



# FEEDBACK



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

Warminster Amateur Radio Club

October 2018

**Next Meeting October 4th - 'Force of 50' volunteer Phil Weber KH2EI**

## President's Message

Over the past couple of weeks there has been a great discussion going on the WARC Page about how to expand the knowledge of new hams and how to keep them interested in the hobby. It was even discussed on the Wednesday Night Net. The thought is that in this day of internet test sites and one day "ham cram" sessions that some of the newcomers are just memorizing the answers and not truly understanding what they need to totally enjoy the hobby or do not have the knowledge to improve their advancement of the hobby. If newcomers are not exposed to different aspects of the hobby, they can become bored with it and just drop out. How to keep them involved and interested is the goal. I think as a club we are doing a great job at this, but we can always do better. Some great ideas were presented during this discussion, like instituting an Elmering program and a continuing education program so people can learn more about amateur radio. Anyone who comes for testing at the WARC VE sessions is given information about our club and is invited to club meetings, so they can see how involved the hobby and our members can be. These topics and ideas will be discussed at future board meetings. I would love to know your thoughts, please email me at [KC3ESH@arrl.net](mailto:KC3ESH@arrl.net).

For those who are thinking about trying their hand at contesting, October brings with it some interesting contests. California, Arizona, South Dakota, New York, Illinois, Nevada all hold QSO parties along with the PA QSO party being held October 13 & 14. October 15th thru the 19th host the fall school round up. These contests offer a great way to get on the air and make contacts. And don't forget about the special events happening during the month. Check out [arrl.org](http://arrl.org) for a full list of these.

This month's program will be interesting. Phil Weber, KH3EI was part of the task force that went to Puerto Rico to help with communications after Hurricane Maria. He will be presenting on his experiences there. Be sure to come out and bring a friend and hear what will be an interesting talk.

73 George, KC3ESH  
[KC3ESH@arrl.net](mailto:KC3ESH@arrl.net)

## **FOR SALE**

2009 Chrysler Town and Country mini van with 2 meter/ 440 meter mobile radio and antenna installed. 18,450 miles. \$10,500 with radio and antenna or \$10,000 without the radio and antenna.

Contact George N3HBT at 215-443-5656  
or [n3hbt@arrl.net](mailto:n3hbt@arrl.net).

WELZ TP05 Power Meter  
Yaesu FT 60  
FNB-83 Battery Packs (2)  
G3 Globe Traveler Radio  
YAE VX-170 Transceiver  
3 ft Cable with Connectors  
SD-239 Connectors  
Travel Alarm Clock

Don (Byron) Rector W3UBF  
Apt 2102  
84 Dernstine Rd  
Hatfield, PA 19440  
215-723-1421  
[donaldrector14@yahoo.com](mailto:donaldrector14@yahoo.com)

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## **Minutes WARC General Meeting September 6th, 2018**

### **Attendance:**

Call to Order Jacek KC3HXF  
Introductions - pass mic

### **Minutes from last Meeting**

Additions/Corrections – A motion was made, and minutes were approved as published

### **Committee Reports**

Treasurer's Report: Herb KB3VMN  
As reported at the meeting

### **Programs: Jacek KC3HXF**

October – 'Force of 50' volunteer Phil Weber KH2EI  
November – ARRL Night – George Miller EPA Section Manager  
December – Holiday Dinner  
Jacek is working on programs for 2019 and is looking for suggestions

### **Membership: Norm AB3ZZ**

129 members with 1 application pending

### **Public Service: George N3HBT**

Hole in One Golf Outing at Five Ponds on Columbus Day, Monday, October 8 with an 8:30am start with hot buffet after the event, will need about 8 HAM operators for the event. There is a signup sheet on the table.

Still need to get information regarding the Craven Hall run which is held in the Warminster Community Park at the end of October.

Covered Bridge Run (Doc W3GAD) – Doc has the assignments. If you are still interested in helping, contact WI3ICC or go to the website to sign up.

MS150 last weekend in September. Still need some volunteers for the event. Go to the website to register.

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

Next classes will start this coming Monday, the second Monday in September, for Tech for 6 weeks and General for 8 weeks.

Ron WB2OOB is working on a date for IS100 and IS700 classes on a Saturday. You will need to bring your laptop so that you can log into FEMA's website and take the test online.

### **VEC Testing: Larry WA3ELQ (not in attendance)**

No testing in August  
Next test session will be Monday evening, September 24 at 7:00pm

### **Repeater: Brian N3EXA**

Everything is working  
Brian has cards on the refreshments table with all the repeater and club information

### **Good and Welfare: Vince KD3TC**

Please email Vince if you know if someone needs a card

### **Other Committees**

Jacek handed out the CPR AED certification cards to those who participated in the training back in June.

### **Old Business**

### **Silent Auction Results: Andy KD3RF**

Auction ended on August 31. It was a successful auction with albeit 2 items sold. The club netted \$700. Bill and Andy  
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will hand off the equipment after payment has been made at the break of the meeting.

**Holiday Dinner Kathy KC3FBY**

Menu and pricing will be decided at the next board meeting. After that the PayPal link will be activated on the website. The dinner will begin at 6:30pm on Thursday, December 6.

**OHOTH Award Nomination: George KC3ESH**

Nominations need to be in by October 25. Please email George at [kc3esh@arrl.net](mailto:kc3esh@arrl.net) if you would like to nominate someone. The award will be presented at our Holiday Dinner on December 6.

**Hamfest: Michael W3MAS**

This will be Michael's 3rd year as chairman. Michael is looking for a co-chair to follow him for the 2019 Hamfest and then take over as chair for the 2020 Hamfest. Michael will co-chair the 2020 Hamfest with this person to make a smooth transition possible.

**Groups.io Migration: Brandon N3UO (not in attendance)**

Will table until next month when Brandon returns

**New Business**

**JOTA: Norm AB3ZZ**

October 20 weekend, no one is signed up for it so at this point we will wait to see if there is any interest.

**Union League Special Event 2019**

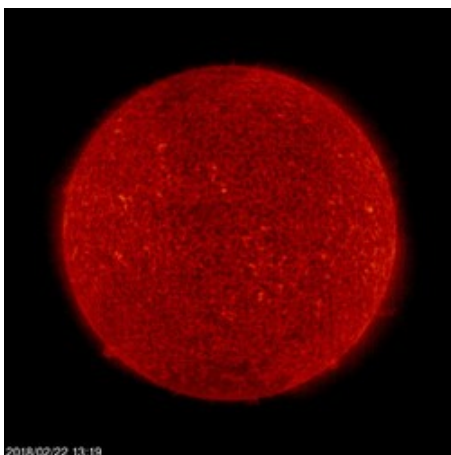
Doc RAU approached the club regarding a special event station at the Union League in 2019. We would like to know if there is someone who would be willing to head up and chair the event. Doc would like to know what holiday or event we would like to celebrate.

**Motion to Adjourn**

Motion made and approved to adjourn meeting at 8:01pm

**Presentation: Home Brew Projects**

### **The K7RA Solar Update**



2018/02/22 13:19

Tad Cook, K7RA, Seattle, reports: The sun has continued spotless over the past week, and as of September 26, it's been 2 weeks with no sunspots. The average daily solar flux declined from 68.6 to 67.9. The average planetary A index increased from 9.7 to 10.9, while the average mid-latitude A index declined from 8.3 to 7.9.

Predicted solar flux is 68 on September 27 - October 2; 70 on October 3 - 10; 68 on October 11 - 28; 70 on October 29 - November 6, and 68 on November 7 - 10.

Predicted planetary A index is 5 on September 27 - 30; 8 and 12 on October 1 - 2; 5 on October 3 - 6; 20, 35, and 10 on October 7 - 9; 18, 15, and 8 on October 10 - 12; 5, 10, and 8 on October 13 - 15; 5 on October 16 - 17; 10 and 25 on October 18 - 19; 15 on October 20 - 21; 10 and 8 on October 22 - 23; 5 on October 24 - 27; 10 and 12 on October 28 - 29; 5 on October 30 - November 2; 20, 35, 10, and 18 on November 3 - 6, and 15, 8, 5, and 10 on November 7 - 10.

Sunspot numbers for September 20 - 26 were 0, 0, 0, 0, 0, 0, and 0, with a mean of 0. The 10.7-centimeter flux was 66.6, 66.9, 67.9, 68.4, 68.6, 67.6, and 69, with a mean of 67.9. Estimated planetary A indices were 2, 9, 27, 12, 7, 11, and 8, with a mean of 10.9. Estimated mid-latitude A indices were 2, 6, 20, 9, 5, 7, and 6, with a mean of 7.9.

*Courtesy of the ARRL Newsletter*

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### New Beta Version *WSJT-X* 2.0 Boasts Major Changes

As [promised](#), the *WSJT-X* Development Group has announced a new "candidate release," *WSJT-X 2.0 rc1*. This beta version of the popular digital mode suite incorporates many new FT8 and MSK144 features that will be of particular interest to the Amateur Radio contesting community. It includes all FT8 DXpedition Mode changes already developed in *WSJT-X* 1.9.1.

"Enhancements to the FT8 decoder ensure that in most situations decoding sensitivity is slightly better than for the old protocol. Symbol rates and occupied bandwidths are the same as before, and false-decode rates are significantly lower," the user notes explain. "The decoding threshold for MSK144 is a fraction of a decibel higher than before, owing to the slightly larger message payload and higher code rate." *WSJT-X 2.0* introduces no significant changes to the JT4, JT9, JT65, QRA64, ISCAT, Echo, or FreqCal protocols.

The new features are [summarized](#) on the *WSJT-X* website and in the [Quick-Start Guide to \*WSJT-X 2.0\*](#). Contest-related changes include:

Support for standard ARRL Field Day exchanges, such as 6A SNJ.

Better support for North American VHF contests, with improved handling of grids and /r rover call sign designators.

Six-character locators and call sign suffix support for portable operators, focused on EU VHF contesting.

Support for standard contest exchanges in the ARRL RTTY Roundup, such as 579 MA or 559 0071.

Support for call signs of up to 11 alphanumeric characters, to accommodate non-standard and compound call signs.

Support for new exchanges should expand the ability of contesters to use FT8 and other *WSJT-X* protocols during contests that allow digital contacts and where the exchange is a traditional signal report and state/province/country.

According to the release notes, *WSJT-X 2.0* also offers "significantly better sensitivity" (about 1 dB) for the *WSPR* decoder. In addition, color highlighting of decoded messages provides worked-before status for call signs, grid locators, and DXCC entities on a by-band basis. Color highlighting can also identify stations that have -- or have not -- uploaded their logs to "Logbook of The World" (LoTW) within the past year.

Those participating in *WSJT-X* beta tests are expected to [report](#) their experiences to the developers and upgrade to the general availability release when it becomes available. [Visit](#) the *WSJT-X* web page for more information.

*Courtesy of the ARRL Newsletter*



### Amateur Radio Volunteers Still Dealing with Florence's Aftermath

Conventional telecommunications are starting to return to normal in some communities affected by Hurricane Florence, but the now long-gone storm set up others for persistent and record-breaking flooding, primarily in eastern North Carolina and along several of the state's rivers. The storm, which made landfall near Wilmington, North Carolina, primarily affected the Carolinas, Georgia, and Virginia.

"Things are back to normal communication status, and demobilization is occurring for folks deployed," South Carolina Section Emergency Coordinator Billy Irwin, K9OH, said on September 19. At mid-week, the FCC reported that nearly all cellular service had been restored in South Carolina.

Over the weekend, ARES volunteers from several South Carolina counties had pitched in to support emergency communication in the face of power and telecommunication outages and heavy rainfall. ARES Richland County Emergency Coordinator Ronnie



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Livingston, W4RWL, said volunteers in his county staffed the county Emergency Operations Center (EOC) and Red Cross. operators at the State Emergency Operations Center (SEOC) kept in contact with field volunteers in Marion and Dillon counties after conventional telecommunications failed there.

ARES District Emergency Coordinator EMEA Area 3 Earl Dean, W4ESD, said ARES deployed assets as well as personnel who coordinated with the appropriate agencies. Horry County ARES and ARRL South Carolina Section Public Information Officer (PIO) Gordon Mooneyhan, W4EGM, said radio amateurs set up and organized communication networks to assist local government and emergency agencies, as well as to handle health-and-welfare traffic for affected residents, to let their family members outside the affected area know they were all right.



In North Carolina, storm surge had caused flooding in many communities. Ham radio volunteers responded in counties along the coast, including Wilmington, Topsail Beach, Jacksonville, and Morehead City, staffing both EOCs and shelters. Farther inland, numerous ARES teams activated in the face of river flooding to address a combination of sheltering needs for local residents and evacuees. Communication throughout the state has been supplemented by neighborhood-based operators, who reported emergencies to county EOCs. The FCC reported on September 19 that nearly one-third of cell service was out in Columbus, Pender, and Onslow counties. The storm also took out several broadcast outlets in the state.

The Salvation Army Team Emergency Network ([SATERN](#)) activated on September 14 and 15. The net's primary mission was the receipt and delivery of outbound health-and-welfare messages from affected areas.

The Hurricane Watch Net ([HWN](#)) shut down its activation for Hurricane Florence after 38 hours, shortly after the storm made landfall. The HWN operated on two frequencies simultaneously -- its "home" 20-meter frequency of 14.325 MHz and its 40-meter frequency of 7.268 MHz.

"While propagation was not good on 20 meters for the period, 40 meters afforded a fairly consistent contact with stations in the area," HWN Assistant Manager Stan Broadway, N8BHL, recounted. Broadway said nearly 200 stations checked in, and the net took in approximately twice that number of reports, funneling important information via WX4NHC at the National Hurricane Center (NHC). "Many were not at severe levels, but all 'ground truth' [reports] assist in plotting the activity of the storm," Broadway explained. WX4NHC monitored the HWN and the Voice over Internet Protocol Hurricane Net ([VolPWX](#)) on EchoLink Conference WX-Talk, node 7203 or IRLP 9219.

While the storm was still out in the Atlantic, ARRL shipped [Ham Aid](#) kits to the affected region -- the same ones that ARRL volunteers took to Puerto Rico a year ago to assist with disaster communications following Hurricane Maria. The ARRL Headquarters Emergency Response team activated on September 12 and remained operational into the weekend. W1AW suspended its scheduled bulletin and code practice transmission on September 14.

*Courtesy of the ARRL Newsletter*

### **Ham Radio to be Represented at 9th Annual World Maker Faire in New York City**

The Garden School, K2GSG, and Hall of Science Amateur Radio clubs (ARC) in New York City will join forces this month to put Amateur Radio on display during the 9th annual [World Maker Faire NYC](#) at the New York Hall of Science in Corona, Queens, September 22 - 23. Last year's World Maker Faire NYC drew some 90,000 attendees. The Garden School's ham radio club advisor and science teacher John Hale, KD2LPM, said participating youngsters will introduce Amateur Radio and help attendees construct small, electronic "Maker Key" Morse code oscillators. The project helped Garden School win a blue ribbon at last year's Maker Faire.

Something new this year: visiting radio amateurs can build a tape-measure Yagi antenna for satellite or terrestrial use. In cooperation with the Hall of Science ARC, amateurs will attempt to make satellite contacts with the antennas as a demonstration, Hale said.

The Hall of Science will host a working HF radio demonstration called "When Disaster Strikes, Amateur Radio is Ready." Radio amateurs will be on hand to operate the radios and encourage those attending the Faire to attempt to make contacts.

Established in 2016, the Garden School ARC is an integral part of the school's curriculum for educating students in STEM (science, technology, engineering, and math) disciplines. The Garden School ARC students are mentored by the co-exhibiting







**Visitors to the 2017 World Maker Faire construct a code practice oscillator kit.**

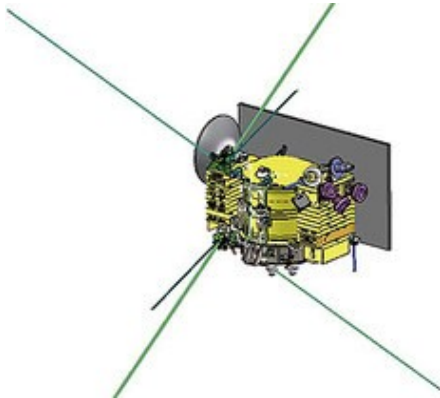
*Courtesy of the ARRL Newsletter*

Hall of Science Amateur Radio Club (WB2JSM/WB2ZZO). Both are ARRL-affiliated clubs.

ARRL Marketing Manager Bob Inderbitzen, NQ1R, believes that Maker Faire events offer excellent opportunities to give greater exposure to Amateur Radio. "Exhibiting at a Maker Faire is a great way for radio club members to share their enthusiasm for ham radio with the public," he said.

Inderbitzen often gives tips to ham radio groups considering a Maker Faire exhibit. "Your exhibit should represent radio communication as innovative, hands-on, and cool," he advised. "Not everyone will want to become a ham, but have radio club, class, and licensing information on hand for Faire attendees who seem especially interested."

## Radio Amateurs Receive Images from Chinese Lunar Satellite



Some earthbound radio amateurs and sky watchers have received images from a tiny Chinese satellite now orbiting the moon. In May, China launched the DSLWP-A and DSLWP-B microsatellites -- also known as *Longjiang-1* and *Longjiang-2* -- into a lunar transfer orbit, although *Longjiang-1* was apparently lost in the process and likely remains in deep Earth orbit. They were deployed as secondary payloads with the *Queqiao* relay satellite as part of the Chang'e 4 mission to the far side of the moon. DSLWP stands for "Discovering the Sky at Longest Wavelengths Pathfinder." The satellite will test low-frequency radio astronomy and space-based interferometry, and while it carries Amateur Radio and educational payloads, no transponder is aboard. The Chang'e 4 mission will be the first-ever attempt at a soft landing on the far side of the moon. The Chang'e-4 lander and rover are scheduled to launch in December. The Harbin Institute of Technology (BY2HIT) developed and built the DSLWP spacecraft and is overseeing that mission. The microsat also carries optical cameras from Saudi Arabia.

An open telecommand protocol allows radio amateurs to take and download images. The spacecraft transmits on 70 centimeters (435.400/436.400 MHz), with 250/500 bps GMSK using 10 kHz wide FM single-channel data, with concatenated codes or JT4G. JT4 uses four-tone FSK, with a keying rate of 4.375 baud; the JT4G sub-mode uses 315 Hz tone spacing and 1,260 Hz total bandwidth.

According to an [article](#) in *GBTimes*, *Longjiang-2* (DSLWP-B) used its own propulsion system to slow down and enter lunar orbit, while the relay satellite "continued past the moon to its special destination." *Longjiang-2* has used a student-developed camera to take images of the moon, Mars, the sun, and other celestial objects. Data and images have been downloaded by hams and satellite-tracking enthusiasts around the world, including the US, [Brazil](#), China, the [Netherlands](#), and [Italy](#).

*Courtesy of the ARRL Newsletter*

**CLUB INFO****PUBLIC SERVICE**

Warminster Parks & Recreation Golf Outing – Monday, October 8, 2018 @ 9:00 am.  
October 20th, Crooked Billet 5K Run and 5K Health Walk at 9:30 am at the Warminster Community Park in Warminster, PA. Hams needed.  
**see George, N3HBT for more info**

**CLUB STATION**

The WARC club station is open to anyone with an interest, on the first Thursday of the month (meeting night) between the hours of 6:30 and 7:30 pm. with the exception of the December dinner meeting 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**

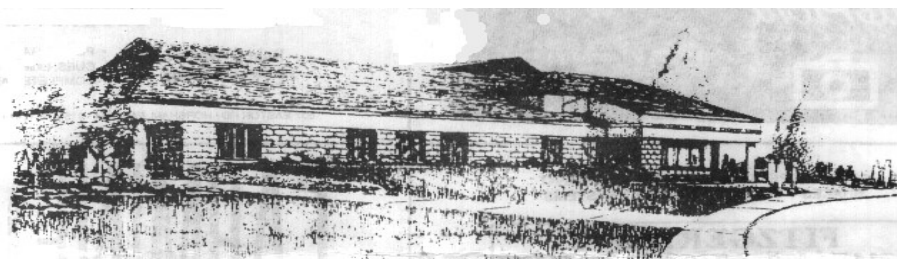
The Membership Committee can provide Club badges. Two types are available: an engraved plastic callsign and name badge for \$8 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership. Pictures for the club badge will be taken before club meetings on even 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 2018**

October – 'Force of 50' volunteer Phil Weber KH2EI  
November – ARRL Night  
December – Holiday Party

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 the first Thursday of the month (meeting night) between the hours of 6:30 and 7:30 pm. with the exception of the December dinner meeting . 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.

### 2018 Contest Calendar

#### October

**15-19** [School Club Roundup](#) 1300 UTC Monday through 2359 UTC Friday.

**27-28** [EME - 50 to 1296 MHz](#) 0000 UTC on Saturday through 2359 UTC Sunday)

#### November

**3-5** [Nov. Sweepstakes – CW](#) 2100 UTC Sat. through 0259 UTC Monday.

**17-19** [Nov. Sweepstakes – Phone](#) 2100 UTC Sat. through 0259 UTC Monday.

**24-25** [EME - 50 to 1296 MHz](#) 0000 UTC on Sat. through 2359 UTC Sunday

**30-12/2** [160 Meter](#) 2200 UTC Friday, ends 1600 UTC Sunday

#### QSO Parties

California 1600Z, Oct 6 to 2200Z, Oct 7

Nevada 0300Z, Oct 13 to 2100Z, Oct 14

Arizona 1600Z, Oct 13 to 0600Z, Oct 14 and 1400Z to 2400Z, Oct 14

**Pennsylvania 1600Z, Oct 13 to 0500Z, Oct 14 and 1300Z-2200Z, Oct 14**

South Dakota 1800Z, Oct 13 to 1800Z, Oct 14

New York 1400Z, Oct 20 to 0200Z, Oct 21

Illinois 1700Z, Oct 21 to 0100Z, Oct 22

### 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 2018 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 fourth non-holiday Thursday 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)  
Alt Contact: Jim, 610-287-5630

### ➤ ATLANTIC DIV. HAMFESTS ➤ 2018

#### October 6 - [6th Annual TailgateFest](#)

Hollywood Volunteer Fire Dept. Bingo Hall  
24801 Three Notch Road (MD Route 235)  
Hollywood, MD 20636  
<http://www.k3hki.org/>

#### October 7 - [CARAFest](#)

County Fairgrounds  
2210 Fairgrounds Road  
West Friendship, MD 21794  
<http://www.carafest.org>

#### October 28 - [Mason Dixon Hamfest](#)

Sportsman's Hall Roller Skating Center  
15500 Hanover Pike  
Upperco, MD 21155  
<https://k3pzn.net/>

#### October 21 - [RF Hill ARC Hamfest](#)

Sellersville Firehouse  
50 North Main Street  
Sellersville, PA 18960  
<http://rfhillarc.org>



**SKYWARN INFORMATION****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:**

<https://www.weather.gov/phi/Info>

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

<https://www.weather.gov/phi/classes>

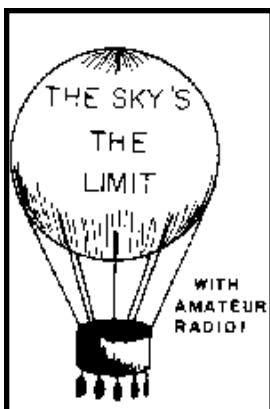
**➤ CLUB EQUIPMENT**

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, Jacek Ostrowski KC3HXF



*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.

Fall session will be Tech and General beginning the second Monday in September from 7:00pm-9:00pm

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	2000	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 ?

## 2018 Officers

### Executive Officers

President	George Acker	KC3ESH	215-815-7783
Vice-President	Jacek Ostrowski	KC3HXF	215-343-1899
Secretary	Kathy Acker	KC3FBY	215-815-7978
Treasurer	Herb Hickmott	KB3VMN	267-718-3601
Director (A)	Michael Shanblatt	W3MAS	267-491-5773
Director (E)	Larry Abbott	WA3ELQ	215-704-3282
Director (A)	Brandon Penglase	N3UO	215-259-7255
Director (E)	George Brechmann	N3HBT	215-443-5656
Past President	Tony Cuttone	W3FLH	267-679-9297

### Committee Chairpersons

ARES/RACES Liason	Karl Harris	K3KH	215-264-1855
ARRL Liason	Irwin Darack	KD3TB	215-343-8170
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 18	Doc Whitticar	W3GAD	215-968-6397
Hamfest 18	Michael Shanblatt	W3MAS	267-491-5773
Hamwear	Kathy Acker	KC3FBY	215-815-7978
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Norm Miles	AB3ZZ	
Net Manager	George Brechmann	N3HBT	215-443-5656
Publicity	Bernice Kraut	KB3PCX	215-884-8195
Refreshments	Brandon Penglase	N3UO	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	Mike Malone	W3MJM	
Station Trustee	George Brechmann	N3HBT	215-443-5656
Sunshine Club	Vince Pironti	KD3TC	215-674-0446
Township Liason	George Brechmann	N3HBT	215-443-5656
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