



HRAC meets the second Wednesday of each month at 7:00 pm at HACC, Shumaker Public Safety Center, Gate 5 on Industrial Road in Harrisburg (Elmer Time starts at 6:30PM)

## **CLUB OFFICERS**

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# Harrisburg Radio Amateur's Club Newsletter

## From The Desk of The President.....

Well, it has been an interesting summer so far, to say the least. For the months of June and July, Pete and I are working on staff at a Boy Scout camp in Union county. I took this week off so that I would be available to help with final preparations for the Firecracker Hamfest. We'll be going back Sunday after the hamfest for another four weeks, then the summer camp season is done for the year.

I have been using my EMT skills as their health officer, dispensing daily meds and fixing boo-boo's. Pete has been working at the pool and the lakefront. But don't think that we haven't been involved in radio matters for the past month.

The camp obtained a number of Baofeng HT's to use for intracamp communications. These are the commercial units that they use under their GMRS license. They also have several mobile radios from fixed base operations. What they DIDN'T have was someone who could integrate these pieces into a single network. After some research on line, I was able to get a copy of Baofeng's programming software as well as a copy of Kenwood's programming software. When I go back next week, I'll be able to get all of the radios talking to one another. We still have to set up a couple of the base units and install antennas in addition to reprogramming the Baofengs, but most of the work is done. Moral of the story: Never underestimate the resourcefulness of a ham when it comes to setting up a radio net.

As I write this, it's just a couple of days now, until the Firecracker Hamfest. Things seem to have come together quite nicely so far. We have vendors and speakers lined up. We have the scouts on line to sell food. Now all we need are the tail-gaters. But I'm sure they will be there. I love it when a plan comes together.

I just got the July edition of CQ magazine and an item in their "ham radio news" column caught my eye. You might have already heard about this, but the FCC has decided to drop all fees for issuing vanity call signs. It seems that cost of processing requests and issuing refunds is greater than the \$21.40 fee they currently charge. Of course, they have to fill all of the bureaucratic squares before this can be implemented, so look for a formal announcement from the FCC sometime in late August of early September.

On a more somber note, I'm sure that, by now, you have heard of the passing of Dick Kerlin, K3AM. Not too long ago, we honored Dick with a plaque recognizing his being a licensed ham for 75 years. Dick was a lively 90-something gent. A regular on the 1900 rag chew net on one of the local repeaters and our monthly ham luncheons. I enjoyed his sense of humor and easy smile. Fair winds and following seas, Dick. We'll miss you.

I guess that's about it for this installment. Have a great summer and I hope I see a lot of you at the hamfest.

73,

Tim, KB3OZA

## June Meeting Minutes

The June 10, 2015 meeting of the Harrisburg Radio Amateurs Club was called to order at 1900 HRS by the president, Nick (AA3T).

**Secretary Report** - The minutes of the May meeting were published in the newsletter. Doug (K3DRE) made a motion to accept the minutes seconded by Chuck (WB3BKN). Motion PASSED

**Treasurers Report** – Joe (KQ3F) presented the treasurer's report. Rick (K2RBT) made a motion, seconded by Glen (K3SWZ) to accept the report. Motion PASSED

**Equipment Trustee** – Terry (WB3BKN) reported that:

- The trailer is ready for pick up and will be loaded with club equipment.
- Terry (WB3BKN) will begin to make a database with all the club equipment.

**Repeater** – Steve (KA3PDQ) reported that the new controller should be installed soon.

**VE Committee** – The next test session will be June 20<sup>th</sup>.

**Membership Committee** – No Report

**Newsletter** – Terry (WB3BKN) reported that he would like articles for the newsletter by the last day of the month prior to the next meeting.

**Web page** – Not Present

**EMCOMM** – Marty (KB3BAA) reported that there will be a state-wide digital exercise on September 5<sup>th</sup> and the 19<sup>th</sup>

**DXCC** –No Report

**Entertainment** –There will be no entertainment this month because of the field day and hamfest planning. Next month will be the ice cream social.

**Hamfest** – Terry (WB3BKN) is in the process of collecting fliers form retailers to hand out at the hamfest. There was a decision to keep the same singer for the National Anthem. There will be a meeting a week before the hamfest to paint lines for the tailgaters. There is a need for volunteers to run the special event station. The food arrangements will be made by the Boy Scouts.

**Field Day** – The club will operate 2 stations on generator power as well as VHF/UHF bonus station. Setup is at 10am on Saturday we should be on the air by 2 we should operate until about 10 on Sunday being packed up by about noon. Glen (K3SWZ) will invite the public officials. Nick will get the steaks for the cookout. Doug (K3DRE) made a motion seconded by Rick (K2RBT) to purchase the vertical from Joe's (KQ3F) brother for \$250. Motion PASSED.

**Elmer Time** – Next month Terry (WB3BKN) will do a presentation.

**Old Business** – Joe will pursue putting the club in for the bonus station for the PA QSO party.

**New Business** – Steve (KA3PDQ) would like to retire from doing the weekly net.

**Good of the Club** – The club will make a trip to the abandoned turnpike tunnels in August, The Muckelratz Horse Ride will be on July 25-26 at Wisner State forest, radio coverage is needed, contact WQ3P for details. There was a suggestion made for starting a group electronics kit build.

**Adjournment** – There being no further business to conduct, Rick (K2RBT) made a motion, seconded by Doug (K3DRE), to adjourn. Motion PASSED

Meeting adjourned at 2019 HRS.

# Weekly HRAC Net

The weekly information net is held every Wednesday at 8:00 PM on the 146.760 repeater, except for the second Wednesday of the month, which is club meeting night.

Please send any articles for the newsletter to [hrac.newsletter@Yahoo.com](mailto:hrac.newsletter@Yahoo.com)

The next VE Testing session will be on Saturday August 15, 2015 in the HACC Shumaker building at Gate 5 on Industrial road, Harrisburg, PA. Pre-Registration is required. Please arrive by 8:30am

Contact: Steven Gobat [717-938-6943](tel:717-938-6943) Email: [KA3PDQ@arrl.net](mailto:KA3PDQ@arrl.net).

The results of the July 4th session.

- 8 applicants
- 4 were successful.
- 4 failed
- 9 elements administered.

- 1 - Tech
- 2 - General
- 2 - Extra

- VEs in attendance;
- KA3PDQ
  - KE3YC
  - N3UGW
  - K3URT
  - N3HLK
  - N3FWE

KA3PDQ, Steven

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I welcome subjects for the Elmer Time sessions from anyone, including our seasoned radio amateurs. Subjects should be something to expand on questions in the license exam that may need a clearer understanding. Either email the ideas to me at [Terry@DJTerry.com](mailto:Terry@DJTerry.com), or text at 717-979-9515.

Tnx 73

Terry WB3BKN

## Two Great Amateur Radio Events in October

Don Kunst, W3LNE



The New Birth of Freedom Council will hold their Wizard Safari October 2, 3, 4 at 1073 Accomac Road, Hellam, PA, York County. This event is only held every 4 years and is the oldest and largest Scouting event run by the New Birth of freedom Council. <http://newbirthoffreedom.org/>

You may remember at the Gettysburg 150 I had set up a Ham Radio station near the medical tent for Scouts and Scouters as well as our Amateurs to talk around the world. I have received permission to plan to do this again at the Wizard Safari, but I need Amateurs to help staff it. The goal will be to use the K2BSA/3 call sign as a special event station and let the world hear about the great time we are having at the Safari and to introduce Scouts to Amateur Radio, the Merit Badge and have some fun. I especially hope that our Scouts and Scouters who are Amateur Radio Operators will support this event. In keeping with the event I hope to have Telegraph demonstration.

If you or your club are interested in helping, please contact me by email.



The 6<sup>th</sup> Annual JOTA, Jamboree On The Air, is October 16, 17, 18 in Upper Dauphin County. This weekend of camping gets bigger every year, with some exciting new activities this year. We still will have the Radio Merit Badge and tons of fun. If you haven't attended this event in the past years, it is the one to put on your calendar for the fall. <http://www.k2bsa.net/jota/>

Please let me know if you are interested in attending or staffing this great weekend. This is open to all Troops and Venture Crews in the Council.

I can be reached via email at: [w3lne@arrl.net](mailto:w3lne@arrl.net) or by phone at: 717 712-9116

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### Richard A. Kerlin

Richard A. Kerlin, 91, of Harrisburg, passed away Wednesday, June 24, 2015, at Homeland Center, Harrisburg. He was the widower of Jean Kerlin.

He was born December 16, 1923, in Harrisburg.

Mr. Kerlin was a US Navy veteran, having served in Alaska as a Radio Operator during WWII.

Richard was a member of the Lutheran Church of the Good Shepherd in Paxtang. He was an original member of WHTM-TV and retired in 1985 as a Chief Engineer. He was a life member of the Society of Broadcast Engineers; a 50 yr member of he Perseverance Lodge #21 F& AM, a member of the Harrisburg Consistory; the Scottish Rite Club; and several other Radio Clubs. He also held the amateur radio license K3AM.

Surviving Richard are his children, Lois Paskalik and husband Thomas of Mechanicsburg, Robert Kerlin and wife Alice of Mooresville, NC, William Kerlin of Mt. Gretna, and Marie Thumma and husband Fred of Mechanicsburg; 8 grandchildren; and 4 great-grandchildren.

A memorial service will be held Monday, July 13, 2015, 9:00 AM, at Homeland Center, 1901 N 5th St, Harrisburg, PA 17102.

[www.pennlive.com/obits](http://www.pennlive.com/obits)

## This Little Piggy....

By Terry WB3BKN

Am I the only one who has a problem with this little rhyme?

This little piggy went to market

This little piggy stayed home

This little piggy had roast beef

This little piggy had none

And This little piggy cried

Wee wee wee all the way home

Firstly, Why would a piggy go to market, other than to be sold. That could lead to several possible situations of which none are ideal.

1. He could be sent to a farm to be a stud. That could be fun for a while, but when he gets older... he becomes bacon.
2. He bypasses the stud farm and goes directly to bacon, and sausage.
3. He becomes someone's pet until they get tired of the ever growing pig, now hog.. and then he becomes bacon.

The second little piggy was the smart one. Just stay home and watch football on TV. After all, he has relatives in the game.

The third one... Where do I begin here... Pigs do not eat roast beef. They are vegetarians, maybe even vegans.

The fourth piggy, of course had none, BECAUSE They are VEGAN.

Who knows why the fifth one was crying? Maybe it was because his friend was sold and hauled away to the bacon processing factory.

In my opinion, they should have all skipped going to the market and gone to the home of the little piggy with the brick house and the big antennas. It was after all safe from all winds and could withstand gale winds, and even the wrath of a big bad wolf. It was the perfect "Ham Shack".



# Personalized Items Make the BEST Gifts!

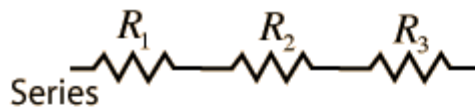
(And who says you can't give yourself a gift...)

**EMBROIDERY - SCREEN PRINTING - VINYL  
HEAT TRANSFER - SUBLIMATION**

T-SHIRTS AND OTHER APPAREL, HATS, MUGS, VANITY PLATES,  
PATCHES, NAME PLATES AND MORE



Visit us online at [www.shopIBD.com](http://www.shopIBD.com) for ideas  
then give us a call at  
**717-885-2696** or **888-265-0812 x101**  
or email [geanne@shopIBD.com](mailto:geanne@shopIBD.com)  
for quotes and personalized service.



$$R_{equivalent} = R_1 + R_2 + R_3 + \dots$$

$$R_{equivalent} = \frac{V}{I} = \frac{V_1 + V_2 + V_3 + \dots}{I} = \frac{V_1}{I_1} + \frac{V_2}{I_2} + \frac{V_3}{I_3} + \dots = R_1 + R_2 + R_3 + \dots$$

Series key idea: The current is the same in each resistor by the current law.



$$\frac{1}{R_{equivalent}} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} + \dots$$

Parallel:

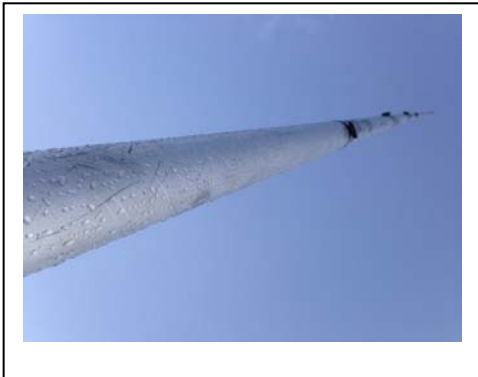
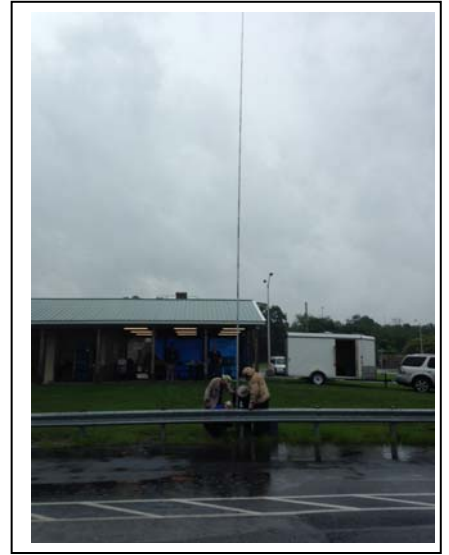
$$\frac{V}{R_{equivalent}} = I = I_1 + I_2 + I_3 + \dots = \frac{V_1}{R_1} + \frac{V_2}{R_2} + \frac{V_3}{R_3} + \dots$$

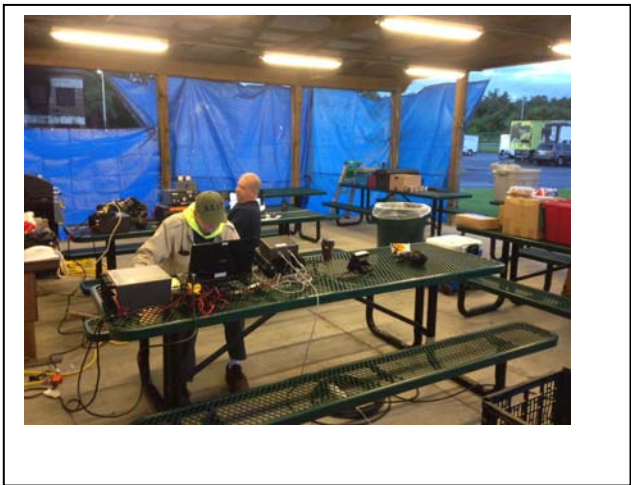
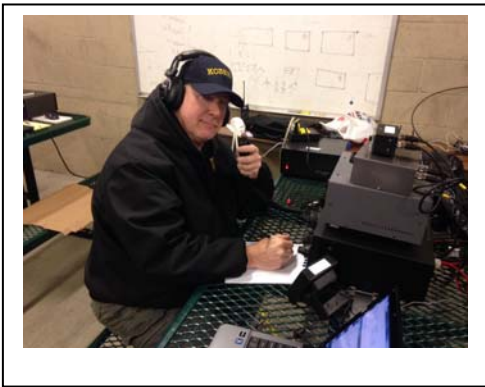
$$\frac{1}{R_{equivalent}} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} + \dots$$

Parallel key idea: The voltage is the same across each resistor by the voltage law.

# Pictures from Field Day 2015

By Steve Hensley KC3EUU





## Monthly Ham Radio Lunch

The last Thursday of each month there is a Ham Radio Lunch at the "Old Country Buffet" at noon (unless it is a major holiday).

This restaurant is located on Route 22 in Colonial Park in the vicinity of Value City Furniture, K-Mart and Home Depot.

It's a great way to meet new people!

## From the Editor's Desk

This month I ran into a few guys who consider themselves "Tech People". In the land before computers, tech people were most often radio orientated. Today that is more likely to have its roots in computers. A great way to expand from computers is to include amateur radio in the mix. I challenge everyone reading this to reach out to the young, and old, computer tech people and show them how amateur radio can add to the quest for knowledge, and how much fun they can have. Maybe you would also want to show them how their tech abilities can help their neighborhood during times of emergencies.

I welcome and encourage submissions to be published. I am just asking for you all to understand and follow a few guidelines. As an editor, my job is to compile stories as submitted to me, and to check for misspelled words, and grammar problems. Your job is to submit a ready to print article. If you have pictures, please add them to your email and they will be placed into the article. If your story is only fragmented sentences, or just copy points, it will be returned to you to correct. This is not because I am a bad guy, but because it takes valuable time to decipher the meaning intended. Please write any articles from the viewpoint of a reader who knows absolutely nothing about the subject. This includes including the meanings of acronyms.

Please do not wait until a day before publication date to submit things. If that is done, it will not be included. Most, if not all regular information is known by the middle of any month, and should be submitted immediately. If you are writing an article about an event, write it while the event is fresh in your mind, and submit it. Don't wait until the end of the month. Send articles to [HRAC.newsletter@Yahoo.com](mailto:HRAC.newsletter@Yahoo.com).

Tnx 73

Editor: Terry WB3BKN

Proofer: Jim WF3J



# HRAC MEMBERSHIP APPLICATION

MAIL TO:  
Tim Lehman (KB3OZA)  
PO Box 453  
Hummelstown, PA 17036  
717-982-8550

Make checks payable to HRAC—Membership is \$15.00 (\$7.50 if over 65) per year.  
Family Membership is \$25 (Hams must reside in the same household)  
Dues end December 31st.

NAME \_\_\_\_\_ CALL \_\_\_\_\_

ADDRESS \_\_\_\_\_

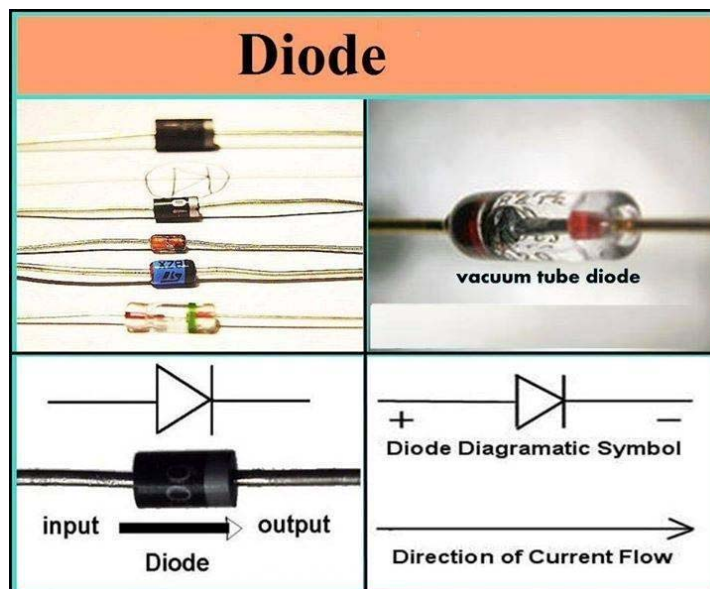
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE \_\_\_\_\_ E-MAIL \_\_\_\_\_

ARRL Member: Y \_\_\_\_\_ N \_\_\_\_\_ \* YEAR FIRST LICENSED \_\_\_\_\_

SIGNATURE \_\_\_\_\_

I agree to abide by the guidelines of the membership and The Harrisburg Radio Amateur's Club, Inc.



39<sup>TH</sup> ANNUAL

RF HILL AMATEUR RADIO CLUB



# HAMFEST



SUNDAY, OCTOBER 18, 2015

RAIN OR SHINE

AT THE SELLERSVILLE FIRE HOUSE


50 N. MAIN ST. (BETHLEHEM PIKE), SELLERSVILLE, PA

GPS Coordinates: Latitude 40.358° N, Longitude 75.309° W

Gates are open 7:00 AM to 1:00 PM for the General Public

Opens - 6:00 AM for vendors • No overnight parking at the Firehouse


Large vehicles & Trailers contact us at address below for preregistration

 **FREE PARKING & TRANSPORTATION** from the parking lot to Hamfest site 6:30 – 12:30)  
Handicapped parking & large item pickup will be available at the firehouse.

 Vendor spaces – Spaces DO NOT include admission.

INDOOR: 8'w x 6'd with 8' x 30" table - \$12 each – 5 or more tables \$10 each.

OUTDOOR: approx. 9' frontage, first come, first served on Sunday - \$8 /space.

 VE testing: Begins at 10:00 AM sharp. *Come ready to upgrade!*  
(Sessions are held across the street in the American Legion Hall)

 Light brunch available - *Great food!*

 **Door Prizes throughout the Day** (Must be present to Win)

***Ham Equipment, Computer Hardware and Software flea market***

For Hamfest information contact:

**Jim Soete, WA3YLQ**

P.O. Box 336, Perkasio, PA 18944

215-723-7294 FAX: 215-257-0724

Email: wa3ylq@arri.net

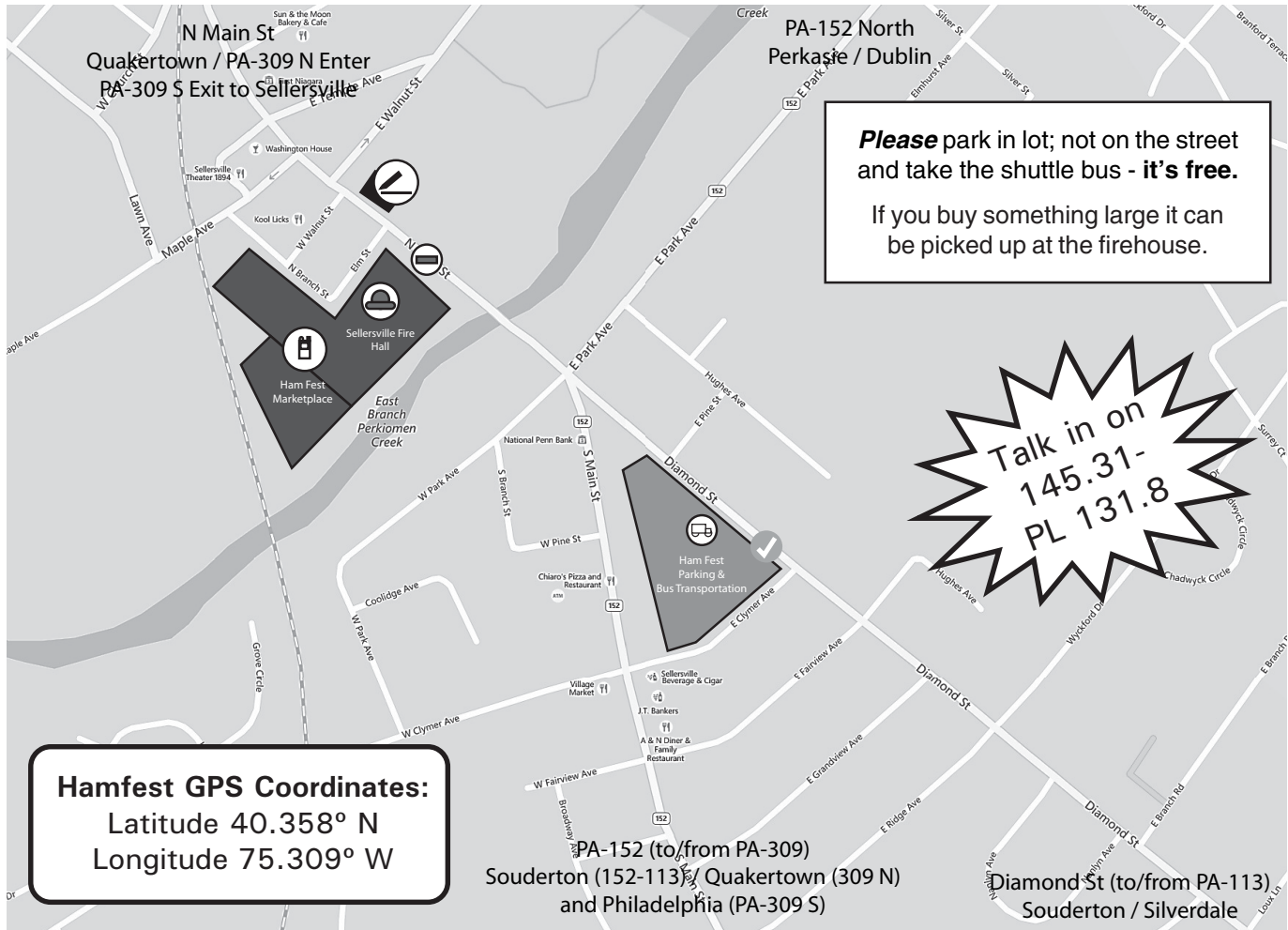
**Club website: [www.rfhillarc.org](http://www.rfhillarc.org)**



**See other side for maps & directions**

\*\* Non-ham spouses and kids are free

# RF Hill Amateur Radio Club Ham Fest Parking, Marketplace, and Activities Map



## Ham Fest Marketplace Parking, Bus Transportation, Item Pick Up, and Vendor Entrances



Ham Fest Parking & Free Bus Transportation

- Ham Fest General Parking
- Free Bus Transportation
- Entry Tickets Purchased on Bus

Please park at this specified location indicated by the Green Checkmark.



Restricted Vehicle Access

Vendors May Enter Here

- Parking only reserved for:
- Handicap Parking
  - Ham Fest Item Pick Up

Please use Ham Fest Parking & Transportation for all other parking with free Bus Transport

## Ham Fest Marketplace and Activities



Ham Fest Marketplace - Outdoor Vendors



Sellersville Fire House - Indoor Vendors - Food (Breakfast and Lunch)



American Legion Hall - ARRL Volunteer Examination Session - 10 AM Eastern

## Directions to RF Hill Hamfest:

**From the North:** I-476 south to Quakertown Exit 45; turn left on PA 663N to Quakertown. Turn right onto PA 309 South. Take exit marked Sellersville.

**From northern New Jersey and New York Metro area:** I-78 West to Exit 60A. Follow PA 309 South. Take exit marked Sellersville.

**From Central New Jersey:** US 202 South to PA 313 West to PA 113 South to PA 152 North to Sellersville.

**From Philadelphia:** PA 309 North to Sellersville Exit (at CarSense, immediately before expressway) Go straight to Sellersville.

**From Delaware:** I-95 North to I-476 North to Exit 31 (Lansdale). Turn right at end of turnpike ramp. Follow PA 63 North to PA 113 North. Left at second light after passing over PA 309.

**From Central PA:** Turnpike East to I-476 North to Exit 31 (Lansdale). Turn right at end of turnpike ramp. Follow PA 63 North to PA 113 North. Left at second light after passing over PA 309.