

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**

### **PRESIDENT**

Terry Snyder  
WB3BKN  
(717) 979-9515  
WB3BKN1@gmail.com

### **VICE PRESIDENT**

Tim Lehman  
KB3OZA  
(717) 982-8550  
Kb3oza@arrl.net

### **SECRETARY**

Steve Gobat  
KA3PDQ  
ka3pdq@juno.com

### **TREASURER**

Nicholas J Rylatt  
AA3T  
Aa3t@arrl.net

### **TRUSTEE**

Steve Gobat  
KA3PDQ  
ka3pdq@juno.com

### **NEWSLETTER EDITOR**

Terry Snyder WB3BKN  
HRAC.Newsletter@gmail.com

### **Webmaster**

Gary Cappello KV3Q  
Webmaster@w3uu.org

# **Harrisburg Radio Amateur's Club Newsletter**

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

We all know that the warm break in the weather is a short lived event in the middle of winter, because the famous marmoset named Phil told us. Actually, my calendar told me the same thing, but the warm spell removed the ice and snow from my long driveway. The mud is just another problem.

I am looking forward to warmer times when we can get out and get the ham radio outings in full swing. I got the word that we can do a special event on board the Millersburg Ferry this year. That should be fun and interesting. Last year we met with opposition from the Millersburg borough about setting up near to the docking area. On the boat is much better anyway, and thanks to Joe WA3EYQ for arranging this.

Some of the planned outings will include the club communications trailer, while others will not. All of this depends on the location and reason for going to that location. Obviously, we will not be taking the trailer onto the ferry boat. I am hoping to get with the committee to plan these events before the next meeting.

I am making an effort to list Elmer topics a few months in advance in this publication. I will be asking someone to take over scheduling presenters for the second half of the meeting. Hopefully that person will be able to schedule in advance so that the schedule can be added to the newsletter.

Our club banquet will be on the **third Wednesday of February, the 21<sup>st</sup>** starting at 6pm in the banquet room of the **Old Country Buffet**, 5083 Jonestown Road, Harrisburg, PA 17112. This is also Rt. 22 kind of beside the Home Depot, and across Rt. 22 from the soon to be gone K Mart.

73

Terry Snyder WB3BKN



## January 2017 Meeting Minutes

The January 10, 2018 meeting of the Harrisburg Radio Amateur's Club, Inc. was called to order at 1906 HRS by the President, Terry Snyder (WB3BKN). The usual member introductions were made.

**Secretary Report** – The minutes of the December 2017 meeting were published in the newsletter. Chuck (N3WL) Made a Motion to accept the minutes as published, Rick (K2RBT) seconded, the motion. Motion Passed

**Treasurers Report** – Nick Rylatt (AA3T) presented the Treasurer's Report. Rick (K2RBT) made a motion to accept the Treasurer's report as read, seconded by Glenn (K3SWZ), Motion PASSED.

**Equipment Trustee** – Terry (WB3BKN) reported All Club equipment was accounted for.

**License Trustee** – Steven (KA3PDQ) reported that there no changes.

**Repeater Committee** – Steven (KA3PDQ) reported that it was working fine.

**Laurel VE Committee** – Steven (KA3PDQ) reported that the next exam session is scheduled for January 13, 2018 at the Winter Hamfest. There were (9) applicants signed up at this date.

**Membership Committee** – The Club has 42 members with 30/71.4% being ARRL members.

**Newsletter Editor** – Terry (WB3BKN), reported that he is always in need of articles.

**Web Page** – Gary (KV3Q) reported that he was continuing working on upgrading the web site. Gary is requesting pictures of Club events for the web site.

**Emergency Communications** – Richard Lenker (KB3YRC) is the new Emergency Coordinator for Dauphin County ARES/RACES. He is currently working on recruiting new Members for EMCOMM and the Club.

**DXCC Committee** - Glenn (K3SWZ) reported that he made a mailing in December 2017 and would be checking QSL cards at the Winter Hamfest.

**Entertainment** – Terry (WB 3BKN) has a list of potential speakers to give presentations at the meetings. He encouraged all to share their experiences and expertise with the membership. Professional speaking and slick presentations NOT being a requirement.

**Hamfest Committee** – *Winterfest*- Tim (KB3OZA) announced that the VVA has been secured for January 13, 2018. The Hamfest will run from 8:00 AM till 11:00 AM. There will be a Exam Session at 9:00 AM. Volunteers are needed and are requested to arrive at 6:30 AM.

**Hamfeast** – The Annual Hamfeast will be held on Wednesday February 21, 2018 starting at 6:00 PM. Location Old Country Buffet, 5083 Jonestown Road, Harrisburg, PA 17112. The membership is responsible for the cost of their own meals. Guests are welcomed. After discussion a Motion was made by Neil (N3JQM) to award door prizes in the form of gift certificates in the amounts of \$200.00, \$100.00 and \$50.00. Rick (K2RBT) Seconded. Motion Carried. A motion was made by Rick (K2RBT) to appropriate \$100.00 for door prizes Chuck (N3WL) seconded the motion. Motion carried.

**Field Day** – No Action

**Elmer Time** – Terry (WB3BKN) has several topics in mind. Terry also said he welcomes suggestions for topics.

**Old Business** – Glenn (K3SWZ) stated that he had sent out reminders to area Clubs about the KEYSTONE AWARD.

**New Business** – It was brought up that with the change of the treasurer that an audit of the books should be performed. Rich Lenker (KB3YRC), Bill Rawlings (KE3YC) and Joseph (W3JPH) will make up the committee.

**Good of the Club** – Tim (KB3OZA) presented Jeff (W3JWK) with a certificate of appreciation for his efforts For the Club in 2017. Terry (WB3BKN) spoke of the need for publicity for the club. He suggested using the Club communications trailer as a tool to draw interest for the club and amateur radio.

**Adjournment** – With no further business Charlie (K3CWT) made a motion to adjourn at 2006 hours

Respectfully Submitted *Steven Gobat, KA3PDQ*

## Volunteer Examiner Report

At the Winter Fest we had 9 applicants who were preregistered and 1 walk in.

Results

6 - Tech

2 - General

2 - Extra

1 - Unsuccessful Applicant

Thanks to all the VEs in attendance!

Curt, K3URT

Brian, K3WKK

Barry, KB3MCK

Steve, N3FWE

Gary, KV3Q

Doug, K3DRE

Bill, KE3YC

Steven, KA3PDQ



**Next session back at HACC on February 17, 2018 in the Shumaker Public Safety building, Gate 5 on Industrial Road, Harrisburg. For directions, please visit our club web site at [www.W3UU.org](http://www.W3UU.org).**

Steven, KA3PDQ

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**Elmer Time** (6:30 pm meeting night)

**March** Elmer Time will cover an introduction to VHF and UHF propagation. I will touch on Tropo and thermal ducting.

I am working on a schedule of subjects for the remainder of the year.



## Your Help Is Needed

In recent months on 40M and 80M, there has been a concern by many Amateur Radio operators regarding certain individual's operating behavior, specifically on **7.200 MHz** and **3.822 MHz**. Constant vulgar and indecent language, music being played, transmitting without a call sign, hate language, threats, and the use of the "N" word, have been normal operating habits by a few.

In the spirit of "self-policing," when confronted by other Ham Radio operators concerned about the behavior, the result is a confrontation that does not resolve the situation but makes it worse.

For the reasons noted in the paragraph above, the FCC Enforcement Bureau has been contacted and notified of the behavior, which includes the Enforcement Bureau Chief and the FCC Chairman. The FCC has responded and is committed to eliminate the issues and will engage FCC resources to resolve this matter.

### **The FCC is requesting the Amateur community participate and assist in this effort:**

"One of the ways that you, as amateur licensees, can assist the agency is to focus on long term patterned bad behavior yourselves. Begin a log of this behavior, noting days of the week, times of the day, and call signs of those stations that consistently and intentionally violate the Commission's rules. Track this behavior over an extended period of time – say 30 days – and then send me your logs. Once we establish a consistent "pattern" of behavior, I can then request that a field agent from one of our local offices be sent to that location. By working together and establishing the "pattern" of behavior, we can ensure that our agent is in the right place at the most appropriate time to monitor the behavior and confirm the possible violation of the Commission's rules. This helps to maximize use of our very limited and very valuable resource . . . our field agents".

Amateur Radio is an extraordinary service to our communities and a wonderful ambassador to the world. We should not allow this type of behavior on the Amateur Radio bands. It is an absolute shame this type of abhorrent behavior is being conducted on Amateur Radio frequencies.

This is a Call-To-Action for all Ham Radio operators to assist the FCC as is being requested to ensure this type of behavior is curtailed and eliminated.

Ron Lowrance, K4SX, is a special contributor to AmateurRadio.com and writes from Missouri, USA.

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## Protect Your Ham Gear with a Case

Michael KB1JEY

If you have acquired some small test or radio gear without a protective case, you could buy a Pelican case, or you could go to Harbor Freight and pick up one of three sizes of Apache cases. They are often on sale, with or without coupons. The prices are about half of what you would pay for a Pelican case. I get one or two of each size when I go by Harbor Freight to be ready to protect my valuable test gear from China.



The smallest size is big enough for a Bird 43. I have heard horror stories of careless hams accidentally pressing the meter glass in. BTW, using a shorting plug or spare element when not in use is also a good practice to protect the meter on your Birds. The Bird 43 in the photo is the one that Bob W2SJ and I installed the peak-reading option for club use on the 2 meter station. I used the middle size to protect my pair of RF Explorers (signal generator and spectrum analyzer) and the accessory cables, to be ready for a trip.

Customizing the foam to fit is easier than you might think. The middle foam layers are pre-scored in a rectangular grid format. With your fingers, you just pull away the sections where your test instrument goes.

## ARRL CEO Tom Gallagher, NY2RF, to Retire

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01/18/2018

ARRL's chief executive officer for the past 2 years, Tom Gallagher, NY2RF, announced his retirement as CEO, as the ARRL Board of Directors prepares to meet January 19-20. He will step down on March 2. Gallagher, who had earlier advised ARRL President Rick Roderick, K5UR, of his intention to resign, expressed his gratitude to Roderick and the ARRL Board for giving him the opportunity to help guide the organization.

"It has been my great privilege to serve in this capacity for 2 years, and I am deeply grateful to the Board and President Rick Roderick, K5UR, for their support and encouragement," Gallagher said.

President Roderick expressed appreciation for Gallagher's contributions to ARRL. "The ARRL is in a transition to a new generation for Amateur Radio. Change doesn't come easy," Roderick said. "Tom helped us in taking that step forward, and for that we are very grateful for his service to the League and to Amateur Radio," he said.

Gallagher, 69, cited recent changes included in the new federal tax law that made it unattractive for him to continue working in Connecticut, where ARRL is headquartered. The Board will evaluate and determine the next steps to take in a search for his replacement when it meets this week.

Among Gallagher's chief accomplishments during his tenure as CEO were creating an enhanced level of professionalism and efficiency in the organization that represents more than 150,000 US Amateur Radio operators. Gallagher also oversaw a significant turnaround in the organization's financial performance.

Licensed in Pennsylvania in 1966 as WA3GRF (later N4GRF in North Carolina), Gallagher is a member of the West Palm Beach Amateur Radio Group. He has described himself as "an incurable HF DXer and inveterate tinkerer" and credits his first visit to the Franklin Institute's Amateur Radio station W3TKQ in 1963 for inspiring his interest in ham radio.

Amateur Radio led to an early career in broadcasting. He was a cameraman and technician with WGBH-TV in Boston, the CBS Television Network, and Metromedia's WIP Radio in Philadelphia.

Gallagher joined ARRL following 3 decades as an international investment banker and financial services executive. His career has included senior leadership positions with JP Morgan Chase & Co and CIBC Oppenheimer & Co in New York, and with Wachovia Capital Markets in Charlotte, North Carolina. He has also served as an adjunct professor at the Walsh School of Foreign Service at Georgetown University and as CEO of the Secondary School Admission Test Board in Princeton, New Jersey. He has served on boards, both public and non-profit, including two NYSE companies; the NPR affiliate in Charlotte, North Carolina; the Executive Board of The PENN Fund at the University of Pennsylvania, and The International Center of Photography.

## **Who is myARRLvoice?**

myARRLvoice is an independent grassroots group working on behalf of our fellow Members of the American Radio Relay League (ARRL), monitoring the activity of ARRL leadership and advocating change to ensure the organization's effectiveness in matters of policy and governance, and to foster ethical and competent stewardship.

View the [members of the steering committee here](#).

## **How did myARRLvoice get started?**

In December 2017, a small group of passionate, long-time supporters of ARRL recognized a disturbing trend in recent actions and proposals of the ARRL Board of Directors. This group banded together as myARRLvoice to better understand the issues, to educate the community and to advocate for positive change. The original group included John Crovelli W2GD, Kip Edwards W6SZN, Rusty Epps W6OAT, Bob Famiglio K3RF, Rich Gelber K2WR, Fred Hopengarten K1VR, Jim Idelson K1IR, Rick Tavan N6XI, Jim Talens N3JT, Bob Wilson N6TV and Marty Woll N6VI.

## **What are the issues myARRLvoice is focusing on today?**

- Matters of Governance
  - Director's Code of Conduct
  - Eligibility of Candidates for Director Elections
  - Recall of Sitting Directors
  - Limitation of Liability and Indemnification for Board Members
  - Voting Rights for Officers
  - Censure of Directors
  - Expulsion of Members
  - Expulsion of Directors
- Matters of Policy
  - HR555 Amateur Radio Parity Act

## **How can I help?**

myARRLvoice needs your support and involvement today. Make your voice heard on the important issues you expect your ARRL leadership to be addressing.

## Another Low Noise Receiving Antenna for 160 Meters

By: Glenn R. Kurzenknabe, K3SWZ

I have been active on 160 Meters for a number of years and have been able to obtain my DXCC Certificate on that band, so things must be working to some degree. I have played around with a number of receiving antennas i.e. EWE's of which I still have two up (SA and AF) and a Pennant on EU, which I took down because I wasn't happy with the performance. (I must get another EWE up on EU before it gets any colder!) I have also tried a number of other designs that we won't go into here, but suffice it to say, they were not successful. I have about 1 ½ acres of property, so I knew I had more than the average "small lot" to play with. A couple of years ago, I read the write up that PVRC'er Bill, N3RR did on his web site on "Short Beverages" but never did more than think about erecting the antenna.

This summer, while reading some old information I had gathered, I found a reference to "Short Beverages" that were used by FRC'er Chas, K3WW. He noted that his were only 150 ft. long! I exchanged a couple of e-mails with Chas, and he was helpful in explaining what he had and had not done and the results he had obtained. He said that he had good success, with both terminated and unterminated versions and preferred to call them "Low Noise Receiving Antennas" instead of "Short Beverages." I decided to give the basic design a try.

First, I stretched a string across the part of my property that I planned to use and found that I could get up a length of 280 ft., (east/west) without any pain. A tree at each end would serve for mounting. I marked off 40 ft. points along the way for supports. The supports are 1 inch, Schedule 40 PVC pipe, cut to about 7.5 ft. with a ¼ inch clearance hole drilled at the 7 ft. mark. I figured this would be high enough for the neighbor kids, deer, etc. I purchased 4 ft. lengths of ½ inch rebar at Home Depot and pounded the rebar into the ground at each 40 ft. point. I only pounded them in about 18 inches to make removal easier. My son and I did this very carefully, after promising each other; we wouldn't hit the other with the sledgehammer! The PVC pipe slips easily over the rebar. The wire I selected was plain old #12 stranded wire from the local electrical supply house. The color is optional! I purchased a 500 ft. spool. It was a little pricey at \$55!

I purchased a K9AY (AY Technologies) 9:1 transformer, Model TRX-9 from Array Solutions, and I must say that is a first class device. (K9AY no longer makes these transformers.) KD9SV makes one and markets it through DX Engineering, also K1FZ makes one. Regardless of what you do for a transformer, make sure that the primary and secondary have isolated grounds. At first, I was going to try the antenna unterminated, but I decided to go with a terminated version to the west. The termination is simply two 1K ohm, 2 watt resistors in parallel to make a 500 ohm load. The ground rod at each end is a 3ft. piece of ½ inch hard copper water pipe driven about 2.5ft. into the ground. The connections are made with S.S. hose clamps. At the urging of Mike, W3TS, I also added four 25 ft. radials at both ends to the ground rods. It was easy enough to do and he says it will help the performance. I feed it with a hunk of RG-8X, about 50 ft. long. It is a bit early in the season for any serious evaluation, but I can say it does reduce the atmospheric noise! No, I am not using a pre-amp, as I do on the EWE's. There seems to be adequate output signal. The first day I was on 160 Meters this season, I worked VK3ZL for a new Country/Zone! I was hearing him on the Inverted L transmit antenna, but the Signal to Noise Ratio was better on the "Short Beverage." The next day brought a QSO with K7C (Kure Atoll) for a new country, with a like result. I have played with the antenna on the Broadcast Band, and there is definitely a difference in Signal to Noise Ratio and directivity. I can't say that this antenna is the answer to all receiving problems on 160 Meters, but it sure is easy to build, and it does show promise. A day or so after the K7C QSO, I worked JA1HQT on 80 Meters and he was unreadable on the Inverted Vee! Further experiments using it on 80 and 40 Meters will come as the season progresses.

I am eager to do some serious evaluation during the upcoming contests. I have already given some thought to another antenna toward JA and possibly making the first one reversible. That will all come next summer, assuming I am as happy at the end of this season, as I am now!

A number of things have occurred since I wrote and updated the original article. First, it has been a real performer, considering what it is... It has accounted for a number of new countries on 160 and 80 Meters. In the Spring of 2008, a neighbor's tree fell my way and some of the top branches took out the antenna, simply breaking the wire. When the weather broke, I replaced the wire with the same wire as before. I have since modified the Beverage to be "Reversible". This has been accomplished by adding an identical 9:1 transformer at the opposite end. Both ends are brought into the shack with coax of un-equal lengths. Therefore, one is slightly over 300 ft. long and the other is about 50 ft. long. The high Z winding is grounded at the feed point to the earth ground rod. The 50 ohm winding shield of the feed line "floats" until it reaches the "common point ground" outside the shack. Switching is accomplished with a simple relay, which terminates one end and feeds the other to the receiver and visa-versa. (I can provide a copy of the schematic diagram) 50 ohm terminations are made of two, 100 ohm, 2-watt resistors in parallel, which are mounted in the control, box. I used a spare set of relay contacts to fancy it up but having LED's indicate direction. The "front to back" results are pretty amazing, again considering the length of the antenna. I have also had an opportunity to use the antenna on 40 and 80 Meters and it really performs there, as it should considering that it is much longer on those frequencies.

The performance of this antenna is simply amazing. It works well on 160 Meters and better on 80 Meters, as you would expect. I have had situations lately where this antenna was the only antenna to pull the station out of the noise on both Pacific and African paths. It has proven to be a big help in reducing the QRM/noise during a contest on 160 Meters.

40 Meter performance has been a little less than exciting in the long term. I have found that it is not needed as much on that band, so I don't have a lot of results to draw from.

Glenn R. Kurzenkabe, K3SWZ



## 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@Gmail.com](mailto:hrac.newsletter@Gmail.com)

### Local area nets:

Capitol Area Traffic Net starts **Monday at 8 PM** on the South Mountain Radio Amateurs (SMRA) repeater on 146.46 (67.0 tone), 1 MHz offset.

The Combined Club ARES/RACES Net meets **Monday at 8:30 PM** on the Keystone 146.97 Repeater (Tone: 123 Hz).

South Mountain Radio Amateurs (SMRA) Net on **Monday at 9 PM** on the 145.43 (Tone: 67 Hz) repeater located in Mt. Holly Springs.

The Keystone VHF Club Digital Net on **Tuesday at 8 PM** on the York 146.97 Repeater.

The Keystone VJF Club ELMER Net on **Tuesday at 9 PM** on the York 146.97 Repeater right after the Digital net

A local FM Simplex Net runs **Thursday at 8:30 PM** on 146.55 MHz.

South Central PA 10 Meter Net **Friday at 8 PM** 28.495 MHz USB

Ham Shack Talk Net - Monday at 9 PM: 28.335 MHz. Delaware

Lehigh Valley ARC Net - Sunday 4:00 PM: 28.430 MHz Do Drop In net - Sunday 8:30 PM: 28.450 MHz Penn- Mar Club net - Friday. 8:30 PM: 28.495 MHz.

10 Meter Ragchew Net - Every evening starting 7:30PM: 28.600 Mhz

6 Meter Magicians Net from Pottstown Wednesdays at 8:30 PM on 50.130 USB. At 9 PM, they switch to 50.400 and run A.M. modulation and call themselves the Mini Boat Anchor Net. The KVHFC 6 Meter Activity Net run by Steve Cruse, K3WHC meets on 50.140 MHz USB on Wednesday evenings starting at 8:30 PM.

Harrisburg Radio Amateurs Club Information net at 8pm on 146.76 (100 hz tone) every Wednesday except club meeting night, which is listed at the top of the first page of this newsletter.

## 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

Without your contributions to this newsletter, there is nothing to report, and the paper suffers. Keep those cards and letters coming in. Take pictures of things that you do and share them with us.

**Please note the new email address for articles:**

**Hrac.newsletter@gmail.com**

Tnx 73

Editor: Terry WB3BKN (AKA Perry White)

Proofer: Jim WF3J



# *HRAC Annual Banquet aka Ham Feast*

**Wednesday February 21 2018**

**This will replace the regular February meeting**

**All are welcome to come to the annual banquet, and bring the family, at the Old Country Buffet at 5083 Jonestown Road, (Rt. 22) Harrisburg, PA. Take the Colonial Park exit from Rt. 81 and travel East. It is located near to K-Mart and Home Depot.**

**This is where we present the Ham OF The Year award, along with door prizes. Some of the door prizes are useful, some are just fun, and all paid up members present are eligible to win the BIG, valuable door prize to be announced.**

**Arrive at 6pm, or earlier if you wish, and after paying at the door for your own meal, (hey, we are not a rich club after all) proceed to the banquet room at the rear of the dining area.**

**After we eat, we will get into the planned events and you will have time to mix with everyone and visit.**

**We have the room until they close, which is between 8:30 and 9:00 pm.**



# 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 \_\_\_\_\_

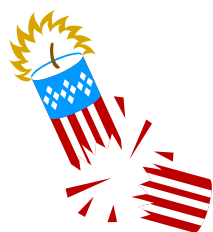
ARRL Member: Y \_\_\_\_\_ N \_\_\_\_\_ \* YEAR FIRST LICENSED \_\_\_\_\_

SIGNATURE \_\_\_\_\_

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



W3UU - Harrisburg Radio Amateurs' Club 47<sup>th</sup> Annual



**Saturday June 30<sup>th</sup> 2018**



# FIRECRACKER

Electronics Expo and Hamfest  
Harrisburg Area Community College

**Fire Training Grounds**

3599 Industrial Road, Harrisburg, PA

- ◆ Covered indoor **Commercial Tables** Available
- ◆ **Largest Tail Gate / Electronic Flea Market in Central PA**
- ◆ **Hundreds of tailgate spaces available**
- ◆ New and refurbished equipment dealers on site
- ◆ **ARRL Sanctioned Hamfest**
- ◆ **Great Food (Breakfast and Lunch)**
- ◆ Meeting room available for clubs and discussions
- ◆ **DXCC & WAS** cards checked on site until **10:00 am**

W3UU  
146.16/76 MHz  
PL 100 Hz

Map on Reverse side  
of this flyer

**Special Event  
Station  
In operation at the  
Convention**

**General Admission:** \$5.00 (Non  
ham XYL & kids under 12 free)

**Tail Gating:** \$5.00 per space

**Tables:** \$12.00 each before June 1  
\$15.00 on or after June 1

**General Admission: 8:00 AM**

**Dealer Setup: Hamfest Day 6:00 AM**

**Prior Day 6:00 PM - 9:00 PM (Strictly enforced)**

For further information contact:

Web Site: [www.w3uu.org](http://www.w3uu.org)

**Table Sales**

**Joe Stepansky (KQ3F)**

[KQ3F@comcast.net](mailto:KQ3F@comcast.net)

717-329-1906

**General info**

**Tim Lehman (KB3OZA)**

PO Box 453

Hummelstown, PA 17036

[KB3OZA@arrl.net](mailto:KB3OZA@arrl.net) 717-461-3398

**General info**

**Terry Snyder (WB3BKN)**

PO Box 355

Halifax, PA 17032

717-979-9515

[Wb3bkn1@gmail.com](mailto:Wb3bkn1@gmail.com)

Directions to the Hamfest from rt. 81 (watch for signs):  
**Located just north of Harrisburg, Pa.**  
Rt. I-81 to Exit 67 (Follow signs to Farm Show Rt. 22 East)  
Follow Rt. 22 about 3000 ft, Turn **RIGHT** at light  
Continue on Wildwood Park Drive and road will become  
Industrial Road. Hamfest / Convention is 3/4 mile on **RIGHT**  
**3599 Industrial Road, Harrisburg, Pa 17110**  
40.303645,-76.888379 (Gate 5)  
**Represented on this map and picture by the**  
**Green B and arrow the "A" is Exit 67**



From Rt 83 and points south:  
Exit 43 (Second Street, Harrisburg)  
Follow ramp to light at Paxton St. and turn **RIGHT**  
At next light (Cameron Street) turn **LEFT**  
Follow Cameron street to Wildwood Park Drive, at Farm Show, Turn Left  
Continue and road becomes Industrial Road, Hamfest is ¾ mile on Right

Mapping/APRS Coordinates  
Hamfest: **40.303645,-76.888379**