



The RADIOGRAM

When All Else Fails ~ Amateur Radio Works



December 2007 ~ Official Newsletter of the Portage County Amateur Radio Service, Inc. (PCARS) ~ Vol. 2 No. 12

~ 2008 Officers ~

President: - Tom Sly - WB8LCD
 Vice President - Jim Aylward - KC8PD
 Sec/Treasurer - Tom Parkinson - KB8UJZ
 3 Year Trustee - Chuck Patellis - K8CMP
 2 Year Trustee - Russ Anderson - KB8DPN
 1 Year Trustee - Al Atkins - KB8VJL

~ 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

We have just finished up our fourth consecutive Technician Licensing Class at Maplewood Career Center. They say that the best way to learn a subject is to teach it. In addition to what I've added to my own knowledge base, I'd have to say it's one of the most personally fulfilling activities I've experienced in this Great Hobby! It's a real joy, and an honor, to see the fun some of our new Hams are having in the hobby and to know that I had a part in getting them started.

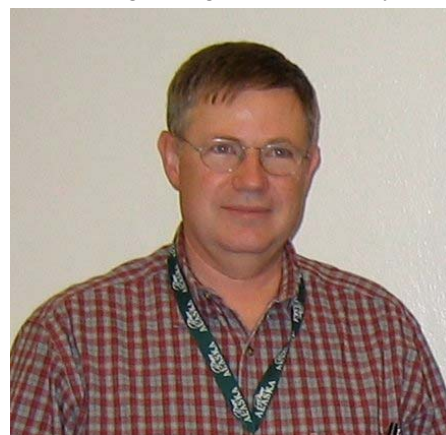
In our class, we look at the radio spectrum and how it's allocated to all of the different services that need to be accommodated. When you think about all of the commercial, military and governmental uses of the radio spectrum, it's a real "eye opener" to consider how much radio spectrum is actually allocated to the Amateur Radio Service! The space we occupy is probably worth millions, if not billions of dollars.

In the United States, there are approximately 712,000 licensed Amateur Radio Operators. In relation to the total population of the United States (approximately 301 million, July 2007 estimate) that's miniscule! Don't think for a minute that commercial interests aren't using these numbers to try to convince government to take these frequency allocations away from us. Who's watching out for us, protecting our interests? Our most effective advocate is the American Radio Relay League (ARRL).

On a state by state basis, Ohio has the 5th highest number of licensed Amateur Radio Operators. (The rankings are as follows: California - 90,700, Texas - 42,900, Florida - 38,100, New York - 28,300, Ohio - 28,200, Washington - 24,800, Pennsylvania - 23,200, Illinois - 21,000, Michigan - 20,600, North Carolina - 18,000. These 10 states represent 47% of all licensed hams.)

Of the 28,200 hams in Ohio, only 6094 are members of the ARRL. That's about 21.5%, which tracks the national average exactly. Nationwide, 152,589 of the 712,000 licensed hams are members of the ARRL.

What's wrong with this picture? Less than 25% of the members of our hobby support the one organization that is fighting to keep the most important resource we have, without which we would have no hobby! I don't expect anyone to be 100% in sync with everything the ARRL might do. We're all individuals and we all have our own opinions- and that's OK! But I want to ask you to consider becoming a league member if you're not a



member or maybe even a contribution to the Spectrum Defense Fund if you're already a member. We need to support the one organization that's out there defending our allocations of the radio spectrum. As I pointed out at the October meeting from the editorial in CQ Magazine, the ARRL does an excellent job on our behalf in this area.

I hope you've all enjoyed PCARS year 2 as much as I have! We're looking to make year 3 even more fun, so stick around and most importantly - participate. I hope the Holiday season is good to you and your families. Merry Christmas to you all!

73

Tom, WB8LCD

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From the Vice President

Two years. Can you believe it? PCARS has been up and running for two years now. I can't decide whether I am more amazed at how quickly the time has passed or more in disbelief that it has only been two years. At times it seems like we have been at this forever.

There are a lot of naysayers in the amateur radio community who will tell you that hams these days just are not interested in club activities and that the era of the ham radio club has passed. Boy, are they kidding themselves.

Ham radio is not so much different from a lot of other traditional social activities (and yes it is very much about socializing since it is all about communicating with others) that have found it much more difficult to recruit and retain members. It doesn't matter whether it is a fraternal or veterans group, a service organization, or bowling league. Three or four decades ago there wasn't as much competition for people's time and attention. If you wanted to get together with other folks you got out and participated in group activities. Not so much anymore.

Now if you have kids you may spend a big chunk of your time just getting them around. Your job demands may be greater and if you are looking for entertainment you may find it on the hundreds of available cable or



satellite channels, or on the internet, where it may also be interactive. People don't get out and do as many things as they used to. So if you want to get them to attend your group's functions you better offer them

something that makes it worth their time.

The old model for running a ham radio club was typically to have a monopoly on local club activities and then just be able to expect that if community members wanted to get involved in area ham radio activities they had to come to you. Plus, they pretty much had to accept what you offered them. There wasn't any other option.

As the hobby of ham radio has struggled to maintain its relevance, so have the clubs around the country that have stuck to the old way of doing club business. As a result, the number of those clubs and the number of their truly active members have declined.

From the start, those of us who have been most actively involved in club operations have believed that if PCARS was going to be a success we had to treat it like a business. It had to offer a product that its "customers" (the members) would find valuable enough to invest their own time and energy into. Whether a meeting or an activity, it had to be something better than anything else a member could have done at that same time. It had to be open and welcoming, informative and relevant, flexible and progressive. It had to recognize that not all

of its members would have the same interests so its "product line" had to be varied and it had to survey its "consumers" to find out what they wanted. It did not want to bog the members down in the day-in, day-out operations of the club. And it always had to be fun!

That is why we try to have a different program at every meeting, and meetings at places where you can enjoy yourselves. We really mean it when we say that we want to know what aspect of the hobby interests you, whether it's Echolink, contesting, QRP, digital, satellites, DXing, mobile, emcomm, portable, foxhunting, anything having to do with amateur radio, and we will work it into the schedule.

In year two some things got a lot easier because we had been through them in the first year. But no matter whether it is Field Day, Freeze Your Acorns Off, the Ohio QSO party, the Black Squirrel special event station, or the Two Meter Simplex Sprint, we will never let it get stale or old. We are satisfied with what we have done but we are not complacent. Everything can be improved.

The club station is just getting off the ground. Imagine what all we will be able to do with it in the future! We want you to be involved in the planning and development of the station.

The club will soon be starting its fifth Technician class. There are around three dozen new hams in the area as a result of the class at Maplewood. If you want new hams and new club members, you need to help them get licensed and not stop there. You have to provide mentoring and a way for them to learn how to develop and apply the skills that the license provides them. We are also working on plans for a General Class course for Tech's who would like to upgrade and gain access to the full range of HF operations.

All of this has taken a lot of work. Nobody said running a business was easy. But it has been a labor of love for all of us and our constant return on that personal investment has been seeing how much PCARS members have enjoyed themselves participating in club activities.

On behalf of myself, Tom, WB8LCD, and Parky, KB8UUZ, I would like to express our thanks for your confidence in returning us to office for another year. But everyone needs to remember that we have term limits that will be expiring at the end of 2008. This is your club and we want you to be involved in running it and sustaining it. We have a lot of pride in what PCARS has accomplished, but we didn't do it for us, we did it for all of the present and future PCARS members.

The camaraderie and fellowship of amateur radio are extraordinary. I feel like I have made more new friends in the past two years than I had in the rest of my life. You will never find a hobby that has a more diverse membership. It is incredible. When you least expect it you meet someone who turns out to be a fellow ham and you have an immediate connection to them. What other hobby can provide all of this?

Wishing you and your family a Happy New Year and all of PCARS members an excellent Year Three, 73...

Jim, KC8PD

PCARS Christmas Party

By the time you're reading this, it's almost too late! I need your reservation by December 1st, or within 24 hours of reading this. Payment of \$16.70 per person (not including tip) must be received no later than December 5th. Remember, spouses, significant others, children, parents and any other "friends of PCARS" are all invited to the Christmas Party.

This year we'll be at the Mike's Place Catering Hall in Brimfield Plaza, at the corner of SR 43 and RT 18, just south of RT 76. There is no bar at the Catering Hall, but adult beverages are acceptable on a BYOB basis.



We would also like everyone to bring a tray of your favorite Christmas cookies to share for dessert. Santa will be there to pass out gift exchange gifts. If you have a gift you want Santa to deliver to your children, please mark it

appropriately and obviously. For the rest of us, Men, please bring a ham radio related gift in the \$5 to \$10 range, and Ladies bring a "ladies gift" in the \$5 to \$10 range. Please mark your gift as OM or YL.

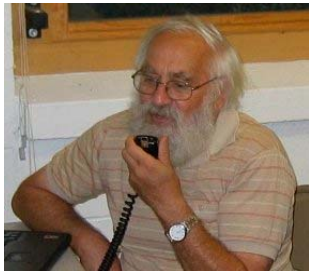
While there will be a minimum of PCARS business to conduct, I do plan to present the "Presidents Award" at the Christmas Party this year. Note to the winner: you better be there!

Please, make an effort to celebrate with your PCARS friends. This will be the official end of our second full year of PCARS activities and will help set the tone for our upcoming year. I hope to see you all there!

Tom, WB8LCD

Paper Chase

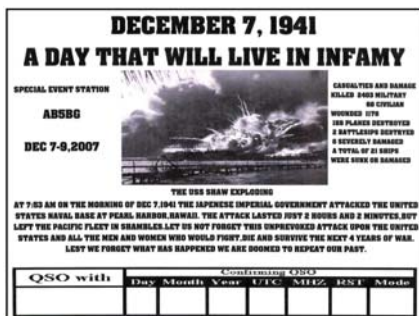
I started writing this on Sunday the 25th, a month before Christmas. I thought first of the special awards you could obtain for working one of the Special Event stations celebrating Christmas. I then remembered there is another important day in December that we should not forget, December 7th. The "Day of Infamy" as President Roosevelt called it. The following is a brief description of what occurred least we forget or were never taught in history class at school.



The attack on Pearl Harbor was a pre-emptive military strike on the United States Pacific Fleet base at Pearl Harbor, Hawaii by the Empire of Japan's Imperial Japanese Navy, on the morning of Sunday, December 7, 1941 that made the United States enter World War II. Two aerial attack waves, totaling 350 aircraft, were launched from six aircraft carriers with the intent to destroy the United States Pacific Fleet.

The attack wrecked two U.S. Navy battleships, one minelayer, and two destroyers beyond repair, and destroyed 188 aircraft; personnel losses were 2,333 killed and 1,139 wounded. Damaged warships included three cruisers, a destroyer, and six battleships (one deliberately grounded, later refloated and repaired; two sunk at their berths, later raised, repaired, and restored to Fleet service late in the war). Vital fuel storage, shipyards, and submarine facilities were not hit. Japanese losses were minimal, at 29 aircraft and five midget submarines, with 65 servicemen killed or wounded.

To remember this event, Don Goff, AB5BG, will operate a special event station from 0700Z till 2359Z on December 7th, 8th and 9th. You will find him around 7.235, 14.260, 21.220 or 28.360 MHz.



If you would like a certificate send a SASE either in a size 10 envelope and your certificate will come folded or a 9x12 inch envelope if you want your certificate flat.

Mail this to: Donald Goff, 1210 Ardmore, San Angelo, TX 76905.

Hope to hear you in the pile ups!

Joe, W8KNO

Charlie the Tuner's HF Hi-Lites

One of our busiest months is now here. December with Christmas and New Year's at the end of the month and all the preparations that go into this holiday season. As I type this column, my wife is decorating the living room of our home and getting ready for the holidays.

One thing I have noticed over the month's of writing this column is that when there is a big contest toward the end of any month, the DX information concentrates on who will be competing in the contest that month and almost ignores what will be happening the following month.



This month is no different. With the CQ World Wide DX CW contest held November 24-25, DX reports for December were very sparse. I've tried to put together some information for those of you who will be looking for some interesting DX for the month of December. So let's see what we can find.

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DX

5R8 – Madagascar PG0A is active holiday style as 5R8NL from Madagascar until December 7. QSL via PA7FM.

C5, THE GAMBIA. Two Belgium operators will be here next year. ON7YK, will once again be active as C56YK from February 11th through March 6th. Activity will be on 160-6 meters SSB. He will use a 80/40m FD4 antenna and spider beam for all the other bands. QSL C56YK via the info on QRZ.com. QSL Manager: Bourbon Andre, Route de Xhoffraix 30, B-4970 Hockai-Stavelot, Belgium. Also, look for ON4LAC, to be active as C56JC, between February 12th and March 5th. He will focus on the PSK and RTTY modes with some SSB. Listen for QSL info.

E4 – Palestine - OM2DX, OM3JW, OM3PC and OM5RW will be active as E4/OM2DX from Palestine on December 14-22. They plan to operate CW, SSB and RTTY on 160-10 meters with two stations. QSL via OM3JW.

F – France - A number of special stations will be activated for the 21st annual Telethon, the fund-raising event organized by the French Muscular Dystrophy Association that will take place on December 7-

8. Expect activity from TM8T (November 26 – December 9) and TM4AFM (December 8-9) among the others.

HS – Thailand - Special event callsign HS80A will be aired all day on December 1 (local time) to celebrate the 80th birthday of His Majesty the King of Thailand, Bhumibol Adulyadej (HS1A).

KH0 - Saipan - JF1OCQ (W1VX and KH0D), JE1SYN (N3YS) and J11PJ (AB2WE) will be active from Saipan, on 7-10 December. They plan to operate CW, SSB, RTTY and FM 80-10 meters. QSL via home calls.

SOUTH-EAST ASIA TOUR. SM5GMZ, will be traveling through South-East Asia starting in January 2008. He states, "Unless something odd happens, I will stay in the region until April and – when not working - try to operate as much as possible." His schedule is as follows: January - Activity as HS0ZFI from Thailand (all bands and all modes), concentrating on 30/17/12 meters and the low bands. January/February - Activity as XU7ADI from Cambodia (all bands and all modes). March - Activity as 9M6/SM5GMZ from East Malaysia. He will also be active in the WPX Contest from Sarawak as 9M8Z. Also, activity from Brunei (V8). April - Still open. Maybe some surprises! All QSLs are via SM5GMZ.

XT – Burkina Faso - F1IQH will be active as XT2WC from Bobo Dioulasso, Burkina Faso from December 6 until late December or early January. QSL via home call.

IOTA

3D2 – Rotuma - 3D2AG/FO5RK expects to depart for Rotuma on December 1 and reach the island by the 3rd. Because of his busy work-related schedule during the first two weeks, Tony will be able to operate full time only from 15 December, hopefully until end of January.

5H, TANZANIA. DL7CM, will once again be active as 5H1CM from Uroa White Villa, Zanzibar Island (AF-032, Grid KI93, WLOTA LH-1080), January 13-24th (2008). He will be here on holiday with his wife, so activity may be limited. Activity will be on 160-6 meters (mainly on the low bands), CW, SSB and RTTY. QSL via DL7CM.

GJ – Jersey - Look for MJ0RLJ, MJ0JZE and GJ5XW to be active from Jersey (EU-013) on December 7-10. Their main plan is to operate SSB (with some QRS CW) on 40, 80 and 160 meters during their nights. All QSLs direct to G5XW.

OA - OA4BHY, DL5YWM, DL2JRM and DL3OCH will be operate CW and SSB from two rare IOTA groups between late December and early January: December 28-30 OC6I Isla Blanca SA-098, January 2-7 OC1I Isla Lobos de Tierra SA-076. QSL OC6I and OC1I via DL5WM (direct or bureau), others via home call. Please note that the postage from Germany to Europe is EUR 0.70 (USD 1.10), for destinations outside Europe it is 1.70 EUR (USD 2.60).

P4 - Aruba - K6TA (P40TA) and K6KO (P40K) will operate from Aruba (SA-036) from November 28 to December 18. This will include entries in the ARRL 10 Meter Contest (December 8-9, P40K). QSL both callsigns via WM6A. Logs will be uploaded to LoTW.

Light Houses

EA - EA7TV plans to operate as AO7TV/P from the lighthouse at Punta del Perro (ARLHS SPA-301) on December 1-2. QSL via home call, direct or bureau.

Well that's it for now. The XT from Burkina Faso should be on everyone's list to try and work. Also the

Palestine group since there have been no stations working there for the past 8 years. I want to hear from you folks on what you have been working. Carl, N4TIE, reported that he worked Bosnia in November. Let me know what you are working or hearing and I will make it a part of this column.

Until next time, 73

Chuck, K8CMP

2008 Dues are Due

Yep - it's that time of year again. The 2008 dues for PCARS are due *no later than* January 31, 2008. A new dues structure is in place for Senior and Family memberships. Check out the PCARS web site for the latest form to be used that has the new dues.

Tom, KB8UUZ

PCARS 2008 Officer Election Results

The annual PCARS election of officers was held at the November 12th meeting. Officers for 2008 that were elected are: President - Tom WB8LCD, Vice President - Jim KC8PD, Treasurer - Tom KB8UUZ, and Three Year Trustee - Chuck K8CMP.



PCARS Receives Grant from SAFECO Insurance

The following was published in the Record Courier:

A8 Tuesday, November 20, 2007

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LIFETIMES

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AMATEUR RADIO SERVICE RECEIVES DONATION

Martha Colbert, field representative for Safeco Insurance, presents a check for \$5,000 to Tom Parkinson, left, KB8UJZ, treasurer, and Tom Sly, WB8LCD, president, of the Portage County Amateur Radio Service, Inc. Safeco, which supports disaster relief efforts, awarded this grant to PCARS to assist the group in providing emergency communications.



EmComm

For this month's column I am going to borrow an idea from an article titled "The 'No-Go Kit' by Don Rand, KA5DON, that appeared in the December **WorldRadio** magazine. By the way, if you are not familiar with **WorldRadio** you owe it to yourself to check it out. Though slimmer than the better known **QST** and **CQ** magazines, and printed on newsprint style paper, it is always informative and thought provoking. And it's a bargain at twenty-one bucks a year.

It was the title of Don's article that caught my eye. What the heck did he mean by a 'No-Go' kit? Locally we have spent plenty of time considering the contents of a go-kit, including a presentation at one of last year's PCARS meetings and some fine work done by Chuck, K8CMP, on behalf of the Portage County RACES program.

What Don wanted hams to think about was the exact opposite of what you need if you have to quickly pack up and deploy to some local or distant location and want to have communication and personal supplies ready at hand. Instead, he suggests that we need to make alternative plans for the supplies we and our families may require if circumstances necessitate that we hunker down at home for our own safety.

He considered the topic after attending a state planning meeting that considered potential responses in the event of a flu pandemic. A pandemic would result from a new flu virus that people have no immunity to, for which we lack current effective vaccines, that has a

reach that may be national or international, and causes havoc for 12-18 months.

In order to mitigate or diminish the effects of the pandemic, three steps are necessary: 1) Social Isolation, avoiding contact with people outside your home, 2) Social Distancing, maintaining a distance from others when you must leave home, and 3) personal protective equipment, such as masks and anti-microbial cleansers.

The best way to deal with the first two is to ensure that you have all of the personal supplies, particularly food and water, that your household may need for up to six months. That should also include the ability to sterilize water and to provide alternative electrical power.

What does this have to do with ham radio and emcomm? Well the first order of business for emcomm volunteers is personal safety. If you put yourself at risk or in harm's way you are very likely to suffer injury or illness that may immediately render you ineffective for emcomm service. So that includes the ability to safely operate the necessary radio gear from home or other safe location without exposing yourself to serious risks, whether from a disaster or disease.

Plus you never want to be a burden on the agencies that you serve. Your needs should never be their problem.

This column has stressed in the past that you need to be sure that if you ever are deployed to assist at some location other than home that your family members have all that they need while your are gone. The last thing you need is to be constantly worrying if you left them safe and well supplied.

The first of the year will soon be here. Why not start it off with an inventory of the personal and household supplies that you currently have, their shelf life and expected replacement dates, as well as the additional supplies that may be necessary for an extended period of time. This is not some Y2K or "the sky is falling" sales pitch for buying a year's worth of MRE's. It is just the suggestion that if you hope to put your amateur radio skills to work in disaster relief or communication disruptions you need to be sure that you can safely sustain yourself for the duration of the effort.

Having said that, best wishes to all for a very safe and very happy, disaster-free, New Year.

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, KB8UUZ

PCARS VE Test Sessions

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

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:

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

April activity – TBA

May – TBS – Antenna Day – dry run for Field Day

June 28th and 29th – Field Day

December Contest Calendar

Wake-Up! QRP Sprint	0400Z-0429Z, Dec 1 and 0430Z-0459Z, Dec 1 and 0500Z-0529Z, Dec 1 and 0530Z-0600Z, Dec 1
ARRL 10-Meter Contest	0000Z, Dec 8 to 2400Z, Dec 9
Int. Naval Contest	1600Z, Dec 15 to 1559Z, Dec 16
Run for the Bacon QRP	0200Z-0400Z, Dec 17
RAC Winter Contest	0000Z-2359Z, Dec 29
Original QRP Contest	1500Z, Dec 29 to 1500Z, Dec 30

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". The embroidery is in Red, Black and Blue. Cost for a patch is \$2.00 each and can be obtained at any PCARS meeting.



PCARS
www.portcars.org

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

While I was trolling down the 20 meter band during the recent CQWW SSB Contest, I heard a station trying to complete a QSO and he was having a problem with the receiving station not understanding his suffix. He used the correct phonetics saying " Juliet Charlie Alpha", but the receiving station would have him repeat his suffix over and over again.

The transmitting station even tried to use other combinations such as "Japan China Australia". Finally in desperation, he said, "Jesus Christ Almighty." The receiving station came back saying, "I understand that!" and confirmed the QSO.

I continued to listen until the receiving station identified himself, HV50HV ----- The Vatican.

Joe, W8KNO

Happy Birthday PCARS Members

Ten PCARS members having a birthday in this month!

KC8PD	Jim	Aylward
N8XTH	Deron	Boring
KC8RKV	James	Godfrey
KD8EPE	John	Hart
KC8RJR	Errol	Jordan
KD8FLV	Larry	Krempasky
KD8FLW	Kathleen	Leasure
KC8PHY	Philip	McCoy
KB8AMZ	Terry	Morris
N8EQJ	Edward	Polack



Swap-N-Shop

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 Time is Running Out!

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.

Echolink

Hams tend to be CHEAP. Maybe that's what has made us the inquisitive breed we are. Maybe it's that grumble "I'm not gonna spend X number of dollars when I can do it myself" attitude. Suffice to say that one word that appeases the heart of a ham is the word FREE.

A universal ham formula is: FREE + CHEAP = I MIGHT TRY IT.

Enter Echolink. Echolink is not a new buzzword here in our PCARS circle, we have had check in's from "Around the corner to around the world" on our 2m Thursday night local net via the KC8RKV Echolink node connected to the N8EQJ repeater. Jim, KC8RKV

has even done a program on Echolink at one of our PCARS meetings.

If your new or haven't been paying attention, here is what Echolink is. The industry buzzword is ROIP. That stands for Radio Over Internet Protocol. The basis for ROIP is that you can have your microphone and PTT (Push to talk) switch located miles away from the actual transmitter via an audio link that uses the Internet. What you may not know is that there are THOUSANDS of radios, repeaters and links all around the world available to you, humble ham radio operator, to use and have fun with.

Where this story is going, with CHEAP and FREE is that everything you need to experience one heck of an exciting ham experience might well already be sitting right in front of you. If you have a computer, even a relatively old outdated one with an internet connection, your in.

The Echolink software is FREE. It can be downloaded at www.echolink.org. The CHEAP part is that if you lack anything, it's usually a microphone, and those can be had for as little as \$5 if you look around. Radio Shack has a really nice set of headphones with a boom mic for around \$20. (Model: 33-1187)

The other cheap part is that the computer I used for my Echolink project cost me \$5 at the local Goodwill Store. It's a Pentium II Gateway brand with all of 128M of RAM. That's about as CHEAP as you can get, unless you can get one FREE.

Read that as, no antennas or climbing up on the roof, no expensive radio to buy. No running antenna cables though and around the house. Minimal investment and a little time. Wanna work 2m? It's there. Wanna check into the PCARS net? It's there. Wanna talk to an Australian via his local 2m repeater, just like you were there? Wanna connect up and experience 900MHz? Wanna work HF? It's all available via Echolink.

My Echolink station includes the aforementioned Pentium II and a Shure highball microphone. I just use regular computer speakers to listen, or I can switch in a set of headphone if I want.

Not convinced? You have to read on and see how I wrap this story up.

On 11/26/2007 10:00 PM local I'm testing my Echolink audio levels. I log into the Echolink system ECHOTEST and hear how my repeated audio sounds to the world. Happy with my results I peruse the stations connected into the system. Over 4000 users are online tonight. The station lists are separated by continents, and eventually I choose Asia. In the sub list that comes up is a repeater that shows 6 stations are connected to machine in Taipei, Taiwan. I connect.

At this point I hear a stereotypical Bronx, NY accent of Tom, KB2HZE calling "CQ DX." I pause and wait, and then I chime in that "I'm KB8DPN from Ravenna, Ohio -- I'm not really DX, but wanted to say hello." Tom and I exchange pleasantries and he explains that we are connected "worldwide" via 15 other repeater systems around the world. I explain my location as Northeast Ohio, around Akron/Cleveland area. To my surprise, we begin to roundtable with another ham -- another 8 call. Turns out to be Mark, KB8DFB -- from Hudson, OH.

If you missed the irony, here it is: I'm connected via the Internet using a repeater system in Taiwan, which is connected via a link to the Bronx, NY, who has linked 15 various repeaters worldwide, including one in Parma, Ohio to which Mark, who is around 10 miles away from me is connected to as he drives down the road. Small world.



As the roundtable discussion progresses through the night, repeaters all around the world are linked in. Anchorage, Alaska. St. Martin. KD5YZG mobile near Fort Sam Houston, TX joins us using the 147.140 MHz KC5EZO Repeater in Austin Texas. As does Larry, KD5AAS.

About this time Eddy, KD8FTS checks in via the Parma, OH repeater. He heard me bragging it up about PCARS and all the fun were having with ham radio, and also some comments I made about APRS. Eddy's into APRS, and we go off on a rabbit trail talking about the new Kenwood D710. He checks his APRS display and notices my APRS call and location listed when I parked my cars at 4:30 PM.

Tom from NY is still working his system magic and soon were all hooked up into a repeater in Sydney Australia, where Tony, VK2FREL (Yes, that's a 2x4 call.) joins in. It's now 1 AM local time and I should already be in bed. We all pause at the top of the hour as all of the machines ID all around the world.

Another link added and Steven, K0SD, a mobile heading to Miami, Florida, on Interstate 95 via a 440 repeater joins the fray. Traffic is merging from four lanes to 1 in the balmy Florida evening proving that Ohio isn't alone with it's road construction woes.

I get to telling Tom in NY about the KC8RKV link

here locally, and before long he's calling CQ DX via our beloved N8EQJ 148.895. I hate to leave, but I have to get up in oh, 3 hours -- so I say my 73's all around and logoff.

Phew. Still think Echolink isn't "real" Ham Radio? I've talked all around the world before using HF, and you know your signal gets sucked up into the ether and bounced back to earth SOMEWHERE. But I have to say that this was an awesome and strange experience knowing that my voice and signal was being heard globally on all continents every time I pressed my space bar. What an experience.

As I head to bed, I hear our local repeater, still linked into the Echolink mix as NY Tom starts a QSO with a ham in Dublin, Ireland.

Russ, KB8DPN

PCARS Christmas Party Meeting

The Portage County Amateur Radio Service (PCARS) next meeting (December 10th) will be at:

Mike's Place Catering Hall

(NOT at Mike's Place)

located at:

4076 State Route 43

in the Brimfield Plaza

***at the corner of Route 43 and Route 18 on
Brimfield Street, Brimfield, OH.***

**PCARS meeting - 7:00 pm
Brimfield, OH See You There!!!!**



Soundcard Interface Club Activity

All of us at PCARS owe a huge thank you to Rick, K8CAV, and Deron, N8XTH, for their outstanding efforts at putting together the Soundcard

Interface kits. Rick got the kits off the ground with the circuit boards that he created a while back. Then he and Deron put together the parts list, ordered up all of the pieces/parts, and drilled and labeled the enclosures.

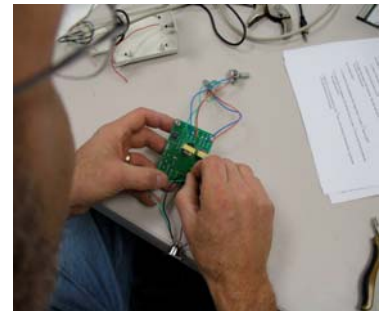


When everyone picked up their kits on November 17, they were neatly packaged along with detailed

directions prepared by Deron plus Rick's schematic drawing, and each kit came with a CD of software for the most popular digital modes. It was an exceptional bargain at \$25.00.

Fifteen kits had been prepared along with Deron's prototype. He took the time to build a kit prior the activity date so that he could anticipate any problems that other club members might run into.

Only three kit purchasers were unable to attend the construction session so we had a dozen hams filling all of the tables in the Community Room at the Family & Community Services offices on the Oakwood campus. Everyone brought their own tools and soldering gear and graciously shared what anyone else might need. Other PCARS members dropped by to visit and enjoy the morning with us and to provide assistance where needed.



By about 9:30 the irons were heating up and before too long the smell of solder was in the air. The PCARS members at the tables had a broad range of experience in kit building or other hands-on electronic construction skills. But the kit was a perfect way for even the novice builder to get his hands into a project that would never prove too challenging. Even if it meant taking his glasses off so he could read the tiny letters on the circuit board.

Average construction time was about an hour and a half. Rick had brought in his Icom 7000 and had it feeding a Buddipole outside that was tuned up for the digital portion of twenty meters, 14.070 MHz. Rick had time work some PSK31 QSO's before it became time to start testing each of the completed kits.

Deron worked his way around the room offering pointers and tips to everyone about the kits and answering questions for anyone who was confused.

As each kit was finished, Rick would hook it up to his computer and transceiver and quickly be able to tell whether it was working properly or not. Not surprisingly at least a few had a couple of small glitches that Rick was able to diagnose and explain how they could be corrected.

By noon folks started packing up their kits and heading out with big smiles on their faces. What a great morning of ham radio fun. Who says hams don't build



their own gear anymore? This activity ranked right up there with the PAC-12 antenna for popularity. If there is enough demand we may try to impose on

Rick and Deron to put together some more kits and offer them to hams from other clubs in the surrounding area.

Next up, Rick, K8CAV's Digital Modes Workshop in January. Then we can put all these kits to use, particularly at the Freeze Your Acorns Off QRP event, the perfect opportunity use those efficient low power modes such as PSK31.

Jim, KC8PD

Center of Hope - Holiday Food Drive

Tom, WB8LCD and Ed, N8EQJ delivered the food and money collected for the PCARS donation to the Center of Hope. PCARS made a \$350 cash donation plus a table full of food.



Tom hands the donation to Sister Denise Stiles, from the Center of Hope as Ed watches.

Eye Ball to Eye Ball - KC8RJR

This month's E2E is with Errol Jordan who resides in North Canton. This has been Errol's QTH for about 3 years now. However, Errol was raised in North Canton so he seems most at home there. Errol's previous residence is still owned by him and that is a farm in Columbiana County. He had moved to the farm in 1974 and still spends weekends there just to get away from "big city life".

Errol told me that his journey to become an Amateur Radio Operator began some 40 years ago. At that time he happened to be working for a company along with our very own Bobby Pruett – WB8FEW. Both got interested in HAM radio at that time and so they both decided to start studying for the tests. Bobby seemed to have no trouble learning the code but Errol, like so many of us, had a problem getting the code to stick. He had no problem with the written portion of the material but could not master the code. So he let his interest pass.

Many years went by and after Errol's father passed away, he came across an old general coverage short wave receiver that his dad had. His mom told him to take it since she had no use for it. Errol started to listen to it and who should he hear but WB8FEW, Bobby Pruett. Errol listened and found out that there was an Amateur Radio club that was meeting and decided to go and find out what it was all about. Bobby wasn't there but Errol did meet Roger Steiner – KB8JHS (SK). Roger had a rig there and they made contact with Bobby. To make a long story short, Errol got his interest back and decided to make a go of it. He passed his test in 2001 and later while taking his test for General, he met KC8PD who had just taken his Extra Class test the same night. Jim was offering his Extra Class study notes to anyone wanting to upgrade and after some discussion, Errol took Jim up on accepting the notes. The rest as they say, is history. Errol now holds an Extra Class Amateur license and is one of PCARS Charter members.



Errol's shack houses a Yaesu FT 1000 Mark V, an FT 2600 2 meter rig and a T605 Dual Bander. His base antenna system consists of a center fed Zepp at 150' long, a 6 meter beam and a 2 meter beam. He also has a Yaesu FT 897 D in his vehicle.

Errol's main interest is in rag chewing on HF and VHF and has tried his hand at PSK 31. He doesn't compete in contests and is really not interested in simply making a contact to give a signal report. So, like many of us, he likes to rag chew. Please say hello to Errol the next time you see him at one of the meetings. I want to thank Errol for allowing me to interview him and allowing all of us a chance to know him better.

Chuck - K8CMP

Photostamps and More

One of the true gifts of amateur radio is the opportunity to make an acquaintance with someone that you would never have met or spoken to but for ham radio. On a recent Sunday I was fooling around with PSK31 on twenty meters and answered a CQ from Joe, W6VI. The band was busy, lots of vertical streamers on the waterfall, and although Joe's signal was not the strongest it still allowed for perfect copy.

What followed was about forty-five minutes of enjoyable conversation. PSK31 is such a great keyboard mode that even let's you backspace over your typing errors! Anyway, I could not help mentioning PCARS and the soundcard interface project. Turns out that sometime back Joe had started working on virtually the same project but had misplaced the schematic. So that gave me the chance to send him Rick, K8CAV's schematic and our e-mail exchange began.

Joe is no slacker when it comes to the technical side of the hobby, as you can tell from this photo of his workbench. He loves kitbuilding and tinkering, even having recently built three, count 'em, three Elecraft K2/100's for a church missionary program. I figured that with his expertise he must have come to the hobby from some technical job. Nope, turns out that he is a fellow law school grad who is now a claims litigation manager for an international insurance lines insurance carrier.



And ham radio is not Joe's only hobby. He is also into flying, competitive pistol shooting, and 35mm rich field astro-photography. As he put it in one e-mail, he "can turn in any direction and have a bottomless pit ready to eat discretionary income like a galactic black

hole, hi, hi!" With a line like that you know you're gonna like this guy.

Joe also sent along a QSL card and told me to keep an eye on the envelope for something a bit different. Sure enough, when it arrived it carried a stamp like none that you have ever seen before. The stamp had a black background and in bold yellow letters had Joe's call W6VI with "AMATEUR" and "RADIO" above and below his call.



A while back the U.S. Postal Service announced that it was sponsoring a trial run of personalized stamps that could include photos, business messages, etc., and Joe happened to spot an article in a business publication about it. Not wanting to miss the chance while the opportunity was there, he ordered a number of sheets of stamps with his call. He sent the info along to the ARRL but it did not seem to catch their eye.

The stamp program was not a big commercial hit. The premium price is probably a bit high for business promotions. But for an utterly unique, personalized, amateur radio stamp, how can you beat this? If you want more information you can find it at <http://www.photostamps.com>

And if you want more information about rich field astro-photography, listen for Joe on twenty meters. You never know who you'll meet out there.

Jim, KC8PD

FAR Scholarship Grants

THE FOUNDATION FOR AMATEUR RADIO, INC., a non-profit organization with headquarters in Washington, D.C., plans to administer fifty-six (56) scholarships for the academic year 2007 - 2008 to assist



licensed Radio Amateurs. The Foundation, composed of over seventy-five local area Amateur Radio Clubs, fully funds three of these scholarships. Eleven are funded with the income from grants. The remaining forty-two (42) are administered by the Foundation without cost to the various donors.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have

been accepted for enrollment at an accredited university, college or technical school. The awards range from \$500 to \$3000 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs. Clubs, especially those in Delaware, Florida, Maryland, Ohio, Pennsylvania, Texas, Virginia and Wisconsin, are encouraged to announce these opportunities at their meetings, in their club newsletters, during training classes, on their nets and on their world wide web home pages.

Additional information and an application form may be requested by letter or QSL card, postmarked prior to April 30, 2007 from:

FAR Scholarships - P. O. Box 831 - Riverdale, MD 20738

Applications are also available electronically upon request to AA3OF@arrl.net More information can be obtained at:

<http://www.amateurradio-far.org>

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501(C)(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

The Foundation encourages all qualified amateurs to apply for these awards.

The Foundation for Amateur Radio

PCARS Thursday Net Control

Net Control Schedule



December	
6	KD8EOZ
13	WB8LCD
20	KB8UUZ
27	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.



Some Words From Weaver

BPL and Related Issues

You will recall that the ARRL has brought suit against the FCC in Federal Court in the District of Columbia. Although BPL is listed as the prime issue in the suit, it is far from the only issue. The issue that is at least equal to BPL is FCC's ruling that give Part 15 devices (including BPL) precedence over licensed radio services such as Amateur Radio under some circumstances. Part 15 devices are not licensed and have previously been allowed to radiate signals only provided they did not cause interference to licensed services.

ARRL's day in court was a couple of weeks ago. We don't expect to hear anything from the judges for up to six months. If we win, we expect the Court to direct the



FCC to review its decisions concerning BPL. In this situation, we would expect FCC to develop BPL regulations that are more realistic and consistent with the historic action of the Commission. It

is not a guarantee either that we will win or that our expectation will be fulfilled if we win.

Still on the topic of BPL, we may be seeing the early stages of its novelty wearing off. The FCC reported there has been a sharp decline in the number of homes using BPL for the past year. Consistent with this observation, Duke Energy announced it will not expand its current use of BPL. Duke also said it has no plans to discontinue BPL in present markets such as Cincinnati.

The final comment on BPL is that the new installation for the Lansing, MI, area is reported to use a "non-interfering" version of BPL. The BPL provider has worked with the ARRL laboratory in developing its system.

ARRL Committee Studying Field Organization

Many of you may be aware that the Programs & Services Committee of the ARRL Board has been tasked with studying the governance of the Field Service organization. As a member of this Committee, I can say that we are reviewing the present design and operation of Field Services to see if changes or improvements should be made.

As one phase of the Committee's search for information, a survey was taken of the 73 Section Managers in ARRL. Similarly, Board members and officers were surveyed.

Nothing in the study has been predetermined. The study has not been set-up to obtain pre-designated conclusions and actions. All aspects of the field organization are being reviewed.

Jim Weaver, K8JE
Director ARRL Great Lakes Division

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!

Clean Sweep for PCARS

During the 10-10 International Contest held on October 10th, the 10 meter band left allot to be desired. But that didn't matter to the die hard PCARS members that tried making contacts. And guess what... for the entire 8th call district there were only four entries. And, those four die-hards were all PCARS members who took first, second, third and fourth places!!! It pays to get on the air.

TEN-TEN QSO PARTY RESULTS

SPRINT October 10, 2007 CALL AREA 8

CALL	10-10#	CNTCTS	PTS
K8CMP	74568	004/003	0011
KB8UUZ	67605	003/001	0007
W8KNO	71899	003/000	0006
KB8VJL	68867	002/000	0004

Pictures from the November Meeting



PCARS VE Team

During the December 1st VE session, eight of the ten PCARS VE Team members were present to grade tests for Technician, General and Amateur Extra.



Standing: WB8LCD, N8XTH, KC8PD, KB8DPN
Sitting: N4TIE, N8QE, K8CMP, KB8UUZ

What A Year

2007 is drawing to a close. It's been a great second full year for PCARS. What a fantastic group of people, all having the same goal of having fun with Amateur Radio.

During this past year our club has come a long way and with your continued effort and support, we'll continue to grow and get even better.

Hats off to our President, Tom - WB8LCD & Vice President, Jim - KC8PD for continuing to plan and arrange for a wide variety of projects and presentations. Something for just about everything in this great hobby of ours.

Even if you don't make it to every meeting, or every activity, your continued membership is important to all of us. PCARS even has members in other states that have continued their membership because they see that PCARS is really helping the hobby and they want to be a part of that effort.

I hope to see all of you at the annual PCARS Christmas Party / Meeting on December 11th. During that get together, we'll have a slide show of pictures taken at PCARS meetings and event during 2007. Would you believe it - over 1,300 pictures!! Like I said - What a year!!!

So, on to 2008. Let's bring in some new PCARS members, and get more involved in the fun activities and continue the friendship we have in this shared hobby.

Tom, KB8UUZ

Weather Alert

Just in case Santa brings you one of those nifty weather radios that has the alert system (SAME) built in it. Here are the SAME codes for the surrounding counties. Even in Winter, there may be weather alerts.

<u>COUNTY</u> <u>CITY</u> <u>AREA</u>	<u>SAME #</u>	<u>NWR</u> <u>TRANSMITTER</u>	<u>FREQ.</u>	<u>CALL</u> <u>SIGN</u>
Ashtabula	039007	Cleveland	162.550	KHB59
Ashtabula	039007	Erie, PA	162.400	KEC58
Ashtabula	039007	Meadville, PA	162.475	KZZ32
Cuyahoga	039035	Cleveland	162.550	KHB59
Geauga	039055	Cleveland	162.550	KHB59
Lake	039085	Cleveland	162.550	KHB59
Mahoning	039099	Akron	162.400	KDO94
Mahoning	039099	Youngstown	162.500	WWG56
Medina	039103	Akron	162.400	KDO94
Medina	039103	Cleveland	162.550	KHB59
Medina	039103	Grafton	162.500	WNG698
Portage	039133	Akron	162.400	KDO94
Portage	039133	Cleveland	162.550	KHB59
Portage	039133	Youngstown	162.500	WWG56
Richland	039139	Mansfield	162.450	WWG57
Richland	039139	Sandusky	162.400	KHB97
Stark	039151	Akron	162.400	KDO94
Stark	039151	New Philadelphia	162.425	WNG735
Stark	039151	Youngstown	162.500	WWG56
Summit	039153	Akron	162.400	KDO94
Summit	039153	Cleveland	162.550	KHB59
Trumbull	039155	Akron	162.400	KDO94
Trumbull	039155	Meadville, PA	162.475	KZZ32
Trumbull	039155	Youngstown	162.500	WWG56
Tuscarawas	039157	Akron	162.400	KDO94
Tuscarawas	039157	Bridgeport	162.525	WWF35
Tuscarawas	039157	High Hill	162.475	WXJ47
Tuscarawas	039157	New Philadelphia	162.425	WNG735

Thanks & 73

Well, that's the 12th and last 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, The Record Courier newspaper, KB8DPN, The Foundation for Amateur Radio, K8JE, the ARRL, and the World Wide Web.** With your continued help – we can make this a great newsletter.

Tom - KB8UUZ
PCARS Newsletter Editor





Portage County Amateur Radio Service, Inc. (PCARS) Membership Application

Name: _____ Call Sign: _____ License Class: _____

Address: _____

City: _____ State: _____ ZIP: _____

Phone: _____ E-Mail Address: _____

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

A \$5.00 initiation fee will be assessed in the first year of membership for all new members.
Membership year is Jan 1 - Dec 31. Dues are due no later than Jan 31st the following year. Dues are as follows:

Check One	Dues Amount:
<input type="checkbox"/> Regular Full Membership	January 1 through May 31 = \$20.00 June 1 through August 31 = \$15.00
<input type="checkbox"/> Associate Membership	September 1 through November 30 = \$10.00 December 1 through December 31 = \$5.00
<input type="checkbox"/> Regular Senior Full Membership (65+)	January 1 through May 31 = \$16.00 June 1 through August 31 = \$12.00
<input type="checkbox"/> Associate Senior Membership (65+)	September 1 through November 30 = \$8.00 December 1 through December 31 = \$4.00
<input type="checkbox"/> Family* Member	January 1 through May 31 = \$10.00 June 1 through August 31 = \$8.00
Call Sign of Regular Member: _____	September 1 through November 30 = \$5.00 December 1 through December 31 = \$3.00

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

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

What are YOUR Ham Radio interests:

Signed: _____

Date: _____

Mail to: Portage County Amateur Radio Service, Inc.
c/o: Tom Parkinson – KB8UZZ
9992 State Route 700
Mantua, OH 44255

Date Received:
New Renewal
Date Voted: Results:
O Database Updated

O Cash O Check Member Number:

Initiation Fee \$
Amount Dues \$

Rev. 12 November 07



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

meets the 2nd Monday of each month at 7:00 PM

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	W8KNO	Joe Wehner
Coordinators	K8CMP	Chuck Patellis
Field Day 2008	WB9LBI N8EQJ	Bill Fraedrich Ed Polack
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	Jim Aylward
	KB8UUZ	Tom Parkinson
	KB8DPN	Russ Anderson, Sr.
	N4TIE	Carl Capps
	WB8LCD	Tom Sly
	N8XTH	Deron Boring
	N8PXW	Jim Korenz
	N8QE	Bob Hajdak
Web Master	K8CMP	Chuck Patellis
	N8EQJ	Ed Polack
	KB8DPN	Russ Anderson, Sr.

PCARS Mentors – Need some help or advice?

Contact by email at <callsign> @portcars.org



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

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