



# FEEDBACK



Warminster  
Amateur Radio Club

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

Warminster Amateur Radio Club

November 2016

**Next Meeting November 3rd - Understanding HF Transceiver Data from QST Product Reviews**

## President's Message

As the weather cools, and the Holidays fast approach, we tend to start spending more time indoors, and for hams, that means more time in the shack! By the time Feedback goes to "print" this month, the CQWW SSB contest will have wrapped up, with several WARC members having spent the weekend activating the rare CQ Zone 2 from Quebec, Canada. KD3TB, KD3RF, K3FMQ and KE3C have undertaken this DXpedition previously, and are doing so again this year. They generate some huge pileups, and always return with great stories; hopefully some fellow WARC members will have been lucky enough to put them in the log this year. High latitudes in late-October? What some hams won't do for attention on the bands...

Our meeting this month (November 3) promises to be well-attended, so plan accordingly. The presentation will be given by Bob Allison WB1GCM, ARRL Product Review Engineer, who is travelling from ARRL HQ in Newington, CT to join us for the evening. Bob is excited to be attending, and we anxiously await his arrival. He plans to discuss QST Product Reviews, what the numbers you see mean and how they measure them, how the ARRL Lab works, and answer our questions once he's finished. I hope you're all as eager as I am to hear him!

Our annual Holiday Dinner will be held in place of our December meeting, on Thursday, December 1. The dinner begins at 6:30pm (an hour earlier than our regular meeting time), and the price is \$13.00 for adults, \$7.00 for children 12+under. Be sure to get your admission paid in advance, as this helps the planners to get an accurate number to the caterer. Aside from presenting the Outstanding Ham of the Year Award, no other club business takes place – this is a social evening. As always, attendance is limited to WARC members in good standing, and their families. Hope to see you all there!

de Tony, W3FLH  
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## **Meeting Minutes WARC General Membership Meeting, October 6, 2016**

### Attendance

Call to Order – *Tony W3FLH*  
Introductions – Pass the mic

### Minutes from last Membership Meeting

Approved with no additions, corrections or revisions

### Committee Reports

#### **Treasurer's Report:** *Bill K3FMQ*

As reported at the meeting

#### **Programs:** *Vinny K3VJP*

November – Bob Allison, WB1GCM, ARRL Product Review Engineer, QST Product Review Data

December – Holiday Dinner

January – Q&A, Stump the Chumps

#### **Membership:** *George KC3ESH*

New Member Applications – 3 new applications

Membership Update – total 148

(Continued on page 2)

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**Public Service:** *George N3HBT*

Columbus Day golf outing. Start at 8:30am.

Last minute request from Warminster Township for help with the Craven Hall 5K Run. Start time 9:00am to 12:00pm. Start and stop at the Gazebo, George KC3ESH will be net control and has a signup sheet asking for volunteers.

Covered Bridge Bike Run on 10/23 – Drex W3ICC still needs help with the run. Please see him if you are interested. He has a signup sheet.

BSA Scoutfest this Saturday, October 8, need 1 or 2 more people to help out the scouts in Lambertville area to get them on the air. Talk to Tony W3FLH if interested.

**Classes:** *George KA3WXV/Ron WB2OOB*

Ongoing classes for both general and tech. Ron has been successful in getting several people to tech licenses, who have in turn joined the club.

**VEC Testing:** *Larry WA3ELQ*

4 candidates, all successful. 1 candidate was successful with both tech and general

Next session will be Monday, October 31

**Repeater:** *Brian N3EXA*

Repeater is working. Time clock module off needs to be adjusted and a few other modules need some updating.

**Good and Welfare:** *Vince KD3TC – not in attendance.*

**Other Committees** – *nothing to report.*

**Old Business**

W3IY OHOTY Nominations (Tony W3FLH) – We have received 5 nominations, of 4 individuals. The board will be reviewing the nominations and making a decision. Award will be presented at the December meeting.

Kit Building - Tony W3FLH – Went well, 6 builders with 6 to 7 Elmers helping out. Kathy KC3FBY talked about the good experience and hoping to do another soon. The club has decided to do it again next year.

**New Business**

Doc RAU wants to set up a special event station at the Union Center in November. Since there isn't much time to get it organized, we will look at doing this event in the spring date, possibly June 2017. Stay tuned for more details.

New Member Focus Group (Irwin KD3TB) – invite 10-20 of our newest members to dinner prior to the regular membership meeting to see why they joined and find out what their needs are to help retain our new members.

The Senior Center has asked for a donation of up to \$650 to help pay for new patio furniture for the new patio that the Boy Scouts built as an Eagle Scout project. Motion was unanimously approved by the general membership to give the Senior Center the donation.

Holiday Dinner (George N3HBT) – Thursday, December 1 at 6:30pm, an hour earlier than our normal time. The cost will be \$13.00 per person, under 12 will be \$7. Paypal will be set up to take payments. Menu will be the same as last year.

Motion to Adjourn at 8:10pm

*Presentation: Using FCC/ULS database & QRZ.com*

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**THANK YOU NOTE FROM THE CENTRAL BUCKS BICYCLE CLUB FOR HELP ON THE  
COVERED BRIDGE RIDE**

On behalf of the members of the Central Bucks Bicycle Club I wish to express our sincerest thanks to you and every HAM radio operator who participated in our 2016 Covered Bridges Ride. The success of this ride was due in no small part to each HAM radio operator's hard work and dedication to achieving the crucial uninterrupted, immediate communications with our communication center and SAG vehicles. Once again the HAM radio communication system functioned impeccably. We look forward to our continued collaboration with you and the other HAM radio operators in future Covered Bridges Rides. Again, our sincerest thanks.

Joe

.Joseph F. Majdan, MD, FACP

Associate Professor of Medicine

Director of Professional Development

Sidney Kimmel Medical College at Thomas Jefferson University

**THANK YOU NOTE FROM THE COMMUNICATIONS TEAM FOR THE MS150**

Greetings All:

I am honored once again to say that I was part of the HAM community that successfully took on the 2016 Ride MS – City to Shore.

I realize that this notice is going out very late, but please keep in mind that your dedication to HAM Radio, Public Service, and MS Society never goes un-noticed.

Your professionalism and dedication showed that we are a force to be recognized, and that the Riders can always depend on us to ensure a safe route.

We hope that you enjoyed yourselves, and hope that you will pass on to your fellow communicators that did not volunteer, that we can use all the help we can get in future years. We did have our best year, beating last year by 3. We had 105 HAMS and 28 non-hams involved this year. While we did an excellent job, we do need to build that HAM number up to 125.

On behalf of the Society, and our team, THANK YOU for all your help, and we look forward to working with all of you again next year. Please remember to contact us with any questions, comment, concerns, and criticisms. We can not do this without you, and we cannot grow and get better without your thoughts.

With Much Appreciation

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Communications Operations Team

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580 Delmont Avenue, Warminster PA 18974  
215-672-8380 (P) – 215-672-4501 (F)  
[www.bwsac.org](http://www.bwsac.org)

Mr. George Brechmann  
Warminster Area Radio Club  
580 Delmont Avenue  
Warminster, PA 18976

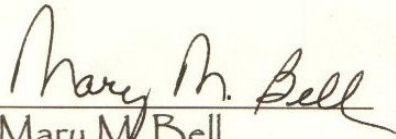
Dear George,

The Executive Board and general membership of the Ben Wilson Senior Activity Center thank you for your generous donation of \$607.95 to cover the cost of the new furniture for our new patio. Your generosity and thoughtfulness is always appreciated.

Please come and enjoy our new patio.

Sincerely,

BEN WILSON SENIOR ACTIVITY CENTER

  
Mary M. Bell  
Corresponding Secretary

## THE K7RA SOLAR UPDATE

Tad Cook, K7RA, Seattle, reports: We saw a decline in solar activity over the October 20-26 reporting week, as compared to the previous week. Average daily sunspot numbers were 18.7, down from 31 in the previous 7 days. Average daily solar flux dipped from 83.4 to 76.9 over the same two periods.

Geomagnetic indicators <<http://services.swpc.noaa.gov/text/daily-geomagnetic-indices.txt>> were up slightly, with average daily planetary A index edging up from 19.1 to 20.3, and the average daily mid-latitude A index moving from 14 to 16.7. One caveat: The mid-latitude A index values for October 22-24 are my estimates. Note the values in the left column for the mid-latitude A index: It appears that for more than 60 hours, a problem occurred in gathering geomagnetic data from Virginia. A -1 indicates missing data.

The forecast from October 26 predicts solar flux at 78, 77, and 76 on October 27-29, 78, 80, 85, and 90 on October 30-November 2; 80 on November 3-6; 78 on November 7-10; 75 on November 11-12; 73 on November 13-16; 75 on November 17-19; 76, 74, and 73 on November 20-22; 71, 70, 71, and 77 on November 23-26; 80 on November 27-December 3, and 78 on December 4-7.

Predicted planetary A index is 30, 24, 18, and 16 on October 27-30; 14, 12, and 8 on October 31-November 2; 5 on November 3-5; 8 on November 6; 5 on November 7-10; 10, 15, 18, 10, and 8 on November 11-15; 5 on November 16-18; 10, 32, 44, 40, and 22 on November 19-23, 18 on November 24-25, then 14, 20 and 12 on November 26-28, 5 on November 29-December 2; 10 on November 3, and 5 on November 4-7.

Sunspot numbers for October 20 through 26 were 16, 29, 27, 14, 13, 17, and 15, with a mean of 18.7. The 10.7 centimeter flux was 74.7, 77.8, 77.5, 76.9, 75.3, 77.8, and 78, with a mean of 76.9. Estimated planetary A indices were 3, 2, 6, 9, 16, 60, and 46, with a mean of 20.3. Estimated mid-latitude A indices were 5, 2, 5, 18, 17, 39, and 31, with a mean of 16.7.

Send <k7ra@arrl.net> me your reports and observations.

*Courtesy of the ARRL Newsletter*

## BROADCASTERS, JAMMERS WREAK HAVOC ON AMATEUR RADIO FREQUENCIES

The battle continues between Radio Eritrea (Voice of the Broad Masses) and Radio Ethiopia, which is said to be jamming the Eritrean broadcaster with broadband white noise. The problem for radio amateurs is that the battle is taking place in the 40-meter phone band -- 7.145 and 7.175 MHz -- with the jamming signal reported <<http://www.iarums-r1.org/iarums/latest.pdf>> by the IARU Region 1 Monitoring System (IARUMS) to be 20 kHz wide on each channel.

The on-air conflict has been going on for years; Ethiopia constructed new transmitting sites in 2008 and is said to use two or three of them for jamming purposes. The interfering signals can be heard in North America after dark. According to IARUMS Region 1 Coordinator Wolf Hadel, DK2OM, Radio Eritrea is airing separate programs on each frequency. He said in the IARUMS September newsletter that telecommunications regulators in Germany, Austria, and Switzerland have been informed, so they could file official complaints.

Other AM broadcast intruders on 40 meters include Radio Hargeisa in Somaliland on 7.120 MHz, which, Hadel said, is even audible in Australia and Japan. He further reports that the Voice of Iran's signal on 7.205 MHz is splattering up to 5 kHz on either side of its channel, while Radio France International, which operates on the same frequency, is splattering down to 7.185 MHz. Read more <<http://www.arrl.org/news/broadcasters-jammers-wreak-havoc-on-amateur-radio-frequencies>>.

*Courtesy of the ARRL Newsletter*

## SUSPICIOUS BANGLADESH BORDER HAM BAND SIGNALS NOW OF INTEREST TO INDIAN INTELLIGENCE

What have been called "highly suspicious" VHF transmissions along the Bengal-Bangladesh border now are being considered signals of interest to India's Intelligence Bureau. After several days of monitoring, Ambarish Nag "Raju" Biswas, VU2JFA, told <http://indianexpress.com/article/india/india-news-india/india-bangladesh-border-suspicious-signals-spark-fear-of-extremists-ham-radio-ops-now-24x7-3098102/> The Indian Express that he and his team have determined that the transmissions, taking place on Amateur Radio frequencies, are coming from the area of Basirhat in West Bengal. The voice communications have been heard at night. Federal Ministry of Communication officials in India had asked Biswas, the secretary of the West Bengal Amateur Radio Club <<http://wbradioclub.in/>>, and his fellow hams to keep an ear on the strange VHF signals.

Biswas told The Indian Express that he'd found the recent signals suspicious because he'd heard similar communications in 2002 and 2003. Subsequently, police arrested six "extremists," from Gangasagar, an island in the Ganges River delta, he told the paper. An earlier article <http://www.hindustantimes.com/kolkata/terror-chatter-ham-users-track-unauthorised-radio-communications-on-bengal-bangla-borders/story-7r9cy5NnvJhLpmHxygAn6N.html> in the Hindustan Times reported that the signals were being heard in the dead of night, with participants said to be in motion and speaking in some sort of code in Bengali and Urdu with a Bangladeshi accent. They also used numerical codes, according to the report.

Indian Intelligence Bureau officials did not rule out the possibility that terror organizations were behind the signals. "The border of India-Bangladesh near West Bengal is porous," a senior Intelligence Bureau official told The Indian Express. "Smugglers and extremists try to exploit it fully."

*Courtesy of the ARRL Newsletter*

## Amateur Radio Keeps "Phantom" in Touch with the Outside World from the Skull Cave

The venerable comic strip "[The Phantom](#)," originally inked by Lee Falk starting in the 1930s, has recently resurrected Amateur Radio as a plot device. "The Ghost Who Walks" has resorted to ham radio in the past, dating to the early days of the strip, when the Phantom needed to get a vital message through — on one occasion using a phone patch.

In the current story thread, the Phantom goes into a rather retro-looking ham shack in the ancient Skull Cave, the jungle hideaway he shares with his wife, Diana Palmer. They're now empty nesters, and the Phantom wants to assuage his wife's fears that their now college-age son, Kit, indeed has arrived at his monastic school in an unspecified Himalayan country (a daughter, Heloise, is away at college in the US).

His son's teacher breaks away from tutoring Kit to quietly keep an on-the-air schedule with the Phantom, in order to let him know that the young man got there safely. Their conversation in Morse code is displayed, in a fashion, across the panels of the strip. Only some of it actually seems to make sense.

"Darling, Morse code!? Isn't that obsolete?" asks Mrs. Phantom, as the masked crime fighter sits at a hand key (with no apparent lead wires running from it) in front of what looks like a National NC-300-series receiver and assorted other boat anchors.

"Not at all," the Phantom replies. "And certainly not in the Himalayas."

Apparently not in the fictional African country of Bangalla either, which the Phantom Family calls home. A past strip once showed the Phantom setting up a microwave dish with a handheld connected to a solar panel.

Appearing in more than 500 newspapers around the world, "The Phantom" now is penned by Mike Manley, written by Tony De-Paul, and distributed by King Features.

*Courtesy of the ARRL News*

## 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 and are approved by the Board. 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. Pictures for the club badge will be taken before club meetings on even numbered months. 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 2016 - 2017

**November** - Understanding HF Transceiver Data from QST Product Reviews, What do these values mean? - Bob Allison ARRL

**December** - Holiday Dinner

**January** - Q&A / Stump the Chumps

**February** - Club Auction

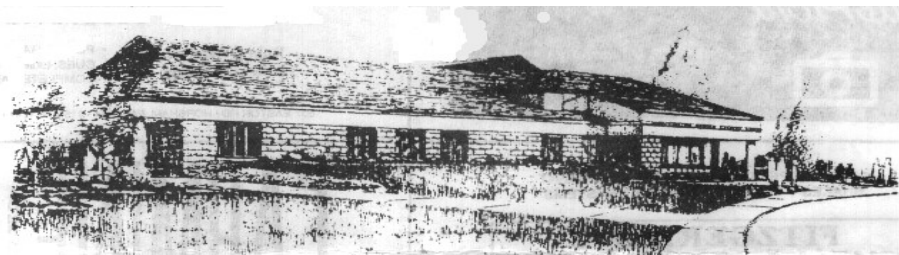
**March** - QSL card Presentation Tom Mills AF4NC

**April** - Hamfest

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.





## 2016 Contest Calendar

### NOVEMBER

#### ARRL November Sweepstakes

**CW** - November 5-7

**Phone** - November 19-21

Begins 2100 UTC Saturday and runs through 0259 UTC Monday

### DECEMBER

**160 Meter CW** - December 2-4

Starts 2200 UTC Friday, ends 1600 UTC Sunday

**10 Meter** - December 10-11

Starts 0000 UTC Saturday; runs through 2359 UTC Sunday

**Rookie Roundup CW** - December 18

1800 UTC through 2359 UTC

### QSO PARTIES

**Kentucky** 1400Z, Nov 12 to 0200Z, Nov 13

## 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 2016 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**, RF Hill ARC. Indian Valley Library. Held the third Monday of odd months (January, March, May, July, September, November)  
Contact: Jim Soete 215-723-7294  
[wa3ylq@arrl.net](mailto:wa3ylq@arrl.net).

**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 [jmccloskey@msn.com](mailto:jmccloskey@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](mailto:w3pa@arrl.net)

## ➤ ATLANTIC DIV. HAMFESTS ➤ 2016 - 2017

**December 10** - SantaFest

American Legion Youth Camp

9201 Surratts Road

Cheltenham, MD 20623

**January 29** - MMARC Post Holiday HamfestMMARC Post Holiday Hamfest

Odenton Volunteer Fire Company

1425 Annapolis Road

Odenton, MD 21113

<https://sites.google.com/site/marylandmobileers/hamfests-1/hamfest-2>

<https://sites.google.com/site/marylandmobileers/hamfests-1/hamfest-2>

**April 22** - Delaware State Convention (Delmarva Amateur Radio and Electronics EXPO)

Cheer Center

20520 Sand Hill Road

Georgetown, DE 19947

<http://www.radioelectronicsexpo.com>



### 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>

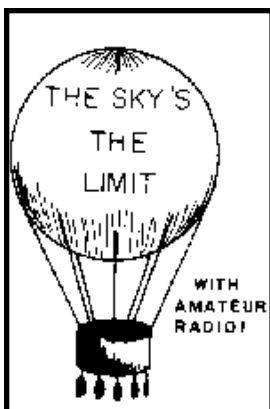
**SKYWARN Basic Weather Spotter Educational Programs URL:**

<http://www.erh.noaa.gov/phi/skywarn/training.html#sched>

### ➤ CLUB EQUIPMENT

WARC has 2 Baofeng UV-5R dual band HT's and a Yaesu FT-2900 2M mobile that are available for use by members of the club. The radios 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, Vinny Porcaro K3VJP  
215-493-0783



### *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.

### **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:

Lower Bucks NY3J-10

145.530 Bensalem

### Net Schedules

Sunday	2100	10 Meter Net	28.445 MHz
Wednesday	2000	2 Meter Net	147.09 Rptr.
Wednesday	2000	Linked w/ 2 Meter Net	443.95
Rptr. Wednesday	2000	Linked w/ 2 Meter Net	53.230 Rptr.
Sunday	2030	Informal Net	223.5 Simplex
Thursday	1900	Mont. Cnty RACES Net	146.835 Rptr.

### 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 Buergers  
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  
444.759 RF Hill Analog/  
Fusion

#### 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

### 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:**

**Full Member:           \$ 20.00**  
**2nd FamilyMember: \$ 10.00**  
**Student:               \$ 10.00**  
**Alumni:                 \$ 10.00**

- Are your dues current ?

## 2016 Officers

### Executive Officers

President	Tony Cuttone	W3FLH	267-679-9297
Vice-President	Vinny Porcaro	K3VJP	215-493-0783
Secretary	Kathy Acker	KC3FBY	215-815-7978
Treasurer	Bill Ballantine	K3FMQ	215-766-0764
Director (A)	Michael Shanblatt	W3MAS	267-491-5773
Director (E)	Larry Abbott	WA3ELQ	215-704-3282
Director (A)	Jim Elmore	WA4YWM	215-538-1889
Director (E)	George Brechmann	N3HBT	215-443-5656
Past President	Irwin Darack	KD3TB	215-343-8170

### Committee Chairpersons

ARES/RACES Liason	Karl Harris	K3KH	215-264-1855
Arrl 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
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 17	Doc Whitticar	W3GAD	215-968-6397
Hamfest 17	Mike Karabin	WJ3O	215-317-4029
Hamwear	Kathy Acker	KC3FBY	215-815-7978
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	George Acker	KC3ESH	215-815-7783
Net Manager	George Brechmann	N3HBT	215-443-5656
Publicity	Bernice Kraut	KB3PCX	215-884-8195
Refreshments	Brandon Penglase	KC3DYT	215-259-7255
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
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