



The **RADIOGRAM**

When All Else Fails ~ Amateur Radio Works



May 2014 ~ Official Newsletter of the Portage County Amateur Radio Service, Inc. (PCARS) ~ Vol. 9 No. 5

~ 2014 Officers ~

President - Tom Sly - WB8LCD
Vice President - Jim Aylward - KC8PD
Treasurer - George Proudfoot - K3GP
3 Year Trustee - James Andrews - KD8VT
2 Year Trustee - Erica Pelz - AE8YL
1 Year Trustee - Bob Hajdak - N8QE

~ Meetings & Net ~

2nd Monday of
each month, 7pm
Thursday night
Club Net at 8 pm
on 146.895

PCARS Incorporated
Nov. 1, 2005

First Meeting
Nov. 14, 2005



ARRL Affiliated
April 20, 2006



**Special Services
Club**
March 22, 2010

From the President

You are currently reading the 100th edition of The Radiogram! I want to congratulate Parky – KB8UUZ – for doing such an outstanding job ever since PCARS came into existence. It's no small amount of work that Parky puts into this, and every month he turns out a newsletter that is not just “good enough”, but one that every member of PCARS can take pride in. There are also a number of members that contribute to The Radiogram on a monthly basis, and since a great newsletter is really the sum of all it's parts, they too deserve a congratulations for a job well done.

PCARS could not be the club it is if it weren't for all the members who contribute to the program. We have a lot of activities, programs, classes, events and opportunities to serve our community. It takes a lot of man-hours (person hours for those of you more socially correct than me) and commitment to get it all done. Everyone's circumstances are different and I know that not everyone can commit to a major undertaking. But I would ask that everyone step up where they can and help make PCARS an even better club in the future. We're already pretty good, but let's shoot for AWESOME!

I know a lot of you have been looking forward to the warmer weather to get started on some antenna projects. If you have a project coming up, and would like some help, let us know. Having a “crew” to help out can make some of those projects go a lot easier, plus you get the added benefit of everyone's experiences to help you make sure your project will be successful.

Are you going to the Dayton Hamvention? This is, by far, one of the biggest and the best Amateur Radio events in the country. Being within an easy drive for most of us, you need to get yourself there. Take the attitude you're going to do it at least once, and when you do, you'll probably end up making it an annual event. Yes, it's that good! PCARS has had the tradition of having a group photo taken every year, and we will this year, too. We'd like to



(continued on Page 2)

100 and Counting	20
Antenna & Field Day 2014	21
Antenna Raising Accident	22
April Net Night at the Club Site	4
ARRL 2014 Flier	32
Charlie the Tuner - HF High Lites	8
Contest Calendar	6
EmComm	16
Ham License Plates Wanted	26
Hamfest Calendar	11
Hamvention® 2014	13
Hamvention® - Bus Trip Details	31
Happy Birthday	5
Kent State Makers Faire	27
Louis Varney, G5RV	17
Mark Your Calendars	4
Meetings, PCARS	26

Moose Anniversary Special Event	25
Net Info & NCS Schedule	14
Net Night Quiz	23
Net Night Quiz Answers	25
Paper Chase	6
Patches & Stickers, PCARS	14
Pictures from the April Meeting	30
Pictures from the April Net Night	28
President, From the	1
Swap-N-Shop	15
Thanks & 73	29
The Mysterious Line "A"	19
VE Test Sessions	5
Vice President, From the	3
Warm Up for OSPOTA	7
What is the OO Corps & What Does It Do?	12
Yahoo Group	5



From the President *(continued from Page 1)*

have the picture shot at 11:00 AM on Saturday May 17. We'll meet in front of the ARRL booth, and pick the best spot for the shoot from there. I would suggest showing up 10-20 minutes prior to 11:00 AM so we can get everything set up. If you show up at 11:05 AM you may have missed it. Dayton is not the only hamfest and presume a few of you might go to another one or two over the course of the summer. When you do, take along a camera and get some photos – especially photos of any other PCARS members you see there. Send those photos along with a write up on your experience there and send it in to Parky.

Since we “officially” canceled the January 2014 PCARS meeting, due to circumstances beyond our control, the May 2014 PCARS meeting will “officially” be our 100th club meeting. (Another big Amateur Radio Club is having a 100th anniversary this year, more about that next month) I hope that you will make an extra special effort to be at our 100th meeting on May 12th. I'm looking forward to seeing you there.

73,

Tom, WB8LCD
PCARS President



From the Vice President

With luck, it looks like Spring might finally be here to stay. At last check, there was no snow in the immediate forecast. What a nice change of pace that is!

And with the arrival of some tolerable weather we also hit a pretty busy time of year for PCARS. First up will be Antenna Day on May 3rd at Ravenna's City Park. For those of you who are new to the club, Antenna Day is our dry run for Field Day. It offers the chance to get out to the Field Day site and set up stations and antennas to work out any kinks that might otherwise interfere with FD operations.

Field Day will follow on June 28th and 29th, a busy and fun filled weekend for ham radio operators around the country, but especially for those who are PCARS members.

But between Antenna Day and Field Day there will be no shortage of activity. At our May 12th club meeting we will have a presentation from Nate Stevens, a representative of Bulldog Batteries. Then at the June 9th meeting, Phil Bresky, WB8AVD, from Bird Technologies, will provide an informative presentation on feedline measurements.

In addition, there is that little annual get together in southwest Ohio otherwise known as the Dayton Hamvention. That will be May 16th -18th. We are truly fortunate that Dayton is such a relatively short trip for us in Northeast Ohio. There are hams from around the country that face a lot longer haul to get to Dayton for this combination of trade show, convention, and mega-flea market.

If you haven't been there before, you owe it to yourself to get down there at least for a day. Try to make it on Saturday so that you can be in the PCARS group photo.

On May 31st we will be hitting the road for the PCARS field trip to the K3LR contest station. Tim Duffy, K3LR, has graciously invited PCARS members to visit the contest station that we saw photos of at the May meeting. This trip is worth it just for the chance to see the antenna farm up close and personal. Watch for emails with details about the trip.

On July 26th the PCARS Summer Picnic will be held again at the VFW on New Milford Road in Ravenna and then in August we will be back at the Ravenna A&W for the Mobile Radio Cruise-In. And on the heels of it will be the Bar-B-QSO party at the club site on the same day as the Ohio QSO Party.

Lots of PCARS Big Fun for all during the Spring and Summer months!



73,
Jim, KC8PD
PCARS Vice President

Mark Your Calendars

On the calendar for upcoming meetings and activities are:

- **May 3rd - Antenna Day** at the Ravenna City Park - Let's get ready for Field Day !
- **May 12th - PCARS Meeting** - 7 pm - Nate Stevens - Bulldog Batteries
- **May 16-17-18th - Dayton Hamvention[®]**
- **May 17th - Annual Hamvention[®] Photo Shoot** at the Dayton Hamvention[®]
- **May 31st - Visit to the world famous K3LR Contest Station**
- **June 9th - PCARS Meeting - 7 pm** - Phil Bresky, WB8AVD from Bird Technologies
- **June 28-29th - FIELD DAY** - at the Ravenna City Park on Oakwood Street
- **July 26th - PCARS Picnic** - VFW in Ravenna on New Milford Road
- **August - Cruise-In** at the A&W in Ravenna
- **August 23rd - Ohio Bar-B-QSO Party** - at the club site in Ravenna

Special Interest Groups - Every Month at the Club Site - 7 pm

First Tuesday - **Digital** Special Interest Group
Second Tuesday - **QRP/CW** Special Interest Group
Third Tuesday - **Antenna** Special Interest Group
Fourth Tuesday - **DX & Contest** Special Interest Group
Fifth Tuesday - **Linux for Hams** Special Interest Group

Fourth Thursday - **Net Night** at the club site - 6:30 pm



April Net Night at the Club Site

Net Night at the Club Site continues to be a casual / social event for PCARS members. If you want to just hang out then this is the event for you. Of course one of the goals of Net Night is to get you all to check into the PCARS net, but it doesn't get any harder than that. Well, maybe if we have a Net Night Quiz..... this month's quiz was on antennas and feed lines. Almost all of the questions were taken from the General Class test pool. So, if you score less than 75% you should voluntarily surrender your General or Extra class license and request to be reissued as a Technician.



Amy, KD8SKL, decided that April's net night should be our club "**Cinco de Mayo**" party. She slaved over a warm crock pot all day to have prepared for us a nachos, cheese and salsa feast, complete with sombreros and margaritas with little umbrellas. I'm pretty sure a splendid time was had by all!

James, KD8VT, was the winner of the net-night quiz and will get 10 tickets to the May 50/50. Bob, N8QE, tied James for the best overall score (both had 18 correct), but I had previously determined that question 20 would be the tie breaker, and James had that one correct.

Net Night at the Club Site is always on the 4th Thursday of the month. May's Net Night will be on the 22nd.

Tom, WB8LCD

Editor's Note: Pictures from the April Net Night and the Quiz are in this newsletter.

PCARS VE Test Sessions

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

June 7th, August 2nd, October 4th, December 6th
PCARS will also be having a VE Test Session at Field Day on Saturday

What to Bring to the Testing Session

- \$15 is the current test fee. We prefer the exact amount in cash or a check made out to: ARRL-VEC
- A government photo ID (**driver's license or state ID card preferred**).
- Your Social Security Number or FCC Federal Registration Number. We are required to submit either your Social Security Number (SSN) or your FCC Federal Registration Number (FRN) with your application. If you are upgrading, your FRN is on your current Amateur Radio license.
- A pen (black ink) and pencil (we can loan you either or both)
- **If you already have an Amateur Radio license: The original (and one copy) of any current (unexpired) amateur radio operator's license issued to you.**
- If you've already passed a test: The original (**and one copy**) of any document that you will use to prove you've already passed a test element. These documents may include:
 - An unexpired Certificate of Successful Completion of Exam (CSCE) indicating the credit(s) earned indicating the credit(s) earned.
 - Pre March 21, 1987 Technician license (this provides credit for the Element 3 (General) exam).



Robert, N8RLG
PCARS VE Team Liaison

Happy Birthday PCARS Members

PCARS members having a birthday in May:

KD8VWY	Michael	Kuian
W8EZT	Frank	Tompkins
KD8WCL	Gary	Haupt

K8BBE	Chuck	Girt
K8NYM	Wesley	Ferrell
WB8FEW	Bobby	Pruett

PCARS Yahoo Site

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

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



Paper Chase

It was a pleasure to write last month's article. The most often asked question from the article is, "Who is Ogden Nash?" Ogden Nash was born in 1902 and died in 1971. He was an American poet well known for his light verse. At the time of his death, The New York Times said his "droll verse with its unconventional rhymes made him the country's best-known producer of humorous poetry". Nash wrote over 500 pieces of comic verse. The best of his work was published in 14 volumes between 1931 and 1972. One of my favorites follows:



The Octopus
Tell me, O Octopus, I begs
Is those things arms, or is they legs?
I marvel at thee, Octopus;
If I were thou, I'd call me Us.

May has its special celebration - Mother's Day comes to mind. A check of special event schedules shows none for that occasion; however, the mother of all hamfests, The Dayton Hamvention®, is this month.



Dayton allows you opportunities to send your QSL cards to the Outgoing QSL Bureau, get your cards checked for DXCC, WAC, WAS and VUCC. For DXCC, the Online DXCC QSLs system is the easiest and the least expensive. If you have cards for checking, make sure you take them.

If you have been working the W1AW/xx stations, you can obtain QSL cards from them by going to: www.arrl.org/AW-BureauQSLs you will not need to send a QSL card.

73,
Joe, W8KNO

Contest Calendar

May 2014	
10-10 Int. Spring Contest, CW	0001Z, May 3 to 2359Z, May 4
ARI International DX Contest	1200Z, May 3 to 1159Z, May 4
Indiana QSO Party	1600Z, May 3 to 0400Z, May 4
New England QSO Party	2000Z, May 3 to 2400Z, May 4
CQ WW WPX Contest, CW	0000Z, May 24 to 2400Z, May 25

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



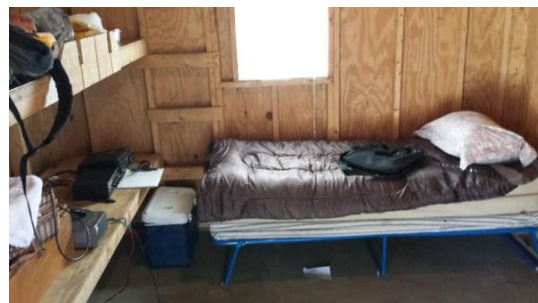
Warm Up for OSPOTA

With the coming of Spring, thoughts turn to mowing lawns, and gardens, and all the other projects that have been stewing over the Winter. It's enough to make a Ham want to get away for a road trip. So, that is exactly what I did. To say that I took the HF rig along is almost unnecessary. After all, I AM a Ham!



Being away for Easter Sunday was out of the question. So, the day before Good Friday, I packed up the gear, and headed south to activate Hocking Hills State Park (Hocking County, OH), and do some hiking.

It was a beautiful day. Since temperatures in the low 40s were predicted overnight, I opted for a camper cabin. As the picture shows, it's basically a storage shed with the basics provided, and it sleeps four. The cost is reasonable compared to an Electric Campsite. The cabin was unheated, but my 30 degree sleeping bag kept me warm & toasty all night long.



Before leaving, I posted a rough schedule to the OSPOTA reflector. That definitely increased the QSO count. Among the contacts was KZ8XU/P who was also running State Park portable. Chris was in Sycamore State Park. Also, Joe, WB8CTC/P was also worked. Joe was portable in Wheeling, and mentioned that he would have his kite antenna on the air this Saturday, April 26th. I believe he said he would be on 40 meters. My portable station consists of a Yaesu FT-840 running full power, to a 40 meter dipole. The dipole is suspended near the top of a DK9SQ portable tower.

By 4:30, camp was set up, and KD8MQ/P went on the air. All told, 14 stations were worked by the time I broke camp the next morning. That's not counting another 16 contacts made overnight on the 3905 Century Club Nets. I considered it a great weekend, and plan to activate more State Parks in the Future.

KD8MQ/P
Operating Portable
Portable QTH: Hocking Hills S.P. County: Hocking, OH
Grid: EM89rk

QSL To: KD8MQ
John Myers
910 W. Mill Street
Alliance, OH 44601
kd8mq1@gmail.com
www.kd8mq.net
PSE QSL ☐ TNX QSL ☐

CONFIRMING QSO WITH	DAY	MONTH	YEAR
UTC	NH2	EST	MODE

www.cheapqsl.com

To make QSLing easier, I contacted Hal, and Sue, at cheapQSLs.com, they knew just what I needed, and were able to fix me up with a "one size fits all" style of QSL card for my portable operations.

Unfortunately, my XYL was unable to make this trip with, owing perhaps to the cool weather forecast, and not wanting to "freeze to death".

It's no secret that I'm kind of Gung-Ho over anything that combines Ham Radio with operating portable. The "**Ohio State Parks On The Air**" Contest is but one of my favorites. I've been trying to work, and confirm contacts with all 74 Ohio State Parks. At the time of this writing, my tally stands at 69 parks worked, 46 confirmed. I invite anyone who is planning to activate on Ohio state park to post their plans on the OSPOTA reflector. If you aren't a member, feel free to e-mail me direct, and I'll see that it gets posted.

Now comes the commercial; We are just four months away from **OSPOTA 2014**. Customarily held on the Saturday following Labor Day, this year's contest is, on **September 6th**. More information can be found at www.OSPOTA.org.

73,

John, KD8MQ

Charlie the Tuner's HF High-Lites



Hello from Parkman! It seems that the WX has finally turned the corner. However we are still getting occasional cold days but nowhere near what we had a month ago. I hope that you have been taking advantage of the milder temps and, like me, have been able to get some antenna work done. I've been stretching out radials on my 80m vertical and I have to agree ---- this is the hardest part of the job of putting up a vertical.

I am realizing that I may need more than 60 radials. And what makes this job even harder is that I have to fish many of the radials that go out west, through six apple trees. Since the trees are not trimmed, they have branches reaching the ground in some cases and the deer have also caused many of the branches to dip to the ground by feeding on the bark during the winter.

In any case, I am counting on this antenna to be on the air before Spring is done. I want to see what kind of DX I can find on 80m.

Speaking of DX you will find some very good DX coming up in the next few months. I have listed some of the more desirable DX below. Just for your info, there are many more activities going on than are listed but I try to list only those that seem somewhat out of the ordinary.

As I do in every Radiogram, I want to thank the following for the forecast reports for this month and beyond. Without them and their timely information, it would be much harder to know what is happening on the bands. So a BIG thank-you to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn Packet Cluster Network (especially Tedd Mirgliotta – KB8NW) for the following DX and IOTA information.

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

A3, TONGA. Masa, JA0RQV, will once again be active from Tonga. This time he will activate Niuatoputapu Island (OC-191) at the very small northern end of Tongan territory, and will signing as A35JP/P between May 28th and June 3rd. Operations will be on 80-6 meters using CW and SSB. His equipment is an IC-7000 (w/100W) into a vertical antenna. Activity will be limited and much is depending on the availability of electric power since there is no commercial electric power at all. He must find a generator or car battery. In case his flight is cancelled, Masa will be active from Vava'u Island (OC-064) or Tongatapu Island (OC-049) instead. QSL via his home call sign, by the Bureau, direct (SASE w/1 IRC) or LoTW. For more details and updates, visit his Blog page at: <http://blog.goo.ne.jp/rqv>

CARIBBEAN TOUR. Jose, EA3GUO, is planning to activate several islands in the Caribbean between May 16th and June 7th. Activity on 20/15/12/10 m. QSL via home call sign direct. Activations are as follows: Montserrat Is. as VP2MSP Saint Barthelemy Is. as FJ/EA3GUO Saint Martin Is. as FS/EA3GUO Saint Maarten Is. as PJ7/EA3GUO Saint Vincent Is. as J8/EA3GUO Stay tuned for more details..... CE0Y, EASTER IS. As this was being written, World-Traveler Vladimir, UA4WHX, is now active as CE0Y/UA4WHX from Easter Island. As always, his length of stay is unknown. Activity will be on all HF bands using CW, SSB and RTTY. QSL via his home call sign (see QRZ.com).

EA6, BALEARIC ISLANDS. By the time you read this, Francois, ON4LO, should be active as EA6/ON4LO/P from Mallorca Island (EU-005) until May 15th. Activity will be on 40-10 meters using SSB. He also plans to activate different lighthouses on the island. QSL via his home call sign, by the Bureau or direct.

MJ, JERSEY. Kazunori, M0CFW/JK3GAD, will be active as MJ5Z during the CQ WPX CW Contest (May 24-25th) as a Single-Op/All-Band/Low-Power entry. QSL via LoTW or via M0CFW. Look for activity before and after the contest using the callsign MJ0CFW. This one is listed to remind you that the CQ WPX CW Contest takes place at the end of May and that means there will be a lot of stations on from DX spots that you may not normally hear.

S0, WESTERN SAHARA (Update). Naama, S01A, has delayed his activity until early May because he did not receive the new equipment and antennas in time. Operators S01A, S01WS (club station "Amateur Radio Union Sahrawi") and S01AH are expected to receive their equipment at the end of April. Having overcome the technical and installation of multiple antennas problems, the maximum expected operating bands will be on 80-6 meters. They will be using three bazooka antennas, one for 60 meters. Naama apologizes for the short activity on March 9th. An equipment failure prevented him from continuing his activity. It is important to note that this DXpedition from the "Radio Club Amateur Radio Union of Sahrawi" (URS) is to help the Sahrawi operators develop their hobby on minimum technical conditions. Operators Naama/S01A, Man/S01AH and the URS/S01WS will operate on 60 meters, on 5366.5, 5371.5, 5380.5, 5398.5 and 5403.5 kHz USB. Naama & Man have a license to operate CW on 5.368, 5.373, 5.382 and 5.405 kHz. It is suggested to watch the following for updates and news: <https://twitter.com/SaharaDxTeam> <http://saharadx.jimdo.com>

T30, WESTERN KIRIBATI (Update). A experienced German team is pleased to announce another DXpedition to the Pacific Ocean - Southern Tarawa Atoll, Western Kiribati. Their call sign: T30D, and they will be active between Oct 2-15th. Ops: Uwe/DJ9HX, Rudolf/DK3CG, Sid/DM2AYO, Dietmar/DL2HWA, Georg/DL4SVA, Bert/DL2RNS, Heiko/DL1RTL, Juergen/DF7TT, Olaf/DL7JOM, Guenter/DL2AWG, Hans/DL6JGN and Rolf/DL7VEE. Activity will be on 160-6 meters using CW, SSB and RTTY, with at least four simultaneous stations with 500 watts amps around the clock. Suggested frequencies are: CW - 1814.5, 3526, 7026, 10119, 14026, 18086, 21026, 24906 and 28026 kHz SSB - 1849, 3805, 7095, 7182, 14210, 18120, 21255, 24955 and 28455 kHz RTTY - 3595, 7046, 10137, 14090, 18099, 21090, 24918 and 28090 kHz 6m - 50.120 CW SSB. QSL Manager is DL4SVA. QSL via OQRS (see Web page), direct, by the Bureau and logs will be uploaded to LoTW at a later date. A Web page is now available at: <http://t30d.mydx.de>

T8, PALAU (Update). Operators Fujio/JA1SVP and Takeo/JR1GSE will be active as T88FA and T88TH, respectively, from VIP Guest Hotel (Free Radio Room) on Koror Island (OC-009) between May 16-19th. Activity will be on 160-6 meters, including 30/17/12m, using CW, SSB and RTTY. T88TH (JR1GSE) will operate mainly SSB and some CW, while T88FA (JA1SVP) will operate mainly CW and RTTY. Main rig is an IC-756 with a TL-933 (possibly other rigs). Antennas are a 160m sloper, 80/75/40/30m Inverted-V and 20-6m Yagi. QSL T88FA via JA1SVP, and T88TH via JR1GSE. Both either direct or by the Bureau. For more details about the VIP Guest Hotel (Free Radio Room), see: <http://www.palau-radio.com/index.php?page=rr2014>

T8, PALAU. Operators Kenji/JH1BGH and 7K1HLJ will be active as T88WI and T88WH, respectively, from VIP Guest Hotel (Free Radio Room) on Koror Island (OC-009) between May 20-28th. Specific bands and modes were not provided (Probably the same as the above operation). QSL T88WI via JH1BGH and T88WH via 7K1HLJ.

TK4, CORSICA. Julien, F4FJZ, will be active as TK4QL from Corsica between May and October. Activity will be mostly mobile as TK4QL/M with operations on 17/15/12/10 meters using his FT-840 with 100 watts and a mobile antennas. Listen for QSL info or check QRZ.com. His home callsign on QRZ.com states QSL only direct or eQSL.

TM70, FRANCE (Special Event). Members of the Loos DX Gang will be active using the special call sign TM70DD (D Day) between June 5-19th, to commemorate the **70th anniversary of the Allied landing in France**. QSL via F5JYD, by the French REF Bureau (Only this Bureau will be used) or direct (w/SASE).

V6, MICRONESIA. Shu, JA1FMN, will be active as V63PSK from Weno Island (in the Chuuk State; also known as Moen Island; IOTA OC-011) between May 14-17th. Activity will be holiday style on 20-10 meters using PSK and JT65A. QSL via JA1FMN, by the Bureau, direct or eQSL.

V650, MICRONESIA (Update). Haru, JA1XGI, plans to celebrate his 50th anniversary in amateur radio by using the special call sign V650XG from Pohnpei (OC-010) between May 9-15th. Haru informs OPDX that his activity will be on 40-10 meters, including the 30/17/12m, using CW, SSB and RTTY. He will also look for DX on 6 meters. Suggested frequencies are: CW - 7025, 10105, 14015, 18080, 21015, 24895 and 28015 kHz SSB - 7145, 14175, 18135, 21260, 24940 and 28450 kHz RTTY - 7030, 10140, 14088, 18102, 21088, 24920 and 28088 kHz. QSL via his home callsign,

direct or by the Bureau. An OQRS will be available on ClubLog. For more details and updates, visit his Web page or Blog at: <http://island.geocities.jp/v63xg/index.htm> <http://kcv-net.easymyweb.jp/member/dxvacation>. ADDED NOTE: Haru is also expected to return December 1st to Chuuk Island (OC-011). Details will be forthcoming.

YW0, AVES ISLAND. The YW0A team announced on Apr 16th, that their co-leader YV5RED received a phone call from Navy Authorities confirming their sailing date. Details to follow. It is suggested to watch the following media Web pages for updates at: DXpedition's Web page - <http://www.avesisland.info> 4M5DX Group's Facebook page - <https://www.facebook.com/4M5DX> 4M5DX Group's Twitter page - <https://twitter.com/4m5dxgroup>

Z3, MACEDONIA. The "60m News" reports that Macedonia has granted at least 16 stations permission to start ops on 60 m on May 1st. The RSM (Radio Society of Macedonia) requested permission for a group of 16 dedicated radio amateurs with good experience, although the permission is given to RSM as an organization - not to individuals. The RSM is given discretion to modify the list so this list may be extended. The following are currently listed: Z31CZ, Z31MM, Z32ID, Z32M, Z33A, Z33F, Z34M, Z35B, Z35F, Z35G, Z35T, Z35W, Z36W, Z39A, Z39Z, and Z30A.

IOTA NEWS.....

AS-049. Takeshi "TAKE", JI3DST, will once again be active as JI3DST/6 from **Kuchino Island (Tokara Island)** between 0600z, April 29th and 0000z, May 5th. Activity will be on 40/30/20/17/15/12/10 meters (possibly 160/80/75m) using CW, SSB, FM, RTTY, PSK31 and JT65A. QSL via JI3DST (see QRZ.com for details). ADDED NOTE: In case of heavy rain or other conditions, the operation condition may vary.

AS-143. A group of Chinese hams will be active from the rare **Yongxing Island, Paracel Islands**, sometime between April 21st and May 10th. The actual operation period depends on the schedule of the ship. Only one radio is allowed to be on the air 24 hours around the clock due to the limit of operators by the local authority. The assigned callsign will be B7CRA. Operators mentioned are Terry/BA7NQ, Che/BA7CK, De/BA7JA, Dick/BD7YC, Lin/BI7IOB and Vange/BA7IO. Equipment listed: 2xICOM 756PRO3 with 2x1KFA, 2xSB and 1 GP. QSL via BA4EG.

EU-032. Didier, F4ELJ, will be active as F4ELJ/P from **Oleron Island (DIFM AT-025)** between May 3-10th. Activity will be on the HF bands. QSL via his home callsign, direct, by the Bureau or LoTW.

EU-038. Operators Randy/PH4X, Ron/PA4RVS, Lucas/PD0LVS, Friso/PD1JFB and Marcel/PD3MVB active as PA6TX from **Texel Island (WLOTA 0043)** during the RSGB IOTA Contest (Jul 26-27). QSL via PD0LVS, direct or by the Bureau. Logs will be uploaded to both LoTW and to eQSL at the end of the contest.

EU-047. Oliver, DK7TX, will be active as DK7TX/P from **Spiekeroog Island** between June 11-17th. Activity will be mostly on 20/15/10 meters. QSL via his home callsign, by the Bureau or eQSL.

EU-070. Operators Fred/F5OZK, Paul/F4DVT and Christian/F8HJV (who is a resident) will be active as F5KKD/P from **Ile du Levant (DIFM ME012)** between May 1-4th. QSL via F5KKD.

EU-120. Operators Peter/G0DRX, Matt/G0ECM, Mike/G0MEM, Steve/G0UQT, Henryk/M0HTB and SWL Julja will be active as GB2BLE from the Government House on **Lundy Island** between June 15-20th. Activity will be on 80-6 meters, possibly 6m, using SSB, FM and PSK31. QSL via the Bureau. Look for updates on Twitter @GB2BLE. For more details, see: <http://www.sbarc.co.uk/club-activities/lundy/lundy-2014>

EU-141. (Special Prefix) Hans, LA2MOA, active as LI2MOA from **Vardo Island** during the RSGB IOTA Contest (July 26-27) as SO/All-Band/Low-Pwr. QSL via LA2MOA, direct or by the Bureau. Also LoTW. This special prefix/callsign is being used to celebrate the 200th anniversary of the Norwegian Constitution. The prefix will be active until Dec 31st.

OC-084. Tov, T32TV, who was previously on Christmas Island, is now active from the rare IOTA **Washington Island**. His length of stay was not mentioned. Tov is 100% on solar power at this time. Not enough power to run his linear amp. If anyone has any ideas how he can get more power out of the solar setup, please let Stan, KH6CG, know. Stan is Tov QSL Manager. He states, "I am hoping we can possibly get some necessary solar equipment donated to him to increase his

storage capacity and total power. Tov is running a Yaesu FT-450D and a Hygain AV-640 vertical. 6-40m. Presently running only 100 watts, but does have a linear amp that can run as much as 600w if he can get the power to run it." Activity so far has been on 20 and 10 meters SSB.

OC-218. Operators Cezar/VE3LYC and Johan/PA3EXX will attempt to activate **Matthew Island** for a period of 4 days during the 10 days of Sept. The licensing authority of New Caledonia has approved for this operation the special callsign TX4A. Last op from this IOTA was 17 years ago, and the group is in demand by 94% of the IOTA members. Due to the remote location of this island, sailing from Noumea to Matthew Is return is expected to take 5 days. This will be a very difficult an very expensive project. The team is actively looking for financial support from groups and individuals who wish to assist in defraying some of the project costs. Donations can be sent to Cezar by PayPal at <ve3lyc@hotmail.com> or by mail. All contributions will be acknowledged on the expedition Web site, which will be available in due course.

OC-122/ OC-109 A team of four to five operators led by John/YB5NOF and Anton YB5QZ are planning to activate **Tambelan Islands** as YE5T starting around May 10th for 10 days. Some of the team may also activate **Natuna Selatan Islands** (OC-109) during this time. QSL via W2FB, direct or by the Bureau.

Well, that's it for the next few months. Let me know what you are working and we'll post it here in the Newsletter.

So until next month 73 and GUD DX!!

Chuck, W8PT
aka 'Charlie the Tuner'



Hamfest Calendar

05/16/2014 - Toledo Mobile Radio Association 59th Annual Hamfest - Owens Community College - 30335 Oregon Rd. - Perrysburg, OH 43551 - see the web site for contact information: www.tmrahamradio.org

May 16-18th 2014 - Dayton Hamvention® 2014 - Location: Hara Arena - 1001 Shiloh Springs Road - Dayton, OH 45415 - Website: <http://www.hamvention.org> - Sponsor: Dayton A.R.A.

06/01/2014 - Breeze Shooters 60th Annual Hamfest - For Hamfest Flyer downloading and more information regarding our Hamfest, please see <http://www.breezeshooters.org>



PCARS

ARRL Volunteer Examiners:
serving the Amateur Radio
community

First Saturdays 10:00 am
at the club site in Ravenna
February, April, June, August,
October, December

What is the ARRL OO Corps and What Does It Do?

ARRL's Official Observer (OO) corps may be one of the more misunderstood functions sponsored by the League. Although I suspect that most amateurs have an idea of what the corps is and how it operates, many others appear to have absolutely no concept of what it is and does.

I remember a few years ago when a ham in Cincinnati received an OO card that simply pointed out he had been operating on a local repeater for very extended periods of time without IDing every 10 minutes as the FCC requires. The ham launched into a weeks-long rampage about how the ARRL police were out to take his license from him! No one could convince him this was not the case. As incorrect as this misconception was, it unfortunately is understandable when one considers that many people still have the totally wrong idea that ARRL tells FCC what to do -- which rules and regulations to adopt and enforce, and which ones to change.

Let me make a flat statement. ARRL is not now and has never had regulatory powers. A follow up to this

statement is that ARRL does not want regulatory power. Consequently, the ARRL corps of OOs can do no more than to call attention to an operator that he -- or she -- has deviated from the rules and regulations established by FCC and to report continued violations to the Commission for possible follow-up. This is all done in the tradition of "self policing" for which Amateur Radio is famous. Self policing is important to each of us because it goes a long way toward keeping our bands open and usable for each of us to enjoy.

OFFICIAL OBSERVER ADVISORY NOTICE

Radio: W4 [redacted] calling your call was heard working ONE WAY Comm at 21:10 UTC.
Date: 29 Nov. 2012 Frequency: 14.313 MHz. Mode: SSB Your RST: ---

The following is noted in the interest of maintaining Amateur Radio's reputation for good operating and technical practices:
1 [] FREQUENCY INSTABILITY 2 [] CHIRP 3 [] SPURIOUS 4 [] HARMONIC 5 [] HUM 6 [] KEY CLICKS
7 [] BROAD SIGNAL 8 [] DISTORTED AUDIO 9 [] OVERDEVIATION 10 [] OUT OF BAND
11 [] IMPROPER ID 12 [] LANGUAGE 13 [X] CAUSING INTERFERENCE 15 [] CARRIER 20 [X] OTHER

Remarks: The way Communications (2) Improper ID, (3) Causing interference to stations in QSO.

Please refer to FCC Regulation 47 CFR 97.113 & 97.119^A. Please take a few minutes to determine what equipment factors or operating practices might have contributed to this apparent departure from the rule or the good amateur practice standard. The intent of this notice is to alert you to the above noted operating condition. NO REPLY IS NECESSARY. The undersigned ARRL Official Observer has fulfilled this helping role by simply alerting you, and is not required to reply to any correspondence. Thank you for your attention and any cooperative efforts to enhance the high standards of the Amateur Radio Service which we all share with pride.

FSD-213(1-04) Signature: [redacted] Call: [redacted]

In the tradition of self policing, an OO report will advise an operator that he has violated an FCC rule. Provided the violator wants to follow the rules, he will avoid repeating the violation and will voluntarily return to complying with them. This return to compliance may be the result of simply wanting to be a law-abiding operator, or wanting to avoid being embarrassed before a group of friends, or wanting to avoid FCC punishment that could result from continuing the violation, or for some other personal reason.

The OO corps is part of the ARRL Field Organization. It is coordinated through ARRL HQ and is managed through the Section Manager and an assistant (an Official Observer Coordinator), and a group of OOs in the Section -- all volunteers.

An OO basically listens to the amateur bands to see if FCC rules and regulations are being observed, and if good operating practices are employed. As suggested, above, an OO notice can be sent to operators who violate these rules or who use poor operating procedures. An OO may also give atta-boys to operators whose operations are particularly good. For operators who persist in violating rules and good practices, OOs may document the actions and submit a report to ARRL HQ. Truly persistent violations may result in multiple reports being submitted to HQ and on to the FCC.

When/if sufficient documentation of continued violations is received at HQ, the reports are compiled and submitted to the FCC for review and possible action.

The FCC has a range of responses it can take regarding errant operators. The first of these likely actions is to notify the operator it has received reports that he was heard violating Commission rules, to ask the operator for any reply to the alleged violations and to list any steps he plans to take to avoid continuing any further violations. Follow-up responses FCC may take include monitoring by an FCC engineer and, if considered

appropriate, fining the operator and withdrawing his license. Fines levied can be in the tens of thousands of dollars for especially flagrant violations.

FCC may enlist the continued support of the OO corps in obtaining continuing information about a violator. Surveillance by OOs is done as a member of the FCC's Amateur Auxiliary.

What I do not understand is why anyone who took the time and effort to obtain an Amateur Radio license, and went to the expense of assembling an Amateur Radio station would intentionally act like a "jerk" and intentionally violate the simple and useful rules that guide operating on the ham bands. Some people must get their jollies from doing this, but it doesn't make sense to me.



73,
Jim, K8JE

Dayton Hamvention® 2014

Hamvention® is important stuff you have to plan ahead for. Okay - Here I go again on my yearly article about going to the Dayton Hamvention®. Yes, gas prices are still up, yes, it takes more than a few hours to get there, yes I know you're busy.... **BUT** Just think of it, hams from around the world can only *dream* about going to Dayton, and for us, it's practically in our back yard.



Even if you only go for one day - **GO!!!!** Even if you don't spend any money - **GO!!!!** Visit all the dealers, see what's new and what's coming out soon. **GO!!!!** check out the great ARRL display area and meet some of the ARRL HQ personnel. There are plenty of *free* forums. **GO!!!!** just to be there and walk around seeing all the ham gear and hams from around the world is worth the trip.



Who knows, you just may bump into a foreign ham that you made a DX contact with. The outdoor flea market is really something to see - jammed packed with just about everything you can imagine. This is one heck of a flea market. Chances are you will never see a larger one! Many bargains to be had, and don't hesitate to haggle the price a bit lower.

Take a camera and take pictures of everything and everybody!

So, check it out - Friday the 16th, Saturday the 17th and Sunday the 18th in May - the **ONLY** place to be is at the Dayton Hamvention®.

Parky, KB8UUZ

PCARS Patches & Stickers



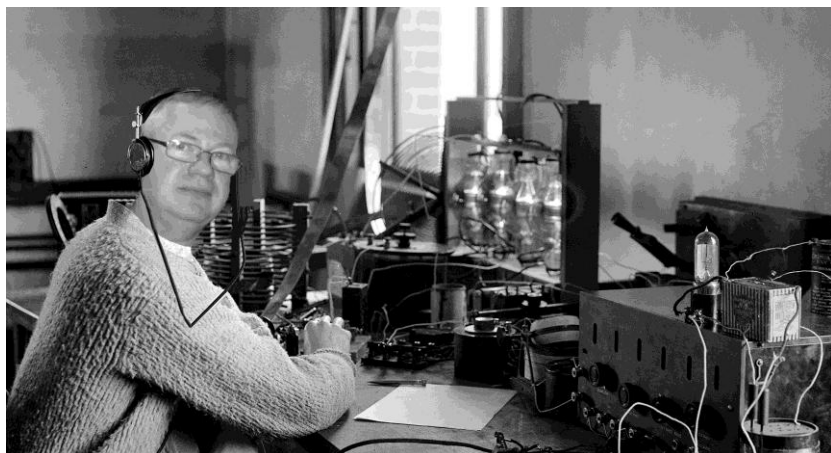
New PCARS logo patches (iron on) & stickers (stick on) are now available!! Put the patch on your hat, your shirt, your jacket and show off that PCARS logo!!

The patch is about 3". The embroidery on the white patch is in Red, Black and Blue. Cost for a patch is only \$2.00 each and can be obtained at any PCARS meeting. There are 2 types of stickers available - a 4" x 6" oval and a 3" x 10" bumper sticker. Stickers are \$1 each. Show your pride in PCARS - Wear a patch, use the stickers! See the club Treasurer: George, K3GP or e-mail him at: K3GP@portcars.org



PCARS Thursday Net Control

Thank you all for helping with this! Anytime you are unable to take the net, please give me as much advance warning as possible!



May	
1	KC8PD
8	KB8UHN
15	WB8LCD
22	NR8W
29	N8QE

June	
5	KD8FDK
12	KB8UUZ
19	WB8LCD
26	K8IV

July	
3	WB8LCD
10	KB8UUZ
17	N8QE
24	KB8UHN
31	WB8LCD

The PCARS net is **BIG Fun** - tell your friends to check in via RF or EchoLink! If you have not been a Net Control Operator for PCARS and would like to give it a try, please contact me at: WB8LCD@portcars.org Everyone who is a club member is welcome to have a turn!

Swap-N-Shop

FOR SALE: Palstar antenna tuner Model AT1KP - Excellent condition: \$160 pick up only

Contact Paul, NC8T at NC8T@hotmail.com or call 330-704-9106 [07/02/14]

FOR SALE: Icom 756 Pro II includes hand mic, original manual, manuals on CD. \$1300

FOR SALE: RigBlaster Plug-n-Play includes 8 pin adapter cable for Icom. \$75

FOR SALE: Heil Goldline GM5 mic w/windscreen, **Heil SM-1** shock mount, **Heil HB-1** articulating boom; mic cable for Icom, AD-1-I. \$150

FOR SALE: Heil headset adapter cable, Heil PN AD-1iC, for Proset to Icom. \$12

FOR SALE: TenTec RF speech processor, model 715. \$150

FOR SALE: MFJ-1251 Universal Microphone Adapter changes pin-outs to allow different mics to be used with radio. \$14

Contact Rick, K8GI at K8GI@portcars.org [07/02/14]

FOR SALE: Icom ID-880H D-Star transceiver (UHF/VHF), \$300.

Contact John, KC8KYW at KC8KYW@portcars.org or call 330 734-7888 [05/02/14]

FOR SALE: Heathkit SB-1000 160-10 Meter amp, one 3-500Z, 120/240 VAC, 750W CW, 1KW PEP. \$800.00 Amp & tube listed below \$1000

FOR SALE: EIMAC 3-500Z military specification tube still in original packaging. \$300

FOR SALE: 8877 RF Deck for 144 MHz – Commercial build - W6PO design. Built for the NWS to be used at 1000 Watts FM on a 24/7/365 duty cycle basis. It is capable of 1500 Watts SSB. This is a complete RF Deck only, no tube or power supply included. \$500.00

FOR SALE: ICOM IC-718 HF Transceiver 160-10 Meters 100 Watts – w/ UT-106 Digital Signal Processing unit, IC-FL52A 500 Hz CW Filter, IC-CR338 High Stability Crystal, Voice Synthesizer, HM-36 hand microphone, power cord, operator's manual, Nifty Mini-Manual and sales brochure. Has the MARS mod (Full TX & RX 1.8-30 MHz) and therefore will only be sold to a General Class or higher licensee. \$550.00

FOR SALE: GE CL01A400TJ Contactor 4 poles rated 25 A @ 600 V, 120 Volt Coil \$25.00 (2 Available)

FOR SALE: GE CL01D310TD Contactor 4 poles rated 25 A @ 600V, 24 Volt Coil \$30.00 (2 Available)

FOR SALE: GE CL25A300T Contactor 4 poles rated 32 A @ 600 V, 120 Volt Coil \$35.00 (2 Available)

FOR SALE: ¼" Plate Glass for desk or table top, Great for radio bench measures 42" x 68" cost \$152.00 Asking \$40.00

FOR SALE: I also have a small supply of **connectors** for 1/2" Superflex, 1/2" Helix and 7/8" Helix . Contact me with your needs.

Contact James, KD8VT at KD8VT@portcars.org or call: 330-206-4909 [05/02/14]

FOR SALE: DAIWA Model PS-120MIIa PS \$40

FOR SALE: Heathkit Model IM-11 VTVM \$40

FOR SALE: ASTATIC Model D-104 Microphone w/ TUG8 Stands (Lollypop) 1ea Excellent \$70, 3ea good \$40

FOR SALE: ICOM Model IC-V80 2Mtr FM HH w/ Extra Battery and Charger \$90

FOR SALE: Nye Viking Model B V A, Antenna Tuner \$425

FOR SALE: TRIPLET Model 630 VOM \$45

FOR SALE: MFJ Model MF-J-250 50 ohm oil dummy load \$40

FOR SALE: MFJ Model MFJ407B Electronic Keyer \$40

FOR SALE: Heil Model HM10 4-5 Microphone with Stand \$100

FOR SALE: Standard C1208DA 2 mtr FM Mobile \$200

FOR SALE: MFJ-1702C, 2 Pos Coax Switch \$20

FOR SALE: Radio Shack Model 22-223 VOM \$10

FOR SALE: Astron Model RS-12 12 Amp Power Supply \$45

FOR SALE: Bencher BY-2 Paddle, Chrome NEW \$75

FOR SALE: Straight Key Brass \$25

FOR SALE: ASTATIC Model 10-D w/G Stand \$50

FOR SALE: Electro Voice Model 664 \$50

FOR SALE: 2ea- Electro Voice Model 638 \$50

FOR SALE: Shure Microphone and stand \$20

FOR SALE: W1FFL Ladder-LOC \$10

FOR SALE: Radio Works Carolina Windom 10-80 meters \$50

FOR SALE: Radio Works 1/2 Square \$45

FOR SALE: Alpha-Delta Sloper 40-80-160 \$50

FOR SALE: Kenwood TL-922 Linear \$1200

FOR SALE: MFJ-989C Antenna Tuner \$150

FOR SALE: MFJ-281 ClearTone Speaker \$10

FOR SALE: Soldering Iron 25 Watt Variable \$20

FOR SALE: 2 Large soldering irons 1-150W and 1 UNK \$20 EA

If anyone owns one of these please contact me, I have spare parts for them.

Yaesu FT-2200, FT-1000D, FT-1000-MP, Icom IC-756 PRO II, Alpha 89 and 9500 Amps

All equipment is in top shape.

Contact Al, AB8AA at ab8aa@portcars.org or call 330-207-3296 [06/02/14]

Editor's Note: Ads for PCARS members run for 3 months then are dropped from the listing UNLESS you send it in again. Each ad will have an expiration date that looks like: [07/02/14]. This will help keep the listings current.

EmComm

As I began writing this it occurred to me that this is the 100th consecutive EmComm column to run in the PCARS Radiogram. How time flies! It seems like only yesterday that I was writing this opening paragraph for the very first column:

“The Portage County Amateur Radio Service wants to be as active as possible in providing information and training activities for area hams who are interested in emergency communications. Every PCARS newsletter will have this column and we welcome your questions and suggestions for issues to discuss.”

It was true then and remains true today. PCARS has always encouraged its members to be engaged in planning and preparations for emergency communications that may be necessary during a disaster. The club has offered presentations on EmComm and public service activities and has promoted participation in these activities.

PCARS members have been the core members and leaders of the Portage County OHS/EM Communications Unit as well as its RACES team. PCARS members have been responsible for the revitalization of the Amateur Radio Emergency Service (ARES®) of Portage County.

Hundreds of hours of volunteer time have been provided by PCARS members in providing communications support for a wide variety of local events. These include the running and cycling events sponsored by the City of Ravenna Parks and Recreation Department, the Black Squirrel Triathlon sponsored by the City of Kent Parks and Rec, the Headwaters Adventure Race sponsored by the Portage County Park District, the Mantua Potato Stomp, the Kent Kids Triathlon, the Half-Ironman event at West Branch State Park, not to mention out of county events such as the Bellefaire Duathlon and the Rite Aid Cleveland Marathon.

This is a tradition that we want to continue. We need the help of as many of you as possible. The more events that we support, the more volunteers that we need. The leaders of PCARS still believe that it is critical for the club to provide its explicit support for EmComm and public service/special event communications. The club does this by making the club site station available for training and real time events and by encouraging club members to be active volunteers.

Thanks to all of you who have assisted over these past eight years as well as our appreciation for all those who help in the future.



73,

Jim, KC8PD/AAR5AI

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

Louis Varney - G5RV

Born 9th June 1911 Died 28th June 2000 aged 89.

Louis Varney G5RV, - FOC7, RSARS795, RAOTA, RSGB, ARRL. Call Signs Used. 2ARV (1927) - VP4RV - VP5RV - VP6RV - VP7RV - PJ5AA - PJ5CA - PX1RV - EP2RV - ON8RV - 9Y4RV - 8P6DF - VK9LV - YJ8RV - FO0RV - CX5RV - PY1ZAR - TU4AJ - EI2VPL - G5RV/GC - GI - GM - GW - F7 - PA0 - IL - IT1 - LA - SM - OZ - DL - CT1 - EA8 - VP9 - W2 - VE3 - XE1 - TG9 - YS - TI2 - HP1 - YV5 - HK3 - HC1 - OA4 - CE3 - LU - 9G1 - 5N2 - 5Z4 - 9J2 - 5U7 - XT2 - OD5 - VS6 - VK2 - 3 - 4 - 5 - ZP5. (Total of 60)



Inventor of the world-famous G5RV Antenna, and Member of the RSGB for 74 years.

He joined the Boy Scouts and, being fascinated by the Morse Code, learned signaling and acquired his Signaller's Badge and built his first crystal set by the age of 11. Louis obtained his first Artificial Aerial license, 2ARV, in 1927 aged 16.

In 1930 he was invited to an interview with the Chief Engineer of the BBC and he was also approached by the Engineer in Chief in the Test Department at the Marconi Company's Chelmsford Factory. He was offered the position of Technical Assistant by both companies and he decided to go to the Marconi Company and started training to be an Engineer. In 1933 Louis was offered the position of Chief Instructor of the Marconi College and he spent the next few years teaching Engineer students from all over the world. In early 1942 Louis requested an interview with the General Manager of the Marconi Company, Admiral Grant (Retired), to request that he be released from his protected service with the Marconi Company, as he wanted to join the Royal Navy. In his own words, this is how the interview went: "I got a frosty reply from the Admiral; 'How could the Company survive if all its engineers wanted to go off and fight?' At this point in the interview I had a brainwave! I said to him: 'Admiral Grant, if you were a young man of my age and your country was at war, what would you want to do?' At this, he patted me on the back and said 'You win my Boy'".



He was successful with his interview with the Admiralty and was accepted for a Commission, but when it came to the medical it was discovered that he had a hernia. He was advised by the Navy doctor to have an operation as a civilian and then re-apply. While recovering from the operation he received a phone call from a Major Keen, a world authority on Wireless Direction Finding and author of a textbook of that title (in the fourth edition of the book Louis receives an honorable mention). Louis was invited to attend an interview with Brigadier General Gambier-Parry. He was offered a Commission in the Royal Corps of Signals in a unit for HF Interception and Direction Finding. Louis accepted this post as an assistant to Major Keen and in

1942 he joined the unit at Hanslope Park as a Second Lieutenant, taking charge of the installation, calibration and maintenance of all the HF/DF stations in the UK. He rapidly gained promotion to Captain. Louis actually joined a highly secret outfit called the Radio Security Service (RSS) that was run by MI6. RSS staff were given military ranks and Royal Corps of Signals uniforms, but that was just to stop people asking them awkward questions. The uniforms were a cover story, coincidentally they also earned a lot more than regular army pay. The RSS was responsible for intercepting and locating German spy transmissions and specifically targetted the

communications of the German Secret Service, the Abwehr and the SS secret service called SD (Sicherheitsdeinst). Louis was responsible for running the RSS chain of direction finders.

In 1946 Louis was living in a house at Stony Stratford with a garden barely 100 ft long and he wanted to install a multi-band HF antenna. Necessity being the mother of invention, he set his mind to the problem and came up with, what is now probably one of the most common HF wire antennas, the G5RV. December that year found Louis discharged from the military and, on his return to the Marconi Company, was given the choice of returning to the College or to work at the Great Baddow Research Laboratories. He chose the latter and worked on VHF, UHF and Microwave projects.

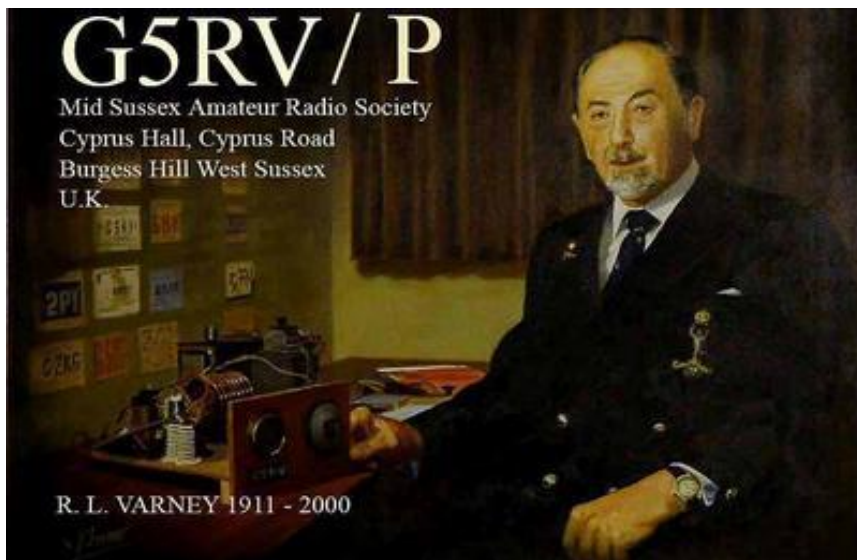
In 1954 he was offered the new post of Marconi Company's Latin-American and Caribbean Area Technical and Commercial Representative in Caracas, Venezuela. He accepted and, after a few months of commercial training, left the UK with his wife and son. During his 3 years residence there he made several visits to Marconi agents in his area of operations and was fortunate in obtaining amateur radio licenses or special permission to operate as a guest operator at licensed amateur stations in many countries and the Caribbean Islands.

Between 1960 and 1963 Louis was based in Paris and held a position in which he was responsible for overseeing, pre-commissioning testing, then the commissioning testing and acceptance of installations in Italy, Sicily, Greece and Turkey for a Multi-European Defense Communication project. When his contract ended Louis and his wife returned to the UK, but Louis continued his visits to many African countries.

Tragically in 1965, after many years of very happy marriage, his wife died of cancer. Louis was heartbroken and was glad to have a heavy overseas workload to get him over this traumatic period. In 1966 Nelida, cousin of Tito, CX1BT, with whom Louis had kept a regular sked, told Tito that she was about to visit several European countries including England. He gave her Louis' address and telephone number and suggested that she should telephone him. She contacted him and they met several times in London for lunch. Romance bloomed and in 1968 Nelida returned to England and she and Louis were married. He continued working around the world and visited some 75 countries in his lifetime, holding around 60 Amateur Radio callsigns as the picture of a QSL card shows.

Besides Amateur Radio Louis enjoyed painting and gardening. He also collected antique radio equipment and electronic valves. Louis died aged 89 on Wednesday, 28th June 2000 at his home. His callsign lives on through the antenna he designed in his moment of need. It is interesting to note that Louis made no financial gain from his widely used 'invention'.

A portrait of Louis Varney Commissioned by the Mid Sussex Amateur Radio Society (MSARS) Artist Ken Farmer, unveiled on November 9th 2001 at Marle Place but now hangs in the radio shack at Cyprus Hall. Louis was a delightful man, and a great personality, his G5RV license was granted to MSARS by his wife Nelida Varney.



The Mysterious “Line A”

There’s been a plethora of emails flying around lately inquiring about how to properly operate an Amateur Radio Station that is located around “Line A” during times where skip takes radio waves that wouldn’t normally travel great distances to all new bounds.

For those of you who have no clue what I’m talking about, “Line A” is a boundary line that was formed from a treaty between the United States and Canada many years ago in order to prevent UHF signals (400 MHz and above) from the United States crossing over the border and entering into Canadian Territory and vice versa. Yes, this does directly affect the 70cm band of the Amateurs in the United States.

What isn’t known about “Line A” is more of a mystery than of fact. After a number of phone calls to the F.C.C. and our own (United States) State Department, I found out that there is no map specific to Ohio, or any of the other states that are included in “Line A”, that give any real detail to just where on the globe “Line A” truly is. That seemed very odd to me, especially in this day and age of Google Maps where you can see a stake cooking on a grill from 20,000 miles up that there is no precise map that shows the infamous “Line A” on it. What we do have however, is a description of where “Line A” was agreed to be. It is as follows.

“For bands below 470 MHz, the areas which are involved lie between Lines A and B and between Lines C and D, which are described as follows:

- * Line A - Begins at Aberdeen, Wash., running by great circle arc to the intersection of 48 degrees N., 120 degrees W., thence along parallel 48 degrees N., to the intersection of 95 degrees W., thence by great circle arc through the southernmost point of Duluth, Minn., thence by great circle arc to 45 degrees N., 85 degrees W., thence southward along meridian 85 degrees W., to its intersection with parallel 41 degrees N., thence along parallel 41 degrees N., to its intersection with meridian 82 degrees W., thence by great circle arc through the southernmost point of Bangor, Maine, thence by great circle arc through the southern-most point of Searsport, Maine, at which point it terminates;



and, The definition of Line A in Section 90.7 is taken from Paragraph 2 of Arrangement A contained in the revised Technical Annex to the agreement between the United States and Canada on the "Coordination and Use of Radio Frequencies Above 30 Megacycles per Second", signed at Ottawa on June 16 and 24, 1965. As you indicate, some points on the line are defined as passing through certain points of cities. These points have been interpreted differently by various persons who have attempted to draw, or enter into a computer, points along this line. As you have noted, there are at least three sets of points used for the four cities listed. Because these points are subject to interpretation, it would be difficult to argue which set is correct; however, for the sake of consistency, it would be desirable that the same set of points be used by everyone.”

Now after all of that said, it really boils down to this, if you live on or North of 41 Degrees of the Great

Circle Arc, then “Line A” truly applies to you.. If you live below 41 Degrees then it really doesn’t apply.. Except when your signal is traveling far enough North that it does enter into the 41 Degrees or above classification.

Now after extensive research, here is the approximate location of 41 Degrees on the Great Circle Arc through Ohio. Ohio Treaty definition: The area north of latitude 41 degrees N from the Indiana line east to longitude 82 degrees W (near Lodi, OH), and north by great circle arc to Bangor, Maine. In general, the northern quarter of the state. This includes the following major highways:

- I-71 (including I-271) from the junction with I-76 north to its terminus
- I-75 from 2 miles north of Findlay to the Ohio/Michigan border.
- I-77 from Akron north to its terminus.
- I-80 (the Ohio Turnpike) from Exit 14 (Niles) west to the Ohio/Indiana border.
- I-90 (the Ohio Turnpike, and then the Northeast Extension) along its entire length.
- US 23 from Carey (junction of State Route 15) north to the Ohio/Michigan border.
- US 24 along its entire length.
- US 127 from Scott north to the Ohio/Michigan border.

This includes portions or all of the following Ohio counties: Ashland, Ashtabula, Cuyahoga, Defiance, Erie, Fulton, Geauga, Hancock, Henry, Huron, Lake, Lorain, Lucas, Medina, Ottawa, Paulding, Portage, Putnam, Sandusky, Seneca, Summit, Trumbull, Williams, Wood.

From the Ohio Section Journal

100 and Counting

THE RADIOGRAM

When I was asking for inputs for the May issue of **The RADIOGRAM**, I had not realized this was going to be the 100th issue. When Jim, KC8PD sent in his Vice President’s column, that’s when I saw that this is issue number 100.

I went back through those 100 issues (including this one) and found out that 2,639 pages have been written. And, yes, I have printed and saved each and every one of the newsletters. I’ve handed them over to the club Historian - Peggy, KB8SZI and she has each one, in order, in ten large three ring binders.

It’s hard to believe that so many pages have been written about all the FUN stuff that PCARS has done. **But, wait - there’s more!** PCARS is doing, and will be doing, even more in the future.

Having such an active club makes the job of being the newsletter fun to do. Over the past 100 issues, I have worn out two digital cameras and am working on the third one now.

Thank goodness for the internet because the club could not afford to print and snail mail the newsletter to the 170+ members we have today.

So, keep those inputs coming in for the next 100 issues of **The RADIOGRAM** !!!!

Tom, “Parky”, KB8UUZ

Antenna Day & Field Day 2014

Antenna Day 2014 is fast approaching. Saturday - May 3, 2014 is Antenna Day and the official setup begins at 0900 in the Ravenna City Park. The Field Day Chairman and the Power Team will be on site by 0800. Once the Power Team has the power distribution deployed the coffee pot will be set up and donuts will be available.

The final station captain position (Flex Station) was filled by Karen, N8HUC. Jennifer KB3GXB has taken Karen's place to head up the power team. However there are still many slots to fill on the various teams.

Most of the station captains that were present at the Field Day meeting on April 24th only had a few positions filled. We need people to step up and fill the various operating positions. Please take a few minutes to look over the list of the station captains and contact the station captain for the band you would like to operate. Remember the sooner you pick your operating slot the better chance you have of operating the band you want and at the time you want to operate.

Our Antenna Day lunch will arrive about 1200 hours and will be pizza and drinks. Hope to see you there.

Your Field Day 2014 Staff

Chairman	James, KD8VT
Vice Chairman	Chuck, W8PT
20 Meter Station Capt.	Erica, AE8YL
40 Meter Station Capt.	Ed, K8IV
CW Station Capt.	Dave, WB2DFC
Flex Station	Karen, N8HUC
GOTA Station Capt.	Tom, WB8LCD
6 Meter Station Capt.	Errol, KC8RJR
Power Team Capt.	Kristen, KB3OQV
Safety Officer	Russ, NR8W
IT Team Capt.	Zeb, KD8WZS
Finance Officer	George, K3GP
Public Information Officer	Tony, WA8AR
PIO Table	Parky, KB8UUZ
Field Day Chef	Chef Robert, N8RLG



73,
James, KD8VT



Antenna Raising Accident

This Ham is sitting at his desk, answering a letter from his insurance company. I am writing in response to your request for additional information for block number three of the accident reporting form. I put "poor planning" as the cause of my accident. You said in your letter that I should explain more fully, and I trust that the following detail will be sufficient.



I am an Amateur operator and on the day of the accident, I was working alone on the top section of my new 80 foot tower. When I had completed my work, I discovered that I had, over the course of several trips up the tower, brought up about 300 pounds of tools and spare hardware. Rather than carry the now un-needed tools and material down by hand, I decided to lower the items down in a small barrel by using a pulley, which fortunately was attached to the gin pole at the top of the tower.

Securing the rope at ground level, I went to the top of the tower and loaded the tools and material into the barrel. Then I went back to the ground and untied the rope, holding it tightly to insure a slow descent of the 300 lbs. of tools. You will note in the block number eleven of the accident reporting form that I weigh only 155 lbs. Due to my surprise of being jerked off the ground so suddenly, I lost my presence of mind and forgot to let go of the rope. Needless to say, I proceeded at a rather rapid rate of speed up the side of the tower.

In the vicinity of the 40 foot level, I met the barrel coming down. This explains my fractured skull and broken collar bone. Slowed only slightly, I continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep into the pulley.

Fortunately, by this time, I had regained my presence of mind and was able to hold onto the rope, in-spite-of my pain. At approximately the same time, however, the barrel of tools hit the ground and the bottom fell out of the barrel. Devoid of the weight of the tools, the barrel now weighed approximately 20 pounds. I refer you again to my weight in block number eleven. As you might imagine, I began a rapid descent down the side of the tower. In the vicinity of the 40 foot level, I met the barrel coming up.

This accounts for the two fractured ankles, and the lacerations of my legs and lower body. The encounter with the barrel slowed me enough to lesson my injuries, when I fell onto the pile of tools and fortunately only three vertebrae were cracked. I am sorry to report however, that as I lay there on the tools, in pain, unable to stand and watching the empty barrel 80 feet above me... I again lost my presence of mind. I let go of the rope.



Lee, WA8ERA

(Via WB7VHC, John. Original author unknown. De Sue Peters, KA9GNN)



Net Night Quiz from April 24th

1. What is the characteristic impedance of flat ribbon TV type twinlead?

300 ohms 50 ohms 75 ohms 100 ohm

2. How does the attenuation of coaxial cable change as the frequency of the signal it is carrying increases?

It decreases It increases It is independent of frequency
It reaches a maximum at approximately 18 MHz

3. What must be done to prevent standing waves on an antenna feed line?

The antenna feed-point impedance must be matched to the characteristic impedance of the feed line
The antenna feed point must be at DC ground potential
The feed line must be cut to an odd number of electrical quarter wavelengths long
The feed line must be cut to an even number of physical half wavelengths long

4. If the SWR on an antenna feed line is 5 to 1, and a matching network at the transmitter end of the feed line is adjusted to 1 to 1 SWR, what is the resulting SWR on the feed line?

1 to 1 5 to 1 Between 1 to 1 and 5 to 1 depending on the characteristic impedance of the line
Between 1 to 1 and 5 to 1 depending on the reflected power at the transmitter

5. What is the approximate length for a 1/2-wave dipole antenna cut for 14.250 MHz?

8 feet 16 feet 24 feet 32 feet

6. Which of the following would increase the bandwidth of a Yagi antenna?

Closer element spacing Loading coils in series with the element
Larger diameter elements Tapered-diameter elements

7. What is the approximate length of the driven element of a Yagi antenna?

1/4 wavelength 1/2 wavelength 3/4 wavelength 1 wavelength

8. How does increasing boom length and adding directors affect a Yagi antenna?

Gain increases Beamwidth increases Weight decreases Wind load decreases

9. What is the approximate maximum theoretical forward gain of a three element, single-band Yagi antenna?

5.4 times the gain of a dipole 9.7 dBd 9.7 dBi All of these choices are correct

10. Approximately how long is each leg of a symmetrical delta-loop antenna?

1/4 wavelength 1/3 wavelength 1/2 wavelength 2/3 wavelength

11. What does the term "NVIS" mean as related to antennas?

Non-Varying Impedance Smoothing Non-Visible Installation Specification
Near Vertical Incidence Sky wave Nearly Vertical Inductance System

12. What is the primary purpose of antenna traps?

To notch spurious frequencies
To provide balanced feed-point impedance

To prevent out of band operation
To permit multiband operation

13. Which of the following is an advantage of a log periodic antenna?

Higher gain per element than a Yagi antenna

Wide bandwidth

Harmonic suppression

14. Which of the following describes a Beverage antenna?

A broad-band mobile antenna

A very long and low directional receiving antenna

A vertical antenna constructed from beverage cans

A helical antenna for space reception

15. Which of the following is a disadvantage of multiband antennas?

They present low impedance on all design frequencies

They have poor harmonic rejection

They must be used with an antenna tuner

They must be fed with open wire line

16. Why is a Beverage antenna not used for transmitting?

It has high losses compared to other types of antennas

It has poor directivity

Its impedance is too low for effective matching

All of these choices are correct

17. What is the approximate length for a 1/4-wave vertical antenna cut for 28.5 MHz?

6.5 feet

8 feet

11 feet

16 feet

21 feet

18. Which of the following is an advantage of a horizontally polarized as compared to vertically polarized HF antenna?

Lower radiation resistance

Lower feed-point impedance

Lower ground reflection losses

Shorter Radials

19. How does the feed-point impedance of a 1/2 wave dipole change as the feed-point location is moved from the center toward the ends?

It peaks at about 1/8 wavelength from the end

It is unaffected by the location of the feed point

It steadily decreases

It steadily increases

20. What University was antenna guru John Kraus associated with?

Cal Tech

MIT

Ohio State

Perdue

Brown-Mackey

Penn State

Texas Tech

Milwaukee School of Bartending

Akron Barber College

Little Rock School of the Performing Arts

Fairview High School

Baden Powell School of Paranormal Excitement

West Point

East Point

Dull Point

or.....The Akron School of Welding

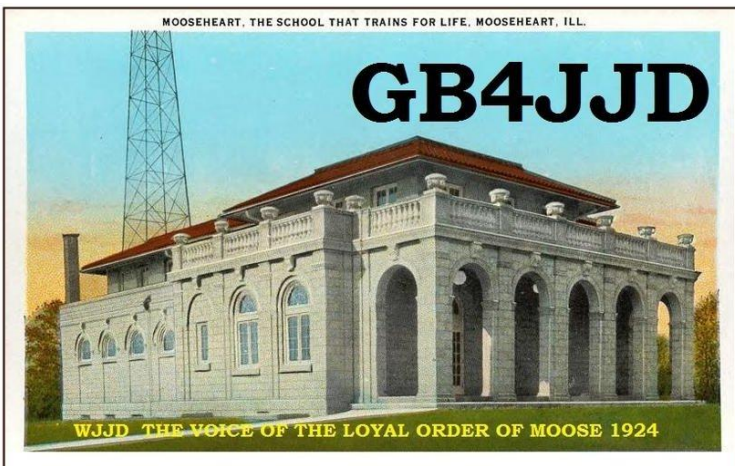
(Answers are on the next page of this newsletter)



May 16-17-18, 2014 - Make plans and go to the Dayton Hamvention®

Moose Anniversary Special Event Station

The Radio Amateurs of Burnham-on-Sea Moose Lodge 123 in the UK are celebrating a special Moose Anniversary this year. We are hosting a Special Event Station in recognition of the 90th Anniversary of the opening by James John Davis of the Mooseheart Radio Station WJJD, affectionately known as “The Voice of the Loyal Order of Moose.”



The event will take place over the weekend of 21st and 22nd of June 2014 and we will be transmitting on all the UK Amateur bands. The station call sign will be **GB4JJD** in honour of J. J. Davis and all contacts will receive a commemorative QSL card depicting the Women's building (note the antenna mast in the background) where the original transmitters were housed. We will be particularly listening for any calls from Moose Amateurs in the States both on phone or CW but nevertheless we will be spreading the Moose message to the world. Please listen out for us.

During the years following the opening of Mooseheart in 1913, the children and other residents there became interested in the new media of Radio. The 5c and 10c store in Batavia was able to supply all the components required to build crystal sets and simple radio receivers. Following the enthusiasm created and the success of this venture, J. J. Davis, in his inimitable way, never failing to seize an opportunity, established a Radio Club at Mooseheart. By 1924 it was decided to test this new media and on 27th October, on Founder's Day, the new Radio Station WJJD (so named in honour of Davis) took to the air. “Mechanical Apparatus” had been installed in the Women's Building and two 150 ft towers erected, one either side of the building to support the antennas. Our picture shows the Women's building and one of the towers.

What the Radio station lacked in professional talent was more than made up by the enthusiasm of the Mooseheart students who in the early days produced and hosted the programs.

Greg KA8TOA

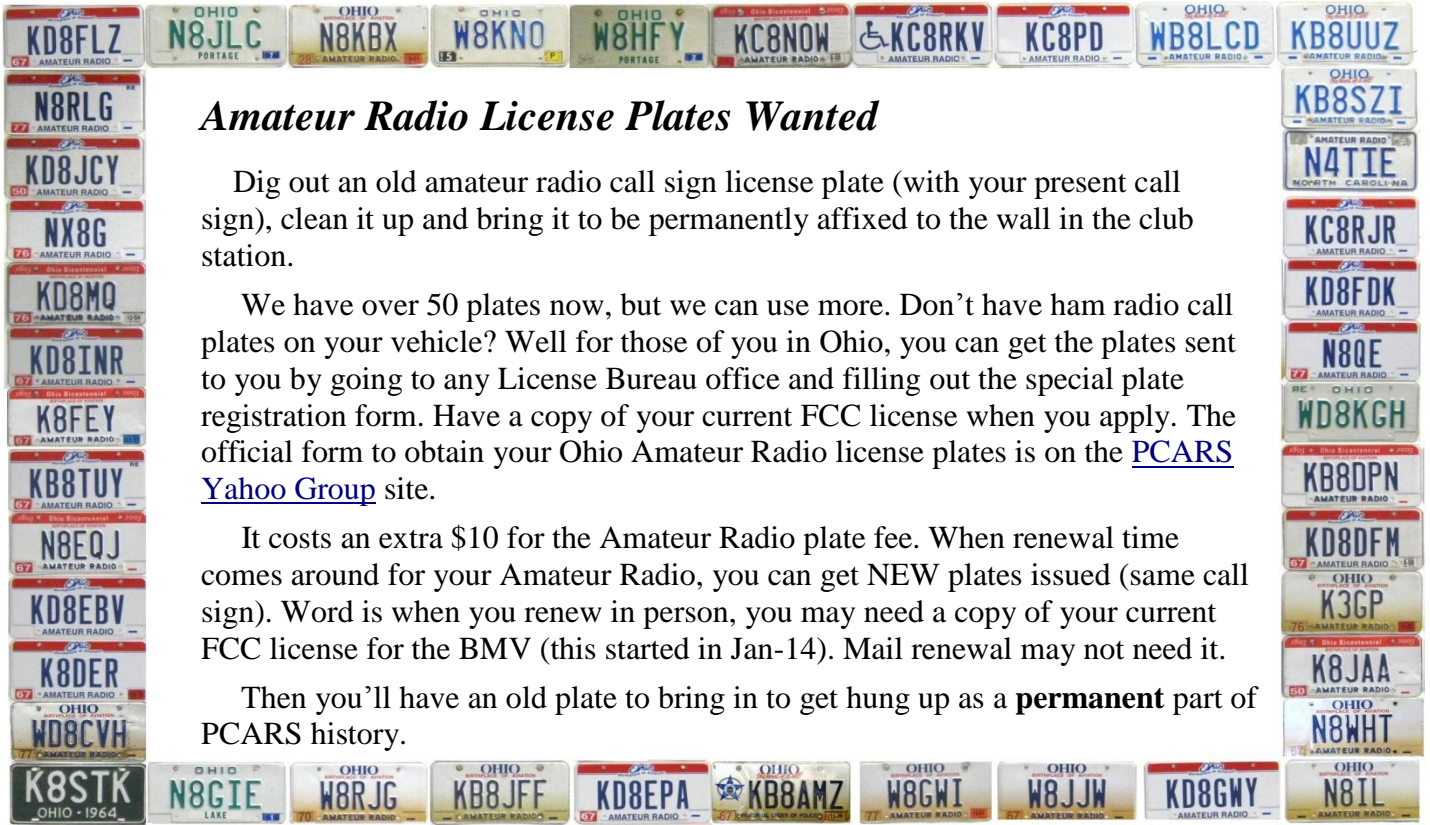


Net Night Quiz Answers

And the answers are:

1. 300 ohms 2. It increases
3. The antenna feed-point impedance must be matched to the characteristic impedance of the feed line
4. 5 to 1 5. 32 feet 6. larger diameter elements 7. 1/2 wavelength 8. Gain increases
9. 9.7dBi 10. 1/3 wavelength 11. Near Vertical Incidence Sky wave 12. to permit multi-band operation
13. Wide bandwidth 14. a very long and low directional receiving antenna
15. They have poor harmonic rejection 16. It has high losses compared to other types of antennas
17. 8 feet 18. Lower ground reflection losses 19. It steadily increases 20. Ohio State

Tom, WB8LCD



Amateur Radio License Plates Wanted

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

We have over 50 plates now, but we can use more. Don't have ham radio call plates on your vehicle? Well for those of you in Ohio, you can get the plates sent to you by going to any License Bureau office and filling out the special plate registration form. Have a copy of your current FCC license when you apply. The official form to obtain your Ohio Amateur Radio license plates is on the [PCARS Yahoo Group](#) site.

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

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

PCARS Meetings

The Portage County Amateur Radio Service (PCARS) meetings are held the **2nd Monday** of each month.

PCARS meets at the **Overlook Restaurant in Twin Lakes** (formerly known as the *Twin Lakes Country Club*). Address is 1519 Overlook Road in Twin Lakes.

Meetings are in the club house (big white building) on the north side of Overlook Road.

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



Kent State University Mini Maker Faire

Earlier this month Tom, WB8LCD sent out an e-mail asking for folks to help man a table to represent Amateur Radio and PCARS at an event at Kent State University called **Mini Maker Faire**. As it happened I had taken a day of vacation for an event in the morning and was able to be there in the afternoon.

Maker Faire is an event where people from all different walks of life demonstrate the things they are making and share their experiences in making them.



Amateur Radio was a great fit in this event where Makers showing everything projects made from knitting and crocheting to modern 3-D printing were showing their projects and sharing how to get started for those interested.

Tom, Errol and Zeb had a great display for Amateur Radio that included simple CW projects, FM transceivers and a great digital communications display, all powered by three antenna set up outside the hall.



showcase Amateur Radio and PCARS!

I had the opportunity to speak with several people who stopped by to ask about Amateur Radio and it was a real pleasure to explain what it was all about. Hopefully some interest was generated and will plant the seed for adding new Amateur Radio Operators to our ranks.

Hats off to Tom for putting together a nice opportunity to

Rick, K8CAV



Pictures from the April Net Night at the Club Site





Portage County Amateur
Radio Service, Inc. - PCARS

Putting the Big Fun in ham radio - K8BF

www.portcars.org



ARRLFD14

June 28-29

HAM RADIO

On the Air from Anywhere!

The most popular on-the-air operating event in
Amateur Radio. Gear up and get in on the action!

Participate in your local
ARRL Field Day June 28-29, 2014
All are Invited!



ARRLFD14
HAM RADIO

On the Air from Anywhere!

ARRL Field Day
June 28-29, 2014

Amateur Radio's most popular
on-air operating event!

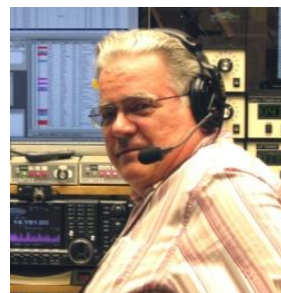
PCARS
Ravenna City Park

Thanks & 73

All of our members (and others) look forward to getting this newsletter every month, so keep sending those inputs! I'm sure PCARS will again be known as the **BIG FUN** amateur radio club with plenty of activities to report on in this newsletter all throughout the year.

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

**WB8LCD, KC8PD, N8RLG, W8KNO, KD8MQ, W8PT, K8JE, KB8UUZ,
WA8ERA, KD8VT, KA8TOA, K8CAV, KB8AMZ, KD8WZS, Ohio Section
Journal, the ARRL and the World-Wide Web.**



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

Tom "Parky", KB8UUZ
PCARS Newsletter Editor

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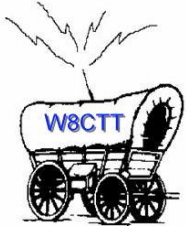
PCARS
April
14
2014

Pioneer Amateur Radio Fellowship, Inc.

Dayton Hamvention 2014

Saturday, May 17, 2014 - 5:30 AM

Don't miss out on this year's PARF Bus Trip to the world's largest topical conference and product exhibition. Save on gas, parking, and walking by riding with us! Leave the driving to us and you can come and go to the flea market with your great purchases and leave them on the bus. The bus will be parked close to the flea market entrance.



You can save \$10* if you book before April 15th.

The cost of the **Bus & Entrance ticket** to the Hamvention:
\$65* before April 15, 2014



The cost of the **Bus Only** to the Hamvention:
\$50* after April 15, 2014

(You will need to get your own Hamvention Entrance Ticket at gate \$25, or order by phone & have held at Will Call--possibly getting Advanced \$20 price.)

We will take riders right up to departure that morning (if there are seats available) on a first come, first served basis.

Departure time is 5:30 AM **SHARP**, so please be on time so you don't miss the bus!

Parking will be in the back of the church.

There will be a stop for breakfast @ McDonald's and a dinner stop @ Golden Corral Buffet (out of pocket expense).

Transportation is being provided by the Crossroads Transportation Company. This bus is a smoke free bus, so there will be no smoking permitted.

To Order - Complete application & send with check/money order (*payable to "PARF"*) to:

Joy Spencer KA8TDF
2101 Bigelow St
Akron, OH 44314
Or call 330-745-5115
E-mail: KA8TDF@arrrl.net

Please supply a return e-mail address for your receipt confirmation.

Location of Departure is:

Akron Baptist Temple
2324 Manchester Road
Akron, Ohio 44314
Located on Rt. 93 just north of Rt. 224

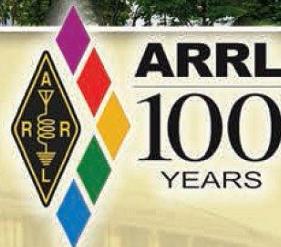
Repeaters 147.135 & 146.610

Please pass the word out to all of your ham friends & computer geeks.

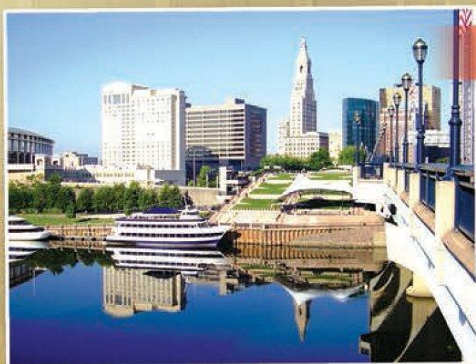
The above pricing does not include any tips...a hat will be passed for driver's tip.



Centennial Events & Programs



■ ARRL National Centennial Convention—July 2014



ARRL National Centennial Convention at the Connecticut Convention Center in Hartford, July 17-19, 2014

Thursday, July 17, 2014

All Day Training Tracks: public service, technology, radiosport, and more!

Friday & Saturday, July 18-19, 2014

- ◆ Exhibit Hall featuring ARRL exhibits, Amateur Radio manufacturers, equipment sellers, and an indoor flea market
- ◆ Dozens of forums & presentations
- ◆ License Exams
- ◆ Friday Night Banquet

**July 17-20, 2014
(Thurs-Sun)**
Tours of ARRL headquarters and W1AW

**Hotel and
Travel details
available
NOW**

ARRL2014.org

- **Regional Centennial Events**
- **Donate Now to the Second Century Campaign for the ARRL Endowment**
www.arrl.org/scc
- **Yearlong On-Air Operating Event and Awards**
- **Plus commemorative publications, regional events, special QST features, and more! Additional details coming soon...**



Advancing the Art and Science of Radio—Since 1914

ARRL2014.org



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

Meetings: 2nd Monday of each month at 7:00 PM



PCARS meets at the **Overlook Restaurant** in Twin Lakes (formerly known as the *Twin Lakes Country Club*). Address is: 1519 Overlook Road in Twin Lakes.
Meeting are in the club house (big white building) on the north side of Overlook Road.

All are welcome to attend ~ Drop in and say hello!

"When All Else Fails - Amateur Radio Works"

PCARS uses the K8IV Repeater: **146.895 MHz** PL 110.9 ~ Rootstown, Oh or PL 118.8 ~ Kent, Oh ~ EchoLink Node: K8SRR

PCARS thanks K8IV for making the repeater available to area hams and for PCARS activities.

2014 PCARS Appointments & Committees

ARRL Awards - DXCC WAS, VUCC, WAC	W8KNO	Joe Wehner
ARRL Awards - WAS	KB8UUZ	Tom Parkinson
Club Site	KC8PD	Jim Aylward
Contest Coordinators	W8KNO W8PT	Joe Wehner Chuck Patellis
EchoLink	K8SRR	Steve Randlett
Field Day Chairman	KD8VT	James Andrews
Field Day Co-Chairman	W8PT	Chuck Patellis
F.Y.A.O.	W8PT	Chuck Patellis
Historian	KB8SZI	Peggy Parkinson
K8BF Callsign Trustee	K8FEY	Bob Hewett
K8BF QSL Manager	K8FEY	Bob Hewett
Net Coordinator	WB8LCD	Tom Sly
Newsletter	KB8UUZ	Tom Parkinson
OSPOTA	KB8UUZ	Tom Parkinson
P.I.O.	WA8AR	Tony Romito
Secretary	KD8SKL	Amy Leggiero
VE Liaison	N8RLG	Robert Gurney
Webmaster	KD8MQ	John Myers

KC8PD	Jim Aylward
KB8UUZ	Tom Parkinson
KB8DPN	Russ Anderson
N4IT	Carl Capps
WB8LCD	Tom Sly
N8XTH	Deron Boring
N8PXW	Jim Korenz
N8QE	Bob Hajdak
W8PT	Chuck Patellis
K8IV	Ed Polack
K8QF	Russ Conklin
WD8CVH	Ted Wands
N8RLG	Robert Gurney
AB8AA	Allan Avnet
K8JAA	Jane Avnet
KD8FLZ	Mike DiCarro
W8RID	Bob Davet
WA8CCU	Al Nagy
NR8W	Russ Williams
KD8RJV	Jim Corbett
W8EZT	Frank Tompkins
N8OQQ	Bryan Buchwalter
AC8NT	Jim Wilson



**PCARS
Volunteer
Examiner
Team**



The **RADIOGRAM** is the official **Award Winning** (ARRL Ohio Section Newsletter First Place Winner - 2012 AND 2013 - plus Second Place in the Great Lakes Division for 2013!) newsletter of the Portage County Amateur Radio Service, Inc. (PCARS) – copyright © 2014. Articles are the opinion of the authors and not necessarily those of PCARS. Or, better yet, let me express it this way: "These are my opinions and only my opinions, unless you share them as well, which would make them our opinions, but I am not of the opinion that I can express your opinion as my opinion without your prior expression of said opinion, and then my re-utterance of that opinion would, in my opinion, be foolish unless I were expressing agreement to your opinion, and then it wouldn't be my opinion but your opinion to which I only agree." **GO AHEAD - STEAL THIS NEWSLETTER!** You have our permission to post, e-mail, copy, print, or reproduce this newsletter as many times as you like, but please do not modify it. If you use material in this newsletter, all we ask is that you give credit to PCARS along with the author of the article. The **RADIOGRAM** comes out the first day of each month (usually), please have inputs submitted by 8 pm ET on the last Friday of each month. ARES® (Amateur Radio Emergency Service®) is a program of, and both logos are registered trademarks (used with permission) of the American Radio Relay League, Inc. ARRL, the national association for Amateur Radio™. **Why the Black Squirrel in our logo?** For those of you not familiar with it: the Black Squirrel is now commonly seen around Portage County, Ohio. Seems that some of these little guys and gals got loose from Kent State University back in 1961. They have migrated and thrived throughout our county. Kent State University even has an annual Black Squirrel Festival. So when you spot a black squirrel – **think PCARS!**

This is the **Electronic E-Mail** version of the **PCARS Newsletter, The RADIOGRAM**. The advantages to receiving this way are: You get **COLOR** pictures, **NO** postage needed, and delivered right to **YOUR** e-mail box! The **RADIOGRAM** is published every month and is sent only to subscribers. If you would prefer not to receive this newsletter, we understand. We'll try not to take it personally. It's not you saying you don't like us, but maybe you just don't have the time to look at all this hard work we've done just for you. Hey, that's cool. But if your heart is truly set on making sure you no longer receive this newsletter, even though we promise to one day reveal the meaning of life in it and you're going to be really upset when you miss out on that.

Portage County Amateur Radio Service, Inc. (PCARS)
Tom Parkinson - KB8UUZ - Newsletter Editor
9992 State Route 700
Mantua, OH 44255

NLC



THE RADIOGRAM