to start a fund raising program that would allow PCARS to obtain the equipment necessary to have a "first class" club station, including the equipment and supplies needed to operate from the field in emergency situations. It's been a huge step forward to have the club facility we have at the F&CS site. Kudos to Russ – KB8DPN for recognizing the opportunity, and Jim – KC8PD for

putting the deal together!

About 3 months ago, I received an e-mail at my office notifying me of the SAFECO Agents Grant Program. As I read through it, it indicated that they were looking for charitable organizations (PCARS is a 501(c)(3) charitable corporation) that their agents were involved in, and on the list of qualifications was organizations involved in "disaster relief". That's not an exact match, but, the emergency communications that Ham Radio conducts, especially at disaster sites, made me go ahead and fill out the grant application anyhow. It asked me to indicate how much we needed, and I tried to figure out what I thought we might be able to use. Well, my "wish list" came up to about \$45,000 which I didn't think was realistic to ask for. I put down \$5000 on the form, and settled in my own mind that I would be extremely happy if they sent us \$500. With a click of the "enter" key it was gone. An automated response e-mail indicated my request had been received. I really didn't think about it again.



Towards the end of September, I received an envelope from SAFECO, addressed to me, not the agency. I opened it without even thinking about the grant application. I was pretty stunned as I read the letter, and then got to the second page, which was the check. They had sent us the full \$5000 I had requested! Believe me when I tell you, my pant legs were rolling up and down.

This will give PCARS a huge start in assembling the



"first class" club station I would like to see us have available. On behalf of PCARS, I offer our thanks to SAFECO

Insurance for this grant, and to my local SAFECO Field Representative, Martha Colbert, for attending our October meeting and presenting the check to us on behalf of SAFECO.

Fund raising is one of those items still on my radar of things to get done on behalf of PCARS. Because we are a 501(c)(3) charitable corporation, we have the ability to seek out grants and donations. If any of you know of

any programs we could pursue, please let me know, and I'll go after it. I plan to make a push in 2008 to get a fundraising program started.

In the meantime, don't forget to use the link on our website to Interstate Batteries and get all the extra batteries you'll need for this Christmas season and for emergency preparedness. They also have spares for your radios, your laptop computers, your cell phones, PDA's, cars and lawn tractors. Use the discount code: PCARS. Tell your neighbors and friends, everything adds to our ability to make that "first class" club station a reality!

Tom, WB8LCD

EmComm

The Portage County Radio Amateur Civil Emergency Service (RACES) held its first field exercise on October 6th. The event was to coincide with the American Radio Relay League's annual Simulated Emergency Test



(SET) which was scheduled for the first weekend in October. The ARRL looks for participation from RACES and ARES units around the country. There were no ARES emcomm or SET activities in the area. Although the ARES EC

was notified of the RACES drill, we never heard back from him as to whether he was interested in observing the event and he did not provide any information about how we could report our activity to the ARRL.

The RACES drill was a complete success. Our goal was not to test the implementation of any particular response plan since those are in the process of being drafted. Instead, this was our chance for RACES members to participate in the simulation of an event that might actually occur and require RACES activation and to put their initial training to use.

The scenario for the exercise was a tornado touchdown just west of the Ravenna city limits, both north and south of State Route 59, with a second touchdown in the area just north of the intersections of State Routes 14 and 88 on the northeast side of Ravenna. As a result, the scenario could include damage to the FireCom dispatch center on Spring Street as well as substantial damage to the residences in the mobile home park on the north side of Route 59.

As an added benefit to the exercise, representatives of both FireCom and the Red Cross participated in the operation on behalf of their agencies. We also had an assist from Errol, KC8RJR, who stood in for Jon Barber,

the EMA Director, who had to be out of state that weekend.

Parky, KB8UUZ, who is one of the two RACES Deputy Radio Officers, was the communications director for the exercise. The exercise hadn't even begun when he was faced with his first seat-of-the-pants decision. We were set to start the RACES activation at noon, immediately following the PCARS VE session being held at the Center of Hope, which was also to be the operations center for the exercise. The VE session had not yet ended when the group of volunteers who were to be doing a top-to-bottom cleanup at the Center that day started showing up.

At that point, Tom, WB8LCD, PCARS' president, offered the use of the PCARS club station on Oakwood Street. Parky quickly decided to take advantage of the offer and the ops center was relocated down the road.

As soon as noon rolled around the call went out to RACES members to report for service. Two members were at work and two were out of state but everyone who was available reported in. Over the course of the drill, Bill, WB9LBI, and Mike, KB8TUY, were deployed to the FireCom dispatch center; Russ, KB8DPN, was sent to the Red Cross office and Ed, N8EQJ, to the Red Cross shelter; Carl, N4TIE, to the EMA and Mike, KD8FLZ, to the Ravenna Fire Department; and Bob, N8KBX, and Larry, KD8FLV, went on the road as communicators for Red Cross damage assessment teams. Parky remained on site as the NCS with Tom, WB8LCD, as logger.



On-air operations lasted a very busy hour. A variety of traffic was passed as different situations cropped up during the event. All of the role-players had been provided with scripts with suggested times for each of them to initiate messages or requests, or to take certain actions. This was to ensure that everyone had something to do during the drill.

After the exercise was concluded, all participants returned to the operations center for the event debriefing. This is probably the most valuable part of the drill. It is the chance for everyone to candidly discuss the pluses and minuses of the exercise, its design, and its implementation. We were fortunate that the agency representatives also stayed for the debriefing which lasted nearly two hours.

The only thing remaining was the drafting of the After Action Report (AAR) which was circulated to all

RACES members for comment before it was submitted to the EMA Director. Copies of the AAR were also provided to the outside agencies.

Probably the most frequent comment from RACES members was that we need to be doing this more often and how beneficial they found it to be. One of the recommendations was to use some of the regular RACES training nets as simulated events and we can expect to see that starting soon.

The RACES unit has been in operation since May of this year and is making great progress. If you would like more information or have an interest in participating, please contact me at kc8pd@aol.com

Jim, KC8PD
Portage County RACES Radio Officer

Ham License Plates Wanted

One of the suggestions we came up with was to have a wall of ham license plates in the club station. So, 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 a few already up there, 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 you about \$19 the first time for the bureau fee, mailing fee, and Amateur Radio plate fee. In about 2 weeks or so, the plates come in the mail.



When your Amateur Radio plates need to be renewed, you can (for about a \$7 fee) 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!!

On the PCARS Yahoo Site, I'll post the official form for obtaining your Amateur Radio license plates here in Ohio.

Tom, KB8UJZ



PCARS VE Test Sessions

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

2007 Schedule

December 1

2008 Schedule

Feb. 2, April 5, June 7, August 2, Oct. 4, Dec. 6

VE sessions For Technician, General and Amateur Extra will start at 10:00 am at the Center of Hope, located at 1034 West Main Street in Ravenna. Walk-ins are always welcome.



Please bring your original license, a copy of your 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, a copy of your CSCE, a photo ID, and a check for \$14.00 made out to "ARRL-VEC". We look forward to seeing you there!!!!

Jim, KC8PD
PCARS VE Coordinator

Mark Your Calendars

On the calendar for upcoming meeting topics & activities are:

- November 12th** meeting – **Radio Controlled Aircraft - Mike, KB8TUY and Dan, KD8EPA**
- November 17th** activity – **Sound Card Interface Kit – Deron, N8XTH, and Rick, K8CAV**
- December 10th** – **Christmas Party**

2008

- January** activity – **Digital Modes Workshop**
- January 14th** meeting – **QRP Operations, Tom, WB8LCD**
- February 11th** meeting – **Tim Duffy, K3LR, The K3LR Contest Station**
- February 23rd** – **Freeze Your Acorns Off, QRP special event station - Third anniversary!**
- March 10th** meeting – **“Bring Your Rig” night**
- March** activity – **Powerpole Junction Box, Russ, KB8DPN**
- April 14th** meeting – **Jim Weaver, K8JE, ARRL Great Lakes Division Director**

November Contest Calendar

November, 2007	
ARRL Sweepstakes, CW	2100Z, Nov 3 - 0300Z, Nov 5
Kentucky QSO Party	1400Z, Nov 10 - 0600Z, Nov 11
ARRL Sweeps , SSB	2100Z, Nov 17 - 0300Z, Nov 19
Run for the Bacon QRP	0200Z-0400Z, Nov 19
CQ Worldwide DX , CW	0000Z, Nov 24 - 2400Z, Nov 25
ARRL 160-Meter	2200Z, Nov 30 - 1600Z, Dec 2

PCARS Patches & Stickers

PCARS logo patches & stickers are now available!! Put the patch on your hat, your shirt, your jacket!! The patch is approximately 3" and the embroidery is in Red, Black and Blue. The patches are \$2.00 each and can be obtained at any PCARS meeting. There are 2 types of stickers available.



A 4"x6" 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: kb8uuz@portcars.org

Contesting

If you read the ARRL website, you have probably noticed that the ARRL International DX Phone Contest articles are posted. If you read the QST article, you will not find the Portage County Amateur Radio Service listed. The reason is that you need to have at least three entries and we only had two. The combined score of the two was 142,800 which would have placed the club in 15th place nationally in the Local Club group.



Remember to send in your logs if you participate. As KB8UUZ keeps reminding us to send in our logs because he was beat out in a 10-10 contest by W8KNO who only had one contact. Tom did not send in his log.

As each one of us is an ambassador of the club, QST becomes our bulletin board when our club's name appears among the contest participants.

Joe, W8KNO

Happy Birthday PCARS Members

Eight PCARS members having a birthday in this month!

N8ATV	Jerry	Jarze
KD8GGZ	Mary Jo	Loveland
KB8UUZ	Tom	Parkinson
KC8SUI	Rick	Smith
K8FEY	Bob	Hewett
KC8SYD	Ted	Kost
N8WLE	Nick	Rothermel
AB8VX	James	Bailey



Swap-N-Shop

FOR SALE: Kenwood MC-60A desk microphone; excellent condition. Will also include optional MJ-88 8 pin to modular adapter. I am asking \$120 for it, but am willing to negotiate. If anyone is interested feel free to drop me an email at N8WLE@portcars.org. **Nick-N8WLE**

WANTED: 3 HW-100 knobs. Will swap 2 Eagle Stamp Savings Books. One has an orange and green front and contains 6 50 & 1 10 point stamps. The other has only a green front and contains no stamps. - Contact **Joe - W8KNO** by e-mail at - W8KNO@portcars.org

FOR SALE: ICOM 775 10-160 meters, 200 Watts includes HM-36 mic, Rack Mount Handles, two SP-20 Speakers with Audio Filter - all for \$2500.00 - Contact **Ted - KC8SYD** at home 330-947-3530 or cell 330-760-2726.

FOR SALE: Yaesu FT-920 - 10-160 + 6 meters - 100 Watts, includes hand mic. \$800.00 - Contact **Ted - KC8SYD** at home 330-947-3530 or cell 330-760-2726.

FOR SALE: Tripp Lite Power Supply - PR40 \$100 - **Mirage B-1016 2 Meter Amp** - 10w in, 160w out \$175.00 - **Mirage B-5018G 2 Meter Amp** - 20-60w in, 160w out \$200.00 - **Mirage B-2530G 2 Meter Amp** 10w in, 300w out \$475.00 - Three HR2510 10m AM/FM/SSB/CW \$150.00 each - Contact **Ted - KC8SYD** at home 330-947-3530 or cell 330-760-2726.

WANTED: Cheap 2 meter radio to use for packet. Does not need to be pretty! Just dependable and did I say cheap?? Let me know what you've got that you want to get rid of. Contact **Tom - WB8LCD@portcars.org**

For Sale: TS440SAT Kenwood Transceiver, **PS50** Kenwood Power Supply, **MC60A** Kenwood Desk Microphone, **SP430** Kenwood External Speaker. Sold as package only. Mint condition, Original owner, Non-smoker, Original Packaging and all manuals. Asking \$1000. Contact me by e-mail if interested: **Bob - N8QE@portcars.org**

HF Rig Wanted: I passed my General Test! I am now looking for good used HF rig so I can begin using my new privileges. Contact **John - KC8KYW@portcars.org** or at (330) 688-1725

ARECC Level 1 - Special Rebate

Thanks to an anonymous donor, any PCARS member starting, and successfully completing the ARRL Level 1 course during 2007 (**this offer expires December 31, 2007**) will get the ARRL membership course fee of \$45.00 reimbursed to them.



The donor feels this course is so important and encourages everyone to take advantage of this offer no matter what emcomm service they choose to participate in.

If you are not an ARRL member (this may encourage

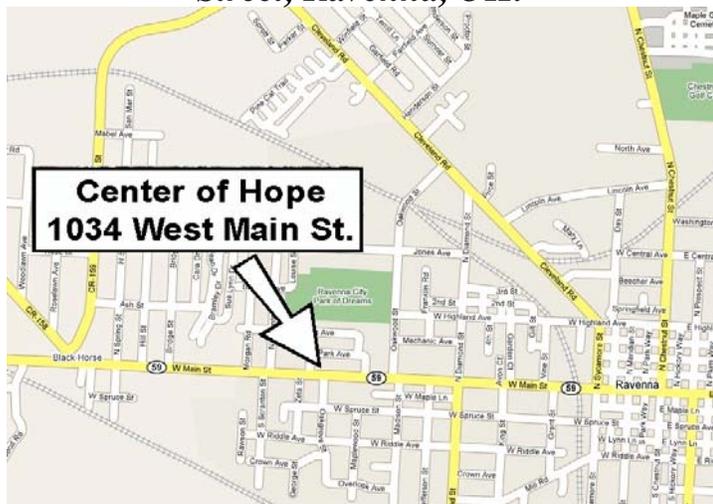
you to join). The course is taken over the internet and will take about 25 hours of work to complete.

Complete information on the course and the link to register can be found on the ARRL web site.

PCARS Meeting - Center of Hope

The Portage County Amateur Radio Service (PCARS) next meeting (November 12th) will be at:

The Center of Hope - 1034 West Main Street, Ravenna, OH.



This is where PCARS has the VE test Sessions, and we've also had a number of club projects at the Center of Hope.

PCARS meeting - 7:00 pm
Center of Hope - 1034 West Main St.
Ravenna, OH See You There!!!!



It's a Bird, It's a Plane, It's....

A satellite. In fact it's an amateur radio satellite. And if you did not make it out to the PCARS club station on Saturday October 20th, you missed a good time and a great chance to find out more about how to work those satellites, all courtesy of Ed, N8EQJ.

Ed showed us how accessing satellites can be as simple as using an Arrow 146/437 handheld beam that

you can use with an HT or as complex as running an Icom 910 all mode VHF/UHF rig through dual 2m/440 beams mounted on a mast that can be rotated and tilted for azimuth and elevation. The rotator could be operated by manual switches or even controlled by computer satellite tracking program.

The antenna array was pretty impressive and Ed had



assembled it and mounted it the same base that he used for his forty meter inverted vee at Field Day and then trailered it to the club site. Fortunately it looked as though he had only put a slight bend in two of the two meter beam elements as a result of some "harmful interference" on the way up.

After some careful maneuvering to get the trailer parked precisely where he wanted it, Ed set up his station in the garage and ran the feed and control lines under the overhead door. Crucial to working any of the satellites is knowing when you can expect your station to be within the footprint of the satellite as it moves overhead. There are different software packages available that can tell you this as well as some on-line



services that you can access and print out the data for a particular satellite. Ed was using a program that provided a real-time visual display of the location of selected satellites

and their area of coverage.

A major disappointment was that AO-51, of the most popular and generally easy to work birds, was having operability issues last week and the ground crew was in the process of uploading software patches to deal with onboard computer problems.

Ed was able to hit AO-7 and Hamsat (VO-52) and we heard QSO's on both but no one came back to Ed's

CQ's. It turns out that working satellites can be as tricky as dealing with band conditions on HF.

There is a lot to be learned about the differences between the various satellites, their operational modes as well as uplink and downlink frequencies, not to mention their orbits. Ed advised that the best information source for anyone new to satellites is www.amsat.org, the home of AMSAT. In particular, on the AMSAT home page there is a menu that runs down the left side of the page.



Go to the button that says "New to Satellites" and you will be linked to a wealth of information.

Ed made at least one convert on Saturday. Dave, WB2DFC, stopped by early in the morning and came back for a few minutes before noon. In the meantime he had placed his order for the Arrow handheld antenna. He plans to take it with him the last week of October on his camping trip to Pennsylvania. Dave and some ham buddies drag along a bunch of radio gear on those trips, including HFpack portable. Now he can add satellite ops.

Thanks to Ed for a great program. More thanks to Tom, WB8LCD, for the spicy tomato juice and to Bob, N8QE, for the big box of pastries. Can't have a PCARS event without refreshments!

Also attending were Carl, N4TIE, Russ, KB8DPN,



Errol, KC8RJR, Dan, KD8EPA, and Mike, KB8TUY.

Watch for announcements about future satellite programs. If anyone attends the AMSAT Satellite

Symposium in Pittsburgh on the weekend of October 26-28th, we would appreciate hearing details about it.

Jim, KC8PD

Center of Hope - Holiday Food Drive

PCARS members have become familiar with the Center of Hope as the site for our recent meetings and some of our activities, including our VE sessions and the PAC-12 antenna construction project. The Center has graciously opened its doors to our members for these activities and also provided some of the food for Field Day in 2006.

What you may not know is the Center of Hope was founded over ten 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 the 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 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 meetings in November



and December make a donation of food or, if you wish, a financial contribution to the Center of Hope. Donations are tax deductible because the Center is part of a 501(c)(3) organization.

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 the next day to the Center of Hope. In 2006 we raised nearly \$300.00 plus the food donations. That is our goal to beat this year.

Jim, KC8PD

VE3 Black Squirrels

An e-mail came in from our friend at ARRL headquarters, Norm Fusaro, W3IZ and I had to share it with you. While recently in the western New York area, he took his wife to



Niagara Falls for a visit.



Sure enough he saw some black squirrels and had to send these pictures. He figures they must be related to PCARS Squirrels (And he is correct - see the paragraph on the last page about 'why the black squirrel').

It's like we say around here: "*See a black squirrel and think of PCARS!*"

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- ---- ...- . -- --- .-
-.-. --- -.. .

(In Plain English: One Man's Bid To Save Morse Code)

PRESCOTT, Ariz. -- Nostalgic for simpler days, retired astrophysicist Chuck Adams is translating classics of boys' lit into a language he fears is going the way of kit radios and marbles: Morse code.

Holed up in his high-desert home crammed with computers, radio receivers and a very patient wife, Mr. Adams uses homemade software to download online books with expired copyrights, convert the typed words into Morse code tones and record them on compact discs he sells on the Internet.

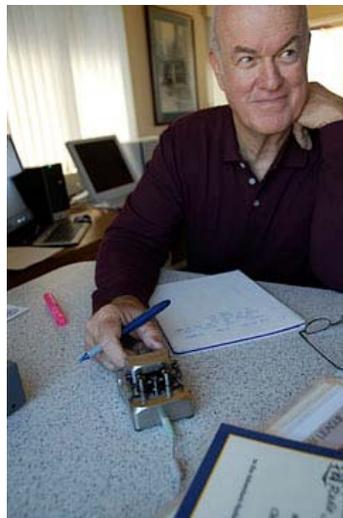
So far, Mr. Adams says he has sold or donated thousands of Morse versions of such novels as Edgar Rice Burroughs's "At the Earth's Core," Daniel Defoe's "Robinson Crusoe," and H.G. Wells's "The Time Machine." In about an hour his software can take any book in the public domain and turn it into a string of digital dits and dahs; last weekend, he turned out a version of F. Scott Fitzgerald's - / -... .- - - - .. - - - .- . / .- .- .- / -.. .- - - .- .- (a.k.a., "The Beautiful and Damned").

For the 65-year-old Mr. Adams, it's a labor of love, mixed with equal parts hope and despair. "Morse code is going to die off unless you can talk someone into

coming into the hobby," he says.

"I do it because it's fun, and to keep it going," he says. Then he adds in the next breath: "But I have no delusions of grandeur that I can save Morse code from extinction. I'm not Don Quixote. I'm not going to go out and fight windmills."

Mr. Adams grew up in Wink, a blink of a town in



West Texas. Six-foot-six himself, he shared a small bedroom with his three younger brothers, each of whom measures nearly 7 feet tall. He hand-built his first bike with parts from a junkyard and flew model rockets high above Wink while the Soviets flew Sputnik even higher.

Chuck Adams taps out a message. (Photo: Michael Phillips) Chuck Adams is tied for 8th fastest Morse

code communicator in the world.

WSJ's Michael Phillips meets him at his home in the Arizona desert to find out how and why he keeps up the code culture.

And, at the age of 15 -- inspired by his father, a ham-radio operator -- he taught himself Morse code from a book. At the time, ham operators had to transcribe Morse code at a rate of five words per minute in order to earn the most basic federal license. Soon young Mr. Adams was spending every night sending coded messages to anyone who could hear them, and eavesdropping on UPI news dispatches broadcast to ships.

Too Twangy

Many other radio amateurs use voice transmissions, but Mr. Adams preferred code, because of the challenge -- and because he thinks his voice is too high and his West Texas accent too twangy.

Mr. Adams completed a Ph.D., won tenure at the University of North Texas, worked high-powered jobs in the defense and computer industries, and dabbled in the professional poker circuit. But he never lost his love for Morse code.

The code is the creation of a painter, Samuel F.B. Morse, who needed a way to transmit messages over the telegraph that he and Alfred Vail had invented. In 1844, the men famously sent a transmission from Washington to Baltimore that read, "What hath God wrought?"

The telegraph soon replaced the pony express. As late

as World War II, ham operators found themselves using their Morse skills as radiomen in the military. During the Vietnam War, POW Jeremiah Denton, later a U.S. senator from Alabama, blinked "T-O-R-T-U-R-E" in Morse code when his captors put him on television.

But over time, the telephone and satellites have rendered Morse code almost obsolete. "If the satellites go out and power goes out, Morse code can still get through," says Nancy Kott, president of a code club called FISTS -- someone who sends good code has "a good fist." "All we need is a battery and two wires to tap together, and we can communicate."

In February, the Federal Communications Commission eliminated the Morse requirements for ham-radio licenses. Mr. Adams resigned from a ham-operators organization because of what he saw as its flaccid defense of Morse code.

"It is a sad state of affairs when the U.S. doesn't even attempt to keep the language alive or give an incentive to work on it," says Mr. Adams.

Many of those who still know Morse code test their skills with a German computer game called Rufz, the standard for determining world transcription-speed rankings. Players listen to coded, five-character call signs, combinations of letters, symbols and numbers that identify individual license holders. The faster and more correctly they type them, the more points they score. (Transcribing regular text is much slower.)

Last month in Belgrade, Goran Hajosevic broke 200 words per minute -- an extraordinary pace. Mr. Adams is tied for eighth in the world, at more than 140 words per minute.

Scanning the list recently of the 60 fastest Morse coders under the age of 20, Mr. Adams spotted just two with American-issued call signs. "What this shows me is in the United States, we have no one who's interested in learning Morse code anymore," he lamented.

Mr. Adams and other Morse aficionados don't speak of dots and dashes; that imagery is too visual, and Morse is an aural language. So they prefer to describe the language in dits and dahs, the sounds of the short and long tones. A, for instance, is dit dah. B is dah dit dit dit, or simply dah dididit. Between two letters, the sender allows a three-dit silence. Between words it grows to seven dits.

'In the Zone'

Like all Morse experts, Mr. Adams rarely breaks signals down into letters, instead hearing complete words much as readers recognize words on a page. When he transcribes a message at high speeds, his fingers are five or 10 words behind his ears. When he is

"in the zone" he isn't even conscious of what he is transcribing, he says. He has to read it later to understand the message.

When he listens to one of his books, the code is like a voice speaking to him. "It's like you don't count the i's when someone says Mississippi," he explains.

He produces his audio books to play at different speeds, depending on the expertise of the buyer. Ken



Paddle-style key and radio used to send Morse code.

Moorman's bedtime listening is Mr. Adams's 25 - word - per - minute version of "The War of the Worlds," which he purchased for \$10.50.

"It's so much easier to pick up a microphone and yell," says Mr. Moorman, a 65-year-old retired electrical engineer in Williamsburg, Va., and a coder since 1957. "The people who do [Morse code] today do it because it's a lost art."

Earlier this year, Mr. Adams sent Barry Kutner, a 50-year-old ophthalmologist from Newtown, Pa., and another world-class coder, a 100-words-per-minute version of the book. To Mr. Adams's chagrin, Mr. Kutner wrote an email back pointing out that the gap between words was eight dits long, instead of the prescribed seven. At that pace, a dit lasts 1.2 one-thousandths of a second.

Much as he did growing up in Texas, Mr. Adams enjoys sitting in front of a gray radio, not much bigger than a hardcover book, and sending code with a \$500, Italian, stainless-steel, paddle-style key that he operates with a pinching motion. With the slightest touch of his right thumb on one paddle, the key sends an audible dit. A touch of his right pointer finger on the other paddle sends a dah.

Keeping Busy

His wife, Phyllis, 62, doesn't begrudge him his long hours in front of the radio. "I'm just glad he has something to keep him busy," she says. "All my friends with retired husbands complain they follow them around the house all day."

One recent Sunday morning, Mr. Adams's radio came alive with Morse tones. It was a guy named Gary McClain in Pryor, Okla. The transmissions were pretty slow, just 22 words per minute.

Mr. McClain, a 65-year-old retired mill worker, learned Morse code in the Boy Scouts half a century ago. He had nothing urgent in mind; he just wanted to make contact with someone far away.

"Weather here is cloudy and chance of showers," he

tapped, as Mr. Adams transcribed the words in a notebook.

Mr. McClain signed off, and the radio went silent. "It will eventually die," Mr. Adams mused. "I'll hate to see it go. I won't have anybody to talk to. I'll have to go back to reading."

Michael M. Phillips

Editor's Note: Reprinted with the author's permission. The Wall Street Journal - October 8, 2007; Page A1. You can write to Michael M. Phillips at Michael.phillips@wsj.com

Hear the Pile Up

URL of the Week - The clear winner this week is the Web site of Jim W7EJ/CN2R and his on-line http://cn2r.net/cn2r/cn2log_interface/QSOs/Logbook.asp recordings of his 27 contest operations (and 97,000 QSOs) from Morocco from 2001 through 2007. On the Web page, enter your call sign (or that of your arch rival) in the 'Call/Prefix' field and hit the Enter key or click the 'Search Log' button. If your call sign is found and the QSO recorded, it will be displayed with a yellow highlight. Click on the highlighted call sign and the audio will be played in a pop-up window. (If you have pop-ups blocked, you'll have to disable that feature in your browser.) There are other options, as well, and the whole site is full of goodies.

ARRL - Contest Rate Sheet

Editor's Note: I ran into this nifty site and sure enough, I'm in there. S, look up KB8UUZ, W8KNO, K8CMP, WB8LCD, and I'm sure more of you. Check it out & you can hear what our modest stations sound like in contest pile ups from half way around the world!

PCARS Thursday Net Control

Net Control Schedule

November		December	
1	WB8LCD	6	KD8EOZ
8	KC8PD	13	WB8LCD
15	KB8DPN	20	KB8UUZ
22	KB8UUZ	27	K8CMP
29	K8CMP		



Tom, WB8LCD
PCARS Net Control Coordinator

PCARS Yahoo Site

Members are reminded that PCARS has a Yahoo Site dedicated to PCARS information. It's a great site to sign up for and get on the mailing list. Check out the PCARS web site at www.portcars.org and follow the link to sign up.



PCARS 2 Meter Sprint

While the contest world suffers and looks for the end of cycle 23, the 2 Meter Sprint that was held on August 18th gave our local operators an opportunity to hone their contest skills. The mobile division saw one more entry than last year; however, the results were the same with the team of KC8PD and his wife, Laura, being the winners. The first three mobiles all activated all 30 subdivisions and contacted all 30 subdivisions.



The difference was; therefore, in the number of contacts. The winners had 388 and the next to runners-ups had 242 and 239 contacts respectively.

Enough said, here are the Mobile results:

KC8PD & Laura	675,000
KB8TUY & KD8EPA	430,200
KB8UUZ & KB8VJL (KD8CKP)	417,600
N8XTH	90,168
KD8DFM & KB8DPN	5,160

Like the Mobile division, the Fixed High Power increased over last year. In fact, the number doubled from two to four. WE HAVE A NEW WINNER!!! It is, KB8DPN. He replaces K8CMP as the champ even though last years winner K8CMP says it was not fair since he was away. TOO BAD!!!

How did the Fixed High Power stations finish:

KB8DPN	4,350
N8EQJ	3,725
WB9LBI	1,760
W8KNO	55

The Fixed Low Power Division was the only division that saw a decrease in the number of participants and they were both new to the Sprint this year. The winner was N8QE.

N8QE	4,550
N4TIE	2,400

In addition to Portage County participants, we had had amateurs in Cuyahoga, Geauga, Licking, Summit and Trumbull counties take part.

Here is the list of calls appearing in the logs:

AB8IE, K8ZWI, KB8DPN, KB8GAB, KB8JFF, KB8N, KB8TUY, KC8PD, KC8RKB, KD8BHX, KD8CKP, KD8DFL, KD8DFM, KD8ERY, KD8FLW, KD8FLX, KD8FPS, KD8GGB, N4TIE, N8EQJ, N8QE, N8WLE, N8XTH, W8DFA, W8KNO, WB8FEW, WB9LBI and WD8JEL.

A total of 28, thank you all, and we hope to hear you again next year.

Joe, W8KNO

PCARS Web Site Statistics

Summary by Month										
Month	Daily Avg				Monthly Totals					
	Hits	Files	Pages	Visits	Sites	KBytes	Visits	Pages	Files	Hits
Sep 2007	3683	349	3370	33	797	207717	730	74150	7690	81030
Aug 2007	3361	1713	1721	98	2738	933948	3054	53375	53115	104208
Jul 2007	2257	1318	1034	87	2576	730848	2710	32071	40862	69984
Jun 2007	1601	1184	505	76	2069	623703	2285	15172	35521	48034
May 2007	2389	1392	1196	74	2018	852918	2323	37086	43173	74061
Apr 2007	1105	854	260	61	1721	447149	1847	7819	25643	33179
Mar 2007	1246	666	567	53	1539	404605	1669	17595	20654	38655
Feb 2007	945	434	521	42	1228	234962	1197	14601	12167	26465
Jan 2007	491	210	280	22	731	104444	644	8132	6104	14255
Totals						4540294	16459	260001	244929	489871

Hits represent the total number of requests made to the server during the given time period (month, day, hour etc..).

Files represent the total number of hits (requests) that actually resulted in something being sent back to the user. Not all hits will send data, such as 404-Not Found requests and requests for pages that are already in the browsers cache.

Tip: By looking at the difference between hits and files, you can get a rough indication of repeat visitors, as the greater the difference between the two, the more people are requesting pages they already have cached (have viewed already).

Sites is the number of unique IP addresses/hostnames that made requests to the server. Care should be taken when using this metric for anything other than that. Many users can appear to come from a single site, and they can also appear to come from many ip addresses so it should be used simply as a rough gauge as to the number of visitors to your server.

Visits occur when some remote site makes a request for a *page* on your server for the first time. As long as the same site keeps making requests within a given timeout period, they will all be considered part of the same **Visit**. If the site makes a request to your server, and the length of time since the last request is greater than the specified timeout period (*default is 30 minutes*), a new **Visit** is started and counted, and the sequence repeats. Since only *pages* will trigger a visit, remotes sites that link to graphic and other non- page URLs will not be counted in the visit totals, reducing the number of *false* visits.

Pages are those URLs that would be considered the actual page being requested, and not all of the individual items that make it up (such as graphics and audio clips). Some people call this metric *page views* or *page impressions*, and defaults to any URL that has an extension of **.htm**, **.html** or **.cgi**.

A **KByte** (KB) is 1024 bytes (1 Kilobyte). Used to show the amount of data that was transferred between the server and the remote machine, based on the data found in the server log.

Russ, KB8DPN

PA DXpedition

Just an FYI... I will be on a Camping/QRP/AO51/ & any/all other radio related operations starting Monday 10/29/2007 to Friday 11/02/2007. The destination is a primitive camping area called "Hearts Content", located near Pa route 62, near a town called Tidioute. I expect we will be on the air by 1PM on Monday. Grid Square FN01

Although I don't have a specific operating schedule yet, here is what our general operating frequencies and times may be.

7AM to 9AM, 7.255 and 7.258 (ECARS and MIDCARS)

9AM to mid afternoon 14.272 USB

7AM to bedtime, AO51 attempts as passes are available (Special thanks to Ed, N8EQJ, for re-lighting the radio spark)

QRP hikes into the wilderness, unscheduled, but daily. Check 18.1575 USB for any HFPAK operations from my backpack station.

Check the HFPAK website and also the YahooGroups page for HFPAK.

Both have excellent information regarding QRP portable operations.

I'm taking the following equipment:
ICOM IC 820H, high power, multi-mode VHF/UHF Arrow antenna for AO51 and any other birds, camera tripod ICOM IC 706, as backpack/HF radio with various antennas All of my HT radios, THF6, VX7R, VX5R.

As a group, we all take turns operating, so look for the following: Dan WD8MDF, Larry WD8MDE, and Jim K8WRP.... and myself, when I'm not at the chili pot.

If I have any cell coverage (never have at this location), I will attempt an ECHOLINK contact. I will try to provide frequency and time updates.

Thanks all and I am looking forward to any contacts! 73

Dave, WB2DFC

Need Batteries? Help PCARS

PCARS has partnered with Interstate Batteries to provide additional funding for the club through the Interstate Batteries online fundraising program.

There are over 10,000 different batteries on the website, and they're shipped to your doorstep in just a few days. You already buy these for your remotes, cell phones, lap tops, digital cameras,



etc. Just enter our coupon code when checking out & PCARS gets helped.

HERE'S HOW IT WORKS:

1. Visit www.interstatebatteries.com to start ordering batteries.
2. Enter your shipping information.
3. Enter your form of payment on the secured website.
4. Enter **PCARS** in the coupon code field during checkout and Interstate Batteries will give a percentage of the total sales amount back to PCARS throughout the year!

Pictures from the October Meeting



Thanks & 73

Well, that's the 11th issue of the PCARS newsletter the 'RADIOGRAM' for 2007. I appreciate your help in getting material for me. All the members look forward to getting this newsletter every month, so keep sending me those inputs! Thanks goes out to this months contributors: **WB8LCD, KC8PD, W8KNO, K8CMP, KB8UUZ, W3IZ, KB8DPN, WB2DFC, Michael M. Phillips** (from the Wall Street Journal), the ARRL, and the World Wide Web. With your continued help – we can make this a great newsletter.



*Tom - KB8UUZ
PCARS Newsletter Editor*



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

meets the 2nd Monday of each month at 7:00 PM
at the Center of Hope - 1034 West Main Street - Ravenna
All are welcome to attend – Drop in and say hello!



"When All Else Fails - Amateur Radio Works"

PCARS Uses 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

Awards	W8KNO	Joe Wehner
Club Call Trustee	KB8VJL	Al Atkins, Sr.
Club Site Coordinator	KC8PD	Jim Aylward
Contest Coordinators	W8KNO K8CMP	Joe Wehner Chuck Patellis
Field Day	KC8PD	Jim Aylward
Historian	KB8SZI	Peggy Parkinson
KD8CKP QSL Mgr.	KB8VJL	Al Atkins, Sr.
Net Coordinator	WB8LCD	Tom Sly
Newsletter	KB8UUZ	Tom Parkinson
PIO	KC8PD	Jim Aylward
Secretary	KB8UUZ	Tom Parkinson
Repeater	WB9LBI	Bill Fraedrich
VE Team	KC8PD KB8UUZ KB8DPN N4TIE WB8LCD N8XTH N8PXW N8QE K8CMP N8EQJ	Jim Aylward Tom Parkinson Russ Anderson, Sr. Carl Capps Tom Sly Deron Boring Jim Korenz Bob Hajdak Chuck Patellis Ed Polack
Web Master	KB8DPN	Russ Anderson, Sr.

PCARS Mentors – Need some help or advice?
Contact by email at <callsign>@portcars.org

1. Wire Antennas	10. QRP	19. Help - Kenwood	Code	Contact
2. Beam Antennas	11. Satellite	20. Help - Yaesu	17	Jim - KC8RKV
3. APRS	12. VHF	21. Help - Boat Anchors	5, 24	Bill - WB9LBI
4. Contesting	13. PSK-31	22. Amplifiers	1, 4, 9, 12, 14, 16	Tom - KB8UUZ
5. CW Operation	14. Mobile (install)	23. EmComm	3, 6, 8, 12, 14, 17, 23, 25, 26, 19, 20	Russ - KB8DPN
6. DF (Fox Hunt)	15. Computer Logging	24. Traffic Handling	1, 5, 10	Tom - WB8LCD
7. DXing	16. QSLs	25. FEMA / NIMS	2, 6, 14, 17, 23, 25	Jim - KC8PD
8. Experiment/Ckts.	17. Echo Link	26. Computer Hardware	4, 5, 9	Joe - W8KNO
9. HF Phone	18. Help - Icom		2, 7, 9, 12, 16, 19, 20, 21, 22	Chuck - K8CMP



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