



# FEEDBACK



Web Site [k3dn.org](http://k3dn.org)

Warminster Amateur Radio Club

December 2013

## Next Meeting December 5th , 2013 – Holiday Dinner

### President's Message

It's cold outside, basically just plain downright cold! An early winder blast, or premonition of a long winter? Who needs long term snow forecast? Just look at mother nature....Oak trees in our area have produced an over abundance of acorns giving the squirrels plenty of winter food . It's actually been too cold for me to finish all of my outside fall chores. We have trees still holding on to their leaves.

At least band conditions have been great. Is this a second peak to the solar cycle? Both The CQWW SSB and CW contests had phenomenal 10 and 15 meter openings. It's been a long time since I have seen this happen. Hopefully you had a chance to get on the air. This year our VE2DXY team in Zone 2 doubled our score in the CQWW SSB contest and I had a personal best in the CW contest. In December you will find the ARRL 10 meter contest. So, if the Sun continues to shower us with excellent band openings, even a small antenna will work from any location.

Our thanks to everyone who helped out at the annual Thanksgiving run in Newtown. Our club has provided communication for this charity event for as long as I can remember. Some years, even in the snow. This was just a cold fall morning with wind chill well below freezing. It made for a quick race and everyone was home well before the Thanksgiving feast. And once again Doc, W3GAD, did a wonderful job of coordinating everything.

Our December meeting is the annual Holiday dinner. There still is plenty of time to sign up. It is a social meeting, no agenda, just a time for everyone to gather together. In January we plan on having a Brainstorming session. We need to start looking forward to club activities and presentations. I have heard from many of you with ideas on how we should enhance our club. This is an opportunity for you to share your ideas with everyone. We are also at a cross-road in our club. We have the same individuals volunteering all the time. This years' election found us with having a difficult time in filling a Board positions. We need to start planning way a head. In 2014 our elections will be aligned to the WARC By-Laws and be held in May. This is one month earlier than previous elections.

As this is the time of year to reflect back and give thanks, I would like to thank everyone who has volunteered their time to make both our club and community a better place.

I look forward to seeing everyone at the Holiday Dinner.

Get on the air..... and 73's - Irwin KD3TB

### **FOR SALE**

Factory new on spool, Belden 9913 for sale.  
email [w3icc@hotmail.com](mailto:w3icc@hotmail.com) for details.

73, Drex

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### **HOLIDAY DINNER**

It's that time again for our Waminster Amateur Radio Club holiday dinner. We need to get the information to the caterer so it would be greatly appreciated to get your reservation in - even if you pay at the door. Herw is the info:

Date: December 5th / 6:30PM

Where: Ben Wilson Senior Center

Cost: Single adult \$13.00

Couple \$26.00

Children \$6.50

How to pay: PayPal via K3DN.ORG website (best way)

Pay by cash or check to Bill Ballentine at November meeting.

Pay at door (only if you advise a WARC board member ahead of time so we ca get a correct count)

This year as in previous years, the WARC board underwrites the cost of the event.

See you there.

### **YOUR LEAGUE: ARRL HELPS MANUFACTURER TO RESOLVE ARC FAULT CIRCUIT INTERRUPTER RFI PROBLEMS**

The ARRL Lab has worked with a manufacturer of arc fault circuit interrupter (AFCI) breakers to resolve complaints that Amateur Radio RF was causing certain breaker models to trip unnecessarily. Like the more common ground fault circuit interrupter (GFCI), the AFCI is a safety device. Primarily designed to detect problems that could result in a fire, AFCIs detect potentially hazardous arc faults that result from often unseen damage or poor connections in wiring and in extension cords and cord sets.

"Several months ago we started receiving reports from amateurs that when they transmitted, their AFCI breakers were tripping," said Mike Gruber, W1MG, the ARRL Lab's EMC specialist. He noted that the issue has been a topic of online ham radio discussions as well as on homeowner sites; it seems that stray RF is not the only thing that can cause a "nuisance trip" of an AFCI. Gruber pointed out that the National Electrical Code (NEC) already requires AFCIs in some household circuits, but not all US jurisdictions have adopted the requirement.

Gruber said that as AFCIs became more common in new construction in the US, reports started coming in that AFCIs in the vicinity -- not just in the radio amateur's home -- would trip in the presence of RF from an Amateur Radio transmitter. While each manufacturer's design is proprietary, most AFCIs detect arcs by monitoring the shape of the alternating current waveform, changes in current levels, voltage irregularities, and the presence of high frequency emissions or "noise." The ARRL Lab dug into the problem.

"Last summer we built a test fixture in which we could test any type of circuit breaker," Gruber said. It involved using W1AW as an RF source. Gruber said he bought one of "every AFCI that I could get my hands on," but when the Lab began testing them during W1AW transmissions, none of the devices tripped.

A ham in New Mexico who had reported AFCI problems sent some of his breakers to the ARRL Lab, "and those tripped when we tested them," Gruber said. The problematic breakers were certain models made by Eaton Corporation. "We already had an Eaton breaker, an older model, but it did not trip," he noted, adding that the breaker had a yellow button. The newer model, which had a white button, did trip in the presence of RF, however, even at power levels down to about 50 W on 17 meters.

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Gruber contacted Eaton, and two of the manufacturer's engineers visited ARRL Headquarters in August. "Eaton was extremely cooperative and eager to resolve this," Gruber recounted. "They spent the day with us, going over our test methods and took some of the problematic breakers back with them, eventually developing a modified version.

"We have just finished testing the new version of the breaker, and it did not trip during W1AW transmissions and in other tests," Gruber reported. He said the new breaker is still in the queue for UL approval.

Eaton Engineering Director Andy Foerster said arc fault detection is challenging, in part because so many common household devices -- such as vacuum cleaners and power tools that use motors with brushes -- create arcing. In information provided to ARRL Eaton engineer Lanson Relyea said that because AFCIs rely on HF emission detection to verify arcing, "any signal that conducts or radiates a signal within the detection band of the AFCI can cause interference and cause the device to trip without the presence of a true arcing condition."

Eaton and ARRL agreed that when the manufacturer comes out with any new models of breakers, it will ask the League to test them at W1AW. "It's a win-win situation," Gruber said. Eaton also has agreed to work with anyone having a problem with RF tripping its AFCIs.

Hams experiencing unwanted tripping problems with their or their neighbors' AFCIs should first contact the manufacturer. In the case of Eaton breakers, contact Bob Handick <RobertEHandick@Eaton.com> (412-893-3746) or Joe Fello <JosephPFello@eaton.com> (412-893-3745).

Read more

<<http://www.arrl.org/news/arrl-helps-manufacturer-to-resolve-arc-fault-circuit-interrupter-rfi-problems>>.

*Courtesy of the ARRL Newsletter*

## **TQSL 2.0 SOFTWARE RELEASED FOR LOGBOOK OF THE WORLD**

A new version of the TQSL software for use with Logbook of The World (LoTW <<http://www.arrl.org/logbook-of-the-world>>) is available, and it has major changes. This latest update, TQSL 2.0 <<http://www.arrl.org/tqsl-download>>, has been revamped to combine TQSL-Cert and TQSL into a single program, adds additional documentation for certificate operations, and includes a new, task-oriented user interface. Where previous versions had two icons on your desktop -- TQSL and TQSL Cert -- the new version has just one. You'll now be able to log onto your user account from TQSL. In addition, icons within the TQSL user window are larger and easier to identify.

With v 2.0, you get auto-uploading of TQ8 log files and TQ5 certificate requests. In addition, there's automatic dupe checking to prevent previously uploaded QSOs from being uploaded again, saving LoTW server resources. TQSL 2.0 will check for updates in the software and configuration files and notify the user.

Once the user approves the update request, TQSL does the rest.

Individual station locations -- if you have more than one registered -- are managed in a folder tree format. TQSL 2.0 also incorporates cross-checking to prevent users from entering invalid zones, states or provinces. TQSL 2.0 will back up your call sign certificates, station locations and uploaded QSO log, so it's easy to move from one computer to another or recover from a hard disk failure.

It's easy to upgrade. Install TQSL 2.0, and the installer will automatically uninstall older versions of TQSL while preserving your configuration information. Several things will be obvious the first time you run the new TQSL program. The user interface is completely different, with buttons to carry out major operations. It also provides tabs to access operations for Station Locations and Call Sign Certificates. The Station Location tab displays your station locations and associated call signs.

If you're new to LoTW, instructions <<http://www.arrl.org/instructions>> on the ARRL website explain how to participate. More than 60,000 radio amateurs use LoTW to confirm their contacts and to apply for awards, such as DXCC <<http://www.arrl.org/dxcc-faq>>. Nearly 78 million contact confirmations have resulted to date.

*Courtesy of the ARRL Newsletter*

*(Continued on page 4)*

*(Continued from page 3)*

### **BUCKS COUNTY MARATHON (26.2 MILES) THANKSGIVING 5 MILE RUN FOR YOUR HEALTH**

The club helped provide communications at both of these events with participation largely by club members. The Marathon had 309 runners over a course along the tow path of the Delaware Canal held on November 17. The Thanksgiving run had over 800 participants and was run in Newtown. The following is a list of participating hams in the Thanksgiving run. The list of hams for the Marathon is not currently available but many of the same people participated.

Special thanks goes to Brian, N3EXA, for providing a portable repeater and helping to determine coverage for the Marathon.

Doc, W3GAD, did a magnificent job of coordinating the communications for both events.

Doc	W3GAD
Drex	W3ICC
Rich	KB3NRL
Bob	KA3TSJ
Mark	WA3QVU
Adam	KB3JCP
Larry	WA3ELQ
Bill	K3MFI
Irwin	KD3TB
Jason	N3RAY
Al	WI3Z
Michelle	KB3MTW
Mike	WE3L
Jim	WA4YWM
Neil	W2GTV
Doc	KA3RAU
George	N3HBT

### **HAM RADIO IN SPACE: FIRST HIGH SCHOOL SATELLITE AMONG NOVEMBER HAM SATELLITE BONANZA**

The first high school satellite, TJ3Sat <<http://www.tjhsst.edu/students/activities/tj3sat/>>, which launched this week aboard a Minotaur I rocket from Wallops Island, Virginia, was among several satellites <<http://amsat-uk.org/2013/11/13/three-amateur-radio-satellite-deployments-in-november/>> carrying Amateur Radio payloads -- two with ham radio transponders -- scheduled to be put into orbit during November. In addition to the Minotaur I launch, other satellites <<http://www.arrl.org/news/massive-satellite-cluster-launch-set-for-november-21>> are set to go into space early November 21 (UTC) aboard a Dnepr rocket from Russia, while still others were scheduled to be deployed from the International Space Station. The Minotaur I carried 29 satellites in all.

The TJ3Sat CubeSat is a joint project between the Thomas Jefferson High School for Science and Technology in Alexandria, Virginia, and industry partners to design and build a CubeSat to inspire interest in aerospace technology as part of NASA's Educational Launch of NanoSatellites (ELaNa <<http://www.ne.jp/asahi/hamradio/je9pel/minotaur.htm>>) program. The school says the satellite's main mission is "to provide educational resources to other K-12 education institutions to foster interest in aerospace through the successful design and flight of a CubeSat."

Perhaps more to the point for high schoolers, the satellite's Text Speak module will convert text messages into analog voice signals. "Students and other users from around the world can submit text strings to be uploaded to the TJ3Sat website. Approved text strings will be transmitted to the satellite and the resulting voice interpretation will be relayed back to Earth over an Amateur Radio frequency," the TJ3 website explains. The small satellite also will transmit telemetry. Details <<http://www.tjhsst.edu/students/activities/tj3sat/>> are on the TJ3Sat website. The school says the November 20 (UTC) launch culminated 7 years of work by more than four dozen students. According to a Washington Post article <[http://www.washingtonpost.com/local/education/fairfax-county-students-build-first-satellite-sent-to-space/2013/11/19/015db0ea-508f-11e3-9fe0-fd2ca728e67c\\_story.html](http://www.washingtonpost.com/local/education/fairfax-county-students-build-first-satellite-sent-to-space/2013/11/19/015db0ea-508f-11e3-9fe0-fd2ca728e67c_story.html)>, the satellite will broadcast its first message to TJ alumni worldwide: "Go Colonials!"

*Courtesy of the ARRL Newsletter*

*(Continued on page 5)*

*(Continued from page 4)*

### HAM RADIO IN SPACE: AMSAT-UK FUNCUBE-1 SATELLITE IN ORBIT

A Russian Dnepr rocket carried AMSAT-UK's FUNCube-1 <<http://funcube.org.uk/>> -- now known officially as AMSAT-OSCAR 73 -- and 18 other satellites carrying Amateur Radio payloads to orbit at 0710 UTC on Thursday, November 21. Ground stations began receiving telemetry from FUNCube-1 soon after deployment and the satellite appears to be functioning normally.

One of the satellites on the launch, UniSat-5 <<http://www.gaussteam.com/>>, will deploy a number of additional satellites. Among them should be the CubeSats PUCP-SAT-1, HumSat-D, estar-2, Icube-1 <<http://amsat-uk.org/2012/01/13/icube-1-cubesat/>> and the PocketQubes Wren <<http://amsat-uk.org/2013/10/24/wren-a-ham-radio-sstv-pocketqube/>>, Eagle-1 (BeakerSat), Eagle-2 (\$50Sat) <<http://amsat-uk.org/2013/10/16/50dollarsat-pocketqube-satellite/>>, QB-Scout1. PUCP-SAT-1 intends to subsequently release a further satellite Pocket-PUCP.

As well as UniSat-5 and its associated CubeSats and PocketQubes these Amateur Radio satellites were also on the launch:

HinCube <<http://hincube.cubesat.no/wp/>>

FUNCube-1 <<http://amsat-k.org/funcube/funcube-cubesat/>>

ZAcube-1 <<http://amsat-uk.org/2012/08/25/14099-khz-cput-cubesat-to-launch-end-of-november/>>

First-MOVE <<http://amsat-uk.org/2012/07/21/time-lapse-first-move-cubesat-integration/>>

UWE-3

Velox-PII

CubeBug-2

Triton-1

Delfi-n3Xt <<http://amsat-uk.org/2011/12/13/delfi-n3xt-amateur-radio-satellite/>>

GOMX-1

For a frequency list, see

<http://amsat-uk.org/2013/11/13/three-amateur-radio-satellite-deployments-in-november/>.

The latest orbital elements for FUNCube-1 are available at

<http://funcube.org.uk/working-documents/latest-two-line-elements/>.

*Courtesy of the ARRL Newsletter*

### ON THE AIR: RARE, BRIEF 6 METER F2 OPENING MAKES FOR PLENTIFUL DX

Six meter operators were treated November 9 to an F2 opening from approximately 1500 until 1630 UTC. "These have been very rare in Solar Cycle 24," said QST "The World Above 50 MHz" Editor Jon Jones, N0JK. He described the opening as "mostly single-hop F2" from the East Coast, Midwest, Gulf Coast, and to the West Coast to Central America, Northern South America and Caribbean.

Jones said the geomagnetic field was active, with a K of 4, due to what Spaceweather.com <<http://www.spaceweather.com/>> called "a gusty stream of solar wind buffeting Earth's magnetic field, sparking auroras around both of our planet's poles." Jones said he was "late to the show" because he'd worked the night before. He didn't get into the fray until 1550 UTC after he saw all the 6 meter spots showing up.

"I turned on the radio, and FM5AN, P43A, PJ4NX, etc were all blasting in loud here in eastern Kansas," he said. "I worked FM5AN and P43A from home using a M2 loop in the attic. Jean, P43A said I was S-9. Nothing new or rare, but any F2 on 6 meters in solar cycle 24 is a treat."

*Courtesy of the ARRL Newsletter*

## CLUB INFO

### PUBLIC SERVICE

### CLUB STATION

The WARC club station is open to anyone with an interest, on Tuesday evenings between the hours of 7:00 and 9:00 pm. For further information, call George Brechmann N3HBT at 215-443-5656.

### WARC ALUMNI MEMBERSHIP

An Alumni membership category is available for WARC members who are unable to attend meetings and club activities on a regular basis because of health considerations, travel impediments, or other hardships. Dues for the Alumni membership are \$10.00 annually. Please contact the Membership Committee for more information if interested."

### ATTENTION MEMBERS

The Membership Committee can provide Club badges. Two types are available: an engraved plastic callsign and name badge for \$5 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership when a facial photo is provided by you. Please see members' photos on club website for proper facial composition. If you do not have at least a Warminster Amateur Radio Club badge with your picture on it, please contact your Membership Chairs at the WARC monthly meetings. Otherwise, please contact Membership by email at: [membership@k3dn.org](mailto:membership@k3dn.org).

If you want to have your picture taken to be placed on the 'Members' Photos' section of the [www.k3dn.org](http://www.k3dn.org) website, please contact Membership with your interest. When we get enough people who are interested we will post a notice in Feedback and have a camera ready at the following club meeting.

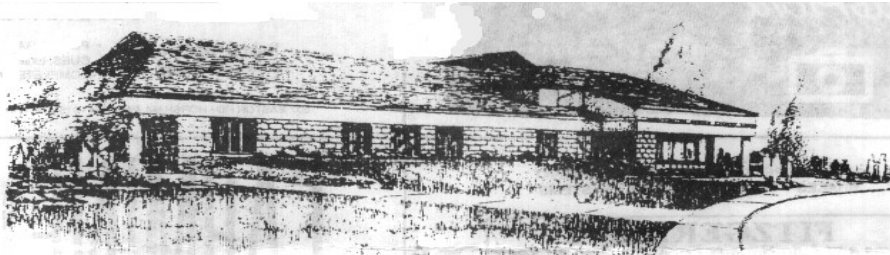
## PROGRAMS 2013

### December - Holiday Dinner

**The Club Station - K3DN - is located at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. The station is open for club members and the interested general public on non-holiday Tuesday evenings from 7 to 9 pm . The station is fully operational on HF (80 meters through 10 meters ) both phone and CW. There is an assortment of amateur radio shareware which may be copied under the shareware licensing agreement.**

**For additional information on the Club Station please call the Station Manager N3HBT - George at 215-443-5656.**

- **WARC Meetings are held the first Thursday of each month at 7:30 pm at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. Talk in is available on the 147.09 & 443.950 repeaters.**



### 2013 - 2014 Contest Calendar

#### DECEMBER

- 6-8 160 Meter Starts 2200 UTC Friday, ends 1600 UTC Sunday  
 14-15 10 Meter Starts 0000 UTC Saturday; runs through 2359 UTC Sunday  
 22 Rookie Roundup CW.

#### JANUARY

- 1 Straight Key Night: 0000 UTC - 2359 UTC
- *RTTY Roundup*: First full weekend of January, but never on January 1, 1800 UTC Saturday through 2359 UTC Sunday.
  - *January VHF Sweepstakes*: The third or fourth weekend in January. See the [current rules](#) for this year's exact date. 1900 UTC Saturday through 0359 UTC Monday.

#### FEBRUARY

- *International DX Contest - CW*: Third full weekend in February, 0000 UTC Saturday through 2359 UTC Sunday.

#### MARCH

- *International DX Contest - Phone*: First full weekend in March, 0000 UTC Saturday through 2359 UTC Sunday.

#### APRIL

- *Rookie Roundup*: Third Sunday, 1800 UTC through 2359 UTC.

### V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must bring two forms of positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC'S 2013 test fee is **\$15.00**.

**Warminster Amateur Radio Club**, Monthly, Last Mon. 7:00 pm at the Wilson Senior Community Center 580 Delmont Avenue Warminster, PA 18974 George Brechmann (215) 443-5656.  
**Atco, NJ**, The fourth (4th) Tuesday of each month, at 7 p.m. Winslow Township Senior Center, 33 Cooper Folly Road, 08004-2603.

Mark (K2AX) jtra@comcast.net  
**Levittown, PA**, Monthly, 3rd Monday at 6:30. Falls Township Building - Ben Johns, K3JQH, 215-657-5994  
**Telford, PA**, Monthly, RF Hill ARC. 3rd Monday at the Indian Valley Library. Charles Schmell, KB3CEZ, 215-257-6368 days 215-538-7458 evenings.

**Philadelphia, PA**, Testing is done on the 4th, non holiday Thursday of the month at the, Community Ambulance Association of Ambler, 1414 E Butler Pike, Ambler PA 19002 at 7:00 PM We also are testing on Saturdays at least once per quarter at 9:00 AM. For further information contact James McCloskey at jmcloskey@msn.com and by phone 215-275-2979.

**Lansdale, PA** Testing on the first non-holiday Tuesday of the month starting at 7:00 PM. The Lansdale Library Community Room Vine St. and Susquehanna Ave. Lansdale, Pa. Registration is required 48 hrs. or more before the scheduled exam date. If there are no registrations the scheduled exam date will be canceled. NO WALK-INS. You can register by contacting:

Olaf N. Markert ----- Phone (610) 517-5074, E-mail w3pa@arrl.net

### ➤ ATLANTIC DIV. HAMFESTS - 2014



#### Jan. 18 - Winterfest

HACC Campus, Cooper Student Union, South Hall 1 HACC Drive  
 Harrisburg, PA 17101  
<http://www.w3uu.org>

#### Jan. 26 - MMARC 2014 Post Holiday Hamfest

Odenton Volunteer Fire Company  
 1425 Annapolis Road  
 Odenton, MD 21113  
<https://sites.google.com/site/marylandmobileers/hamfests-1/hamfest-2>

#### Feb. 15 - Gloucester City ARC Hamfest

Pine Grove Fire Association Fire Hall  
 827-829 Jersey Avenue  
 Gloucester City, NJ 08030  
<http://nj2gc.org>

#### April 5 - Greater Baltimore Hamboree host to The Regional Emergency Preparedness Expo

Maryland State Fairgrounds  
 2200 York Road  
 Timonium, MD  
<http://www.gbhc.org/>

**SKYWARN INFORMATION**

**MOUNT HOLLY NWSFO SKYWARN Weekly Information Net: EVERY THURSDAY AT 21:00 HOURS**  
**SKYWARN Net Repeater Listing/ Streaming Audio of scheduled SKYWARN Net:** <http://www.skywarnnet.net>  
**\*You do NOT have to be a certified SKYWARN Weather Spotter to check into the Net\***

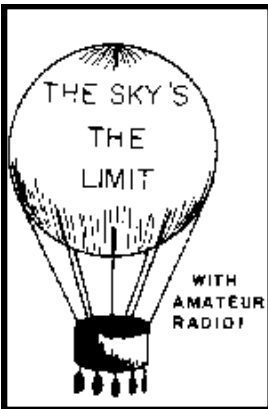
**Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)**  
 Fairless Hills, PA (many remote access locations throughout Bucks County)

**Mount Holly NWSFO SKYWARN Homepage:**  
<http://www.erh.noaa.gov/phi/skywarn/index.html>

**SKYWARN Basic Weather Spotter Educational Programs URL:**  
<http://www.erh.noaa.gov/phi/skywarn/training.html#sched>

➤ **CLUB EQUIPMENT**

WARC has purchased four Vertex Standard 2-meter HT's that are available for use by members of the club. The HT's are available on a month-by-month basis and have been purchased primarily to help new hams get on the air. However, they may also be used by any club member who is in need of a temporary 2-meter radio. They are also available for use by participants in WARC's public service activities.  
 DE, Irwin Darack KD3TB 215-343-8170



*The Warminster Amateur Radio Club  
 Announces Free Ham Radio Instructional Classes*

If you're interested in Ham Radio, or think you might be, this is your opportunity. Perhaps you'd like to learn about digital communications, Morse code, VHF, UHF, satellite, or perhaps you'd rather sit down and chat with someone in South Africa, Russia, Great Britain or in the space station.

For further information contact George Brechmann, N3HBT at 215-443-5656.

**Area Repeaters**

**VHF**

- 145.310 R.F. Hill
- 145.350 Doylestown R.C.
- 146.790 Penn Wireless
- 145.330 Hilltown
- 146.670 DVRA
- 146.685 Holmesburg
- 146.925 Willingboro
- 147.000 Ham Buegers
- 147.030 Phil-Mont
- 147.090 Warminster
- 147.270 Frankford
- 147.300 BEARS
- 147.390 CBRA

**220**

- 224.580 PackRats
- 223.76 K3NAL

**UHF**

- 442.650 DVRA
- 443.250 TAG
- 443.050 Metro-Comm
- 443.950 Warminster
- 444.200 BEARS
- 447.475 WR3B
- 448.225 Penn Wireless

**D-STAR**

- 146.61000 K3PDR DV
- 445.18125 K3PDR DV
- 445.01875 AA3E Montco RACES

**6 Mtr**

- 53.030 WA3BXW
- 53.230 N3DQZ
- 53.320 K3MFI

**Bucks County Amateur Radio Emergency Service (BCARES)**

[www.bucksares.org](http://www.bucksares.org)  
 Bucks County ARES will be on the air Wednesdays, at 9:00 PM . We will be using Warminster Amateur Radio Club's repeater on 147.090, pl 131.8. This net is linked as shown in the Net Schedule box for the Wednesday night net. It may also be linked to 147.300.

Winlink Gateway Stations:

Upper Bucks	NJ3A-10	145.610 Riegelsville
Lower Bucks	NY3J-10	145.530 Bensalem
Montco	W3CF-10	145.950 Hatfield
Chester County	W3EOC-10	145.690

**Net Schedules**

Sunday	2100	10 Meter Net	28.445 MHz
Wednesday	2030	2 Meter Net	147.09 Rptr.
Wednesday	2030	Linked w/ 2 Meter Net	443.95
Rptr. Wednesday	2030	Linked w/ 2 Meter Net	53.230 Rptr.
Sunday	2030	Informal Net	223.5 Simplex
Thursday	1900	Mont. Cnty RACES Net	146.835 Rptr.



**Are you submitting an article for the Feedback ?**

Contributions of articles to be published are always accepted for consideration. Please follow these guidelines:

- E-Mail to:  
**wa4ywm@comcast.net**  
Or via snail mail to:  
**FEEDBACK EDITOR**  
**Warminster Amateur Radio Club**  
Box 113  
Warminster, Pa 18974
- Use both upper and lower case letters.
- Use your program's spell check.
- If you don't have a computer, then typewritten sheets are o.k. but please use both upper and lower case.
- Put your name and call at the beginning or end of the article, and show credits if you are using material from another source.
- Deadline for articles is the Saturday before the regular meeting.

**For general club correspondence:**

**k3dn@k3dn.org**

**Visit our Home Page at:**

**<http://www.k3dn.org>**

The annual dues rate structure is as follows:

<b>Full Member:</b>	<b>\$ 20.00</b>
<b>2nd Family Member:</b>	<b>\$ 10.00</b>
<b>Student:</b>	<b>\$ 10.00</b>
<b>Alumni:</b>	<b>\$ 10.00</b>
<b>Associate:</b>	<b>\$ 5.00</b>

- Are your dues current ?
- Check the date on your Feedback mailing label.

**2013 Officers**

**Executive Officers**

President	Irwin Darack	KD3TB	215-343-8170
Vice-President	Richard Luce	AG3L	215-441-8264
Secretary	Alan Ash	KA3YCG	215-357-9286
Treasurer	Bill Ballantine	K3FMQ	215-766-0764
Director (A)	George Brechmann	N3HBT	215-443-5656
Director (E)	Mark Kempisty	AA3K	215-953-1493
Director (A)	Al Konschak	WI3Z	215-491-9941
Director (A)	Brian Taylor	N3EXA	215-257-6303
Past President	Larry Abbott	WA3ELQ	215-704-3282

**Committee Chairpersons**

Archives			
ARES/RACES Liason	Karl Harris	K3KH	215-264-1855
Arri Liason	Richard Luce	AG3L	215-441-8264
Awards Manager	Vince Pironti	KD3TC	215-674-0446
Classes	George Altemus	KA3WXV	215-855-3856
Digital and APRS	Ron Wenig	NY3J	215-638-9257
DXpedition	Doc Whitticar	W3GAD	215-968-6397
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 13	Mark Kempisty	AA3K	215-953-1493
Fundraising	Adam Huffnagle	KB3JCP	215-442-9526
Hamfest 13	Richard Luce	AG3L	215-441-8264
Hamwear	Alan Berkheiser	KB3VYX	
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Michelle London	KB3MTW	215-672-7578
Membership	Bill Strunk	K3ZMA	215-822-0749
Net Manager	George Brechmann	N3HBT	215-443-5656
PA QSO Party	Mark Kempisty	AA3K	215-953-1493
Publicity	Bernice Kraut	KB3PCX	215-884-8195
Refreshments	Doc Morein	KA3RAU	215-542-0593
Refreshments	Randy Gehman	N3LJE	215-822-9473
RF Interference	Andy Vavra	KD3RF	610-287-3295
RF Interference	Bill Ballantine	K3FMQ	215-766-0764
Repeater Coordinator	Brian Taylor	N3EXA	215-257-6303
Safety Officer	Vinny Porcaro	K3VJP	215-493-0783
Skywarn Liason			
Station Trustee	George Brechmann	N3HBT	215-443-5656
Sunshine Club	Vince Pironti	KD3TC	215-674-0446
Township Liason	Richard Luce	AG3L	215-441-8264
VE License Testing	Larry Abbott	WA3ELQ	215-704-3282
VHF/UHF/MW	George Altemus	KA3WXV	215-855-3856
Website Coordinator	Al Konschak	WI3Z	215-491-9941
Youth Programs	Steve Larson	WW3Y	215-822-1511