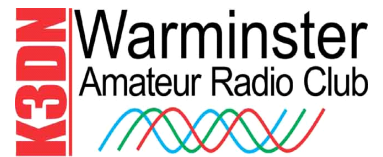




FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

September 2018

Next Meeting September 6th - Home Brew

President's Message

Well, here we go. Labor Day will soon be upon us and with it the end of summer and start of the fall season. Hopefully the weather will be an improvement over the summer we just had. It seemed like it rained almost every weekend. Looking forward to the cooler weather for some outdoor radio operating. There are some public service events upcoming in the calendar, The Warminster Golf Outing at Five Ponds on October 8th and Warrington Township Triathlon on September 9th. See George, N3HBT for information on the golf outing and Scott, KB3ALX for information on the triathlon. With the fair weather comes an opportunity to take care of any antenna maintenance. Checking your support cables, how your dipole is hanging and being sure you feed lines are secure are a couple things to check. A little preventive maintenance now can make of easier operating this winter. I know I have a feed line that needs to be shortened and I haven't wanted to do in the heat and humidity of summer. With the fall also brings the start of the "radio sport" season. You can check the ARRL website or the latest issue of QST to see what contests are coming up.

Don't forget that the September meeting's program is Home Brew Projects. Bring out your projects from the bench and let the club see what you have been up to. It is always interesting to see what the club members have been working on.

Nominations are now being accepted for the 2018 Outstanding Ham of the Year. If you know somebody who is worthy of the award, please email me at KC3ESH@arrl.net. As written in the selection guidelines, "*Nominees must be a current member in good standing of WARC and should be recognized for their contribution (current or lifetime) to benefit the club or its members, and their dedication to the Amateur Radio community as a whole*". Nominations need to be received by October 25, 2018 and the award will be presented at our Holiday Dinner on December 6, 2018 which starts at 6:30pm.

73, George, KC3ESH

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.

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

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Minutes WARC General Meeting August 2, 2018

Attendance:

Call to Order

Introductions - pass mic

Gary Wilson, K2GW, Assistant Section Manager for SNJ and BSA National Council Radio Scouting Committee, presented Steve Larson, WW3Y, with the ARRL Amateur Radio Service to Scouting Award. Steve received the award for all his work supporting amateur radio at Ockanickon Scout Reservation. Congratulations Steve.

Minutes from last Meeting

Additions/Corrections – Motion made and unanimously approved as published

Committee Reports

Treasurer's Report: *Herb KB3VMN*

As reported at the meeting

Programs: *Jacek KC3HXF (not in attendance)*

September – Homebrew Night

October – 'Force of 50' volunteer Phil Weber KH2EI

November – ARRL Night

December – Holiday Dinner

Membership: *Norm AB3ZZ*

129 current members

1 new application this evening

Public Service: *George N3HBT*

Nothing to report

Drex – signup sheet for covered bridge run Sunday, October 14. If you are interested please see Drex to sign up. You can also sign up at Central Bucks website

Classes: *George KA3WXX/Ron WB2OOB*

Starting the 2nd Monday in September starts the next session of classes from 7pm to 9pm with Tech and General Classes

VEC Testing: *Larry WA3ELQ*

Successful session on Monday evening – 1 new tech, 2 upgrades to General

No testing session on August

Will be up at Ockanickon for testing with the scouts on Monday evening, August 6th

Next test session will be the last Monday evening in September

Repeater: *Brian N3EXA*

3 repeaters, Warminster, Hilltown and Abington

Good and Welfare: *Vince KD3TC*

Vince sent out a few cards this month

If you know if anyone needing a card please email Vince

Other Committees

Old Business

The Vincent Porcaro, K3VJP, Memorial Grant: George KC3ESH – We reviewed the new Memorial Grant which is an award that was created to help provide funding for the educational expenses of a young Amateur radio hobbyist who is pursuing a STEM related education and or project. The grant guidelines will be posted on WARCTalk.

Ockanickon Update: Norm AB3ZZ – Radio station is operational. The Alpha/Delta antenna is setup. Thank you to Irwin KD3TB, Bill K3FMQ and Andy KD3RF for helping set up the antenna. Thank you to George N3HTB and Jacek KC3HXF for making contacts with the scouts.

Donated Equipment: Andy KD3RF

New silent auction will begin by the weekend. You will receive an email with a link to the auction. The link is specific to you and your email address so do not share the link. Good equipment that is not more than 8-10 years old and in very good condition. The auction will end on August 31, 2018.

Holiday Dinner – December 6th beginning at 6:30pm. Look for details shortly on the website

OHOTH Award Nomination: George KC3ESH

Nominations are due by October 12. The guidelines will be posted on WARCTalk. If you would like to nominate someone, please send your nomination to George KC3ESH.

Hamfest: Michael W3MAS – not in attendance

Michael is looking for a co-chair to work with him next year and the possibly become the chair the following year with Michael as the co-chair. This is a great way to learn about the position and become more involved with the club.

(Continued on page 3)

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See Michael W3MAS if interested.

Groups.io Migration: Brandon N3UO

We will be moving the board group to Groups.io in the coming weeks. Once all of the kinks are worked out and we are sure that everything is functioning, we will migrate WARCTalk over.

New Business

JOTA: Norm AB3ZZ

Jamboree on the Air will be October 20, with set up Friday evening October 19 and operating Saturday, from 9am to 9pm

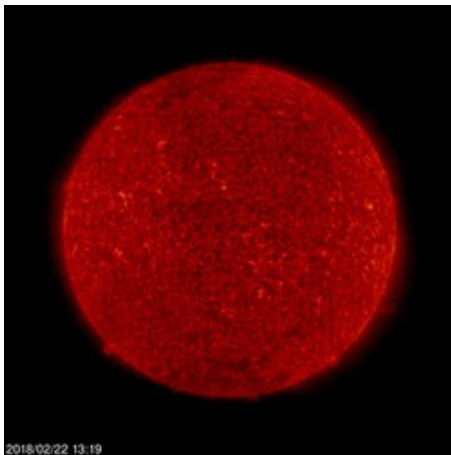
Information will go up on WARCTalk tomorrow

Motion to Adjourn

Motion made and approved to adjourn meeting at 7:58pm

Presentation: Radio sport Irwin (KD3TB), Bill (K3FMQ), Andy (KD3RF)

The K7RA Solar Update



Tad Cook, K7RA, Seattle, reports: We just saw 15 straight days with visible sunspots, but it ended on August 29, when the sunspot number fell to zero. According to Spaceweather.com, so far in 2018 we've seen 133 days with no sunspots, compared to 104 days last year. Over the reporting week, the average daily sunspot number rose from 13 to 17.7. Average daily solar flux rose from 67.5 to 70.6, average daily planetary A index from 10.1 to 19.9, and average mid-latitude A index from 10.4 to 13.4.

According to Spaceweather.com, new sunspot group 2720 is the first large spot of Cycle 25, because the magnetic polarity is reversed from the polarity of Cycle 24 sunspots.

Predicted solar flux is 70 on August 30 - September 6; 69 on September 7; 67 on September 8-9; 68 on September 10-11; 69 on September 12; 70 on September 13-22; 69 on September 23-25; 67 and 68 on September 26-27; 67 on September - October 6; 68, 68, and 69 on October 7-9, and 70 on October 10-13.

Predicted planetary A index is 8 on August 30; 5 on August 31 - September 2; 8 on September 3-4; 5, 5, and 8 on September 5-7; 5 on September 8-10; 15 on September 11-12; 12 on September 13-14; 10, 12, and 8 on September 15-17; 5 on September 18-21; 12, 18, 12, 10, 8, and 5 on September 22-27; 8 on September 28-29; 5 on September 30 - October 3; 8 on October 4; 5 on October 5-7; 18, 15, 15, 12, 10, and 10 on October 8-13.

Sunspot numbers for August 23 - 29 were 15, 29, 31, 26, 12, 11, and 0, with a mean of 17.7. The 10.7-centimeter flux was 69.5, 72.4, 71.6, 71.1, 69.6, 69.8, and 70.5, with a mean of 70.6. Estimated planetary A indices were 5, 5, 11, 76, 26, 10, and 6, with a mean of 19.9. Estimated mid-latitude A indices were 5, 7, 12, 34, 20, 9, and 7, with a mean of 13.4.

Courtesy of the ARRL Newsletter

FCC Cites Baofeng Importer for Illegally Marketing Unauthorized RF Devices

The FCC has issued a *Citation and Order* ([Citation](#)) to [Amcrest Industries, LLC](#) (formerly Foscam Digital Technologies, LLC), an importer and marketer of popular and inexpensive Baofeng hand-held transceivers, alleging that the company violated FCC rules and the Communications Act by illegally marketing unauthorized RF devices. The FCC asserts that Amcrest marketed Baofeng model UV-5R-series FM hand-held radios capable of transmitting on "restricted frequencies." The Baofeng models UV-5R and UV-5R V2+ were granted an FCC [equipment authorization](#) in 2012 to operate under Part 90 Private Land Mobile Radio Service (Land Mobile) rules.

(Continued on page 4)

(Continued from page 3)

“Under § 2.803 of the Commission’s rules, an entity may not market a device that is capable of operating outside the scope of its equipment authorization,” the FCC *Citation* said. “RF devices that have been authorized under Part 90 rules, such as the model as issue, must operate within the technical parameters established in those rules.” The FCC also maintained that the UV-5R 2+ is capable of operating at 1 W or 4 W, while the Part 90 Equipment Authorization limits the power output to 1.78 W.

Amcrest conceded that the units were capable of operating on restricted frequencies but told the FCC that, per discussions with the manufacturer, were “only capable of operating at 1 W, the FCC said. The company instructed the manufacturer to fix the problem and later confirmed with the manufacturer that all Amcrest inventory on order and in the future would operate only on 145 – 155 MHz and 400 – 520 MHz.

While the *Citation* does not mention Amateur Radio, the UV-5R series radios can be programmed in a channelized configuration to function on 2-meters and 70-centimeters. According to the *Citation*, Amcrest had added a warning in its user manuals and marketing and sales materials implying that the UV-5R V2+ could operate on unauthorized and restricted frequencies, including Part 87 Aviation Services frequencies, Part 80 Maritime Services frequencies, and frequencies reserved for federal government use. The FCC said Part 90 radios that permit the operator to use external controls to program and transmit on frequencies other than those programmed by the manufacturer are “generally prohibited.”

Amcrest told the FCC that it had ceased marketing four models in the Baofeng UV-5R series “a few years ago,” but it did not remove them from its website until last February. Numerous online retailers continue selling UV-5R series radios for less than \$25, with some ads indicating that these are “ham” equipment.

Amcrest Industries, LLC, which owns and operates Baofengradio US, is an import, distribution, and marketing company based in Houston, Texas. It also sells hand-held transceivers under its own label.

“While we recognize Amcrest’s efforts to date to achieve compliance with the Commission’s rules, the company must nonetheless ensure the version of the UV-5R V2+ it is marketing operates only on frequencies specified in its Equipment Authorization,” the FCC said in its *Citation*. The FCC directed Amcrest “to take immediate steps to come into compliance with the Commission’s equipment authorization rules and cease marketing unauthorized RF devices in the United States.” Amcrest could face fines of nearly \$20,000 per day if it fails to comply.

Courtesy of the ARRL Newsletter

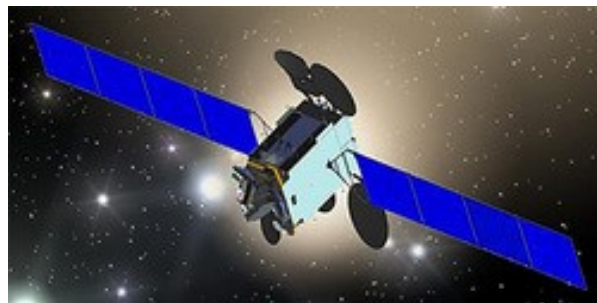
Launch of Es’hail-2 with First Phase 4 Amateur Transponders Expected Later this Year

Es’hailSat, the Qatar Satellite Company, has tweeted that it’s anticipating that SpaceX will launch its geostationary *Es’hail-2* satellite sometime in the 4th quarter of 2018. The commercial Qatari satellite will provide the first Amateur Radio geostationary communication and will be capable of linking amateurs from Brazil to Thailand.

Es’hail-2 will carry two AMSAT-DL-designed Phase 4 Amateur Radio transponders operating in the 2.4 GHz and 10.450 GHz bands. A 250-kHz bandwidth linear transponder is intended for conventional analog operation, while an 8-MHz bandwidth transponder will serve experimental digital modulation schemes and DVB amateur television. The satellite will be positioned at 26° east. Es’hailSat said the new satellite “will allow also the AMSAT community to validate and demonstrate their DVB standard.”

The narrowband analog linear transponder downlink will cover 10489.550 – 10489.800 MHz with 100 W output. The uplink will be 2400.050 – 2400.300 MHz. The wideband digital transponder will downlink on 10491.000 – 10499.000 MHz with 100 W output. The uplink passband will be 2401.500 – 2409.500 MHz.

Both transponders will be equipped with antennas capable of providing full coverage over about one-third of Earth’s surface. The Qatar Amateur Radio Society (A71A) and Qatar Satellite Company are cooperating on the Amateur Radio project. AMSAT-DL is providing technical support.



(Continued on page 5)

Es'hailSat said its high-powered, advanced satellite will build on the success of Es'hail-1 and “further boost broadband delivery, broadcasting, and global connectivity in Qatar, the entire region and beyond.” Mitsubishi Electric Corporation in Japan is manufacturing the satellite.

Courtesy of the ARRL Newsletter

NIST FY 2019 Budget Would Eliminate WWV and WWVH

The National Institute of Standards and Technology ([NIST](#)) FY 2019 budget request includes shutting down “NIST radio stations in Colorado and Hawaii” — in other words, WWV and WWVH. Radio amateurs, HF listeners, and others around the world routinely make use of the time and frequency standard signals, which also include propagation information. NIST said eliminating funding currently “supporting fundamental measurement dissemination” would include putting WWV and WWVH off the air for a saving of \$6.3 million. The NIST FY 2019 budget request for efforts related to Fundamental Measurement, Quantum Science and Measurement Dissemination is \$127 million, which, the agency said, is a net decrease of \$49 million from FY 2018 levels. The Administration's [overall NIST budget](#) request is more than \$629 million.

“The proposed reductions will allow NIST to consolidate and focus on narrower core [fundamental] measurement programs while meeting budget levels,” the agency said in its FY 2019 [budget summary](#). “NIST will focus on basic research while reducing funding for efforts applying some of its breakthroughs into new measurement applications.

The FY 2019 proposed budget cuts developed earlier this year came to light via Tom Witherspoon, K4SWL, who maintains [The SWLing Post](#) website, after a number of viewers called it to his attention. He posted an [article](#) on his blog.

“I’ve always considered WWV and WWVH to be the heartbeat of the shortwaves here in North America — a constant, timely companion and brilliant gauge of HF propagation,” Witherspoon wrote. I assumed both stations would be some of the last to go silent on the shortwaves.”

NIST said other “illustrative” cuts in the FY 2019 budget include:

- \$3.5 million for Lab to Market, which seeks to accelerate technology transfer from federal laboratories
- \$6.6 million in environmental measurements projects across NIST laboratories, including work measuring the impact of aerosols on pollution and climate change, and gas reference materials used by industry to reduce costs of complying with regulations
- \$5.8 million eliminating the NIST Greenhouse Gas (GHG) Measurements program, including Urban Dome research grants to advance the direct measurement of GHG emissions on the scale of cities or regions.
- \$6.7 million in forensic science, reducing the program size to \$7.3 million by prioritizing measurement science in the NIST labs and eliminating program management functions and external grants for the Organization of Scientific Area Committees for Forensic Science and the Forensic Science Center of Excellence
- \$4.1 million in R&D targeting application of NIST quantum breakthroughs to applied measurement needs, including temperature and atmospheric gas metrology
-

“I find this budget request *very* disappointing,” Witherspoon said with respect to the proposed elimination of WWV and WWVH. “Let’s hope, somehow, this does not come to fruition.” He said *The SWLing Post* would be tracking and posting any new developments.

Courtesy of the ARRL Newsletter

HAARP’s WSPR Research Campaign Yields Hundreds of Reports on 40 and 80 Meters

Just-completed research at the High-Frequency Active Auroral Research Program ([HAARP](#)) transmitters in Gakona, Alaska, successfully took advantage of the WSPR digital protocol and the Weak Signal Propagation Reporter Network ([WSPRnet](#)) on July 30 through August 1. University of Alaska Fairbanks (UAF) Space Physics Group researcher and HAARP Chief Scientist Chris Fallen, KL3WX, told ARRL that the research — HAARP’s fourth research campaign under management of the University of Alaska Fairbanks — went well.

“My ‘citizen science’ experiments were funded by the National Science Foundation and were conducted for approximately 30 minutes at the end of each campaign day,” Fallen told ARRL. “They consisted of 2-minute transmissions using the WSPR digital mode in the 40- and 80-meter bands, with a 2-minute off period between transmissions.” He said HAARP transmitted in full-carrier, double-sideband AM because it does not have SSB capability. HAARP operated under its Part 5 Experimental license,

WI2XFX, with Special Temporary Authority (STA) from the FCC to transmit on amateur bands.

"I systematically varied the HAARP transmission parameters, such as gain, net power, beam direction, and polarization, to see how they affected the reception reports collected in the WSPRnet.org database," Fallen said. "During the 3 days, we gathered more than 300 confirmed reports of signal strength and location from nearly 100 unique participants throughout Canada and the US."

Fallen said the spots, collected along with the corresponding HAARP transmission parameters, are available online, [\(1\)](#) and [\(2\)](#).

He said the spreadsheet at the second link is editable by the public, "specifically by citizen scientists who want to manually add their spot or other interesting data analysis," he added. "In this sense, the experiment continues."

He said that HAARP's low-elevation transmissions on 40 meters resulted in the greatest number of spots. "The 40-acre phased array antenna at HAARP, with its vertically oriented normal, is not designed for low-elevation transmissions, and so these directional experiments most likely included significant grating lobes in the opposite directions," Fallen explained. "The most distant spot was located at grid EL96xi, near Boca Raton, Florida, reported by W1NEJ, from a distance of 6,154 kilometers. Interestingly, HAARP was aimed in the magnetic west direction during that spot. Those grating lobes!" A grating lobe occurs when the signal is steered too far with a phased array and the main beam reappears on the opposite side.

Fallen said a few Alaskans participated in the test, and all spots from there were on 80 meters, with the exception of a single 40-meter spot reported by KL4IU, located near Fairbanks. "KL4IU used a [30 MHz turnstile antenna](#) recycled from the old Poker Flat Research Range imaging riometer, essentially a phased array HF receiver, that was destroyed by lightning many years ago," he said.

HAARP and the Arecibo Observatory in Puerto Rico are planning to conduct heating campaigns this fall, Fallen noted, although not at the same time, as experimenters are shared.

Funding agencies for the recent HAARP research campaign included the National Science Foundation, Air Force Research Laboratory, and the Office of Naval Research, with experimenters from the Naval Research Laboratory, Air Force Research Laboratory, Eastern Michigan University, Cornell University, Virginia Tech, and the University of Alaska Fairbanks.

Courtesy of the ARRL Newsletter

Clallam County (WA) ARES group took part in an "active shooter" training exercise

For the second year in a row, members of the Clallam County (WA) ARES group took part in an "active shooter" training exercise. The Clallam County Sheriff's Department conducts training each year to educate as many first responders as possible in the proper techniques of conducting operations during these incidents, including neutralizing the threat, evacuating victims, reuniting families of victims, and offering counseling. Safety is a major concern during these exercises. The latest exercise on August 10 included participation by corrections officers, tribal police, sheriff deputies, ambulance crews, county fire personnel, and even the US Coast Guard. ARES personnel provided communication between the instructors and locations being used so that all regular communications among the various agencies could proceed without interruption by training-related traffic. ARES establishes communication between the command instructors and all remote locations during the drill, including the hospitals, the reunification center, the emergency operations center, and other sites. During this exercise, the Coast Guard responded to pick up a victim for transport to the hospital 35 miles away. "This is a great opportunity for ARES to get more experience and training and to hopefully be more prepared for the next event, whatever it may be," said ARES Assistant Emergency Coordinator Joe Wright, KG7JWW.

Courtesy of the ARRL Newsletter

CLUB INFO**PUBLIC SERVICE**

Warminster Parks & Recreation Golf Outing – Monday, October 8, 2018 @ 9:00 am
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.

If you want to have your picture taken to be placed on the 'Members' Photos' section of the 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

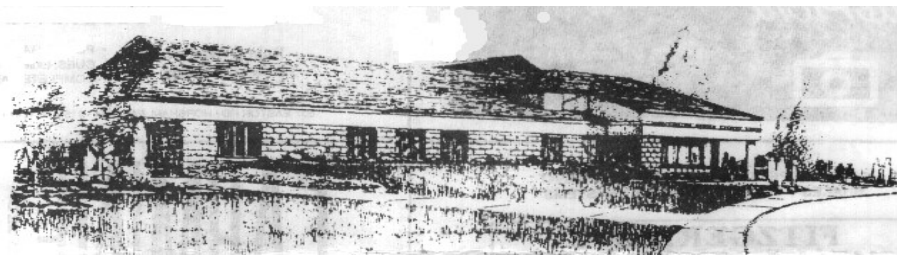
September – Home Brew

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

September

8-10 [September VHF](#) 1800 UTC Saturday and runs through 0259 UTC Monday
15-16 [10 GHz & Up - Round 2](#) 6:00 AM local Saturday through 12:00 midnight local Sunday

29-30 [EME - 2.3 GHz & Up](#) 0000 UTC on Saturday through 2359 UTC Sunday

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)

QSO Parties

Colorado	1300Z, Sep 1 to 0400Z, Sep 2
Alabama	1500Z, Sep 1 to 0300Z, Sep 2
Tennessee	1800Z, Sep 2 to 0300Z, Sep 3
Iowa	1400Z, Sep 15 to 0200Z, Sep 16
New Hampshire	1600Z, Sep 15 to 0400Z, Sep 16 and 1600Z-2200Z, Sep 16
New Jersey	1600Z, Sep 15 to 0359Z, Sep 16 and 1400Z-2000Z, Sep 16
Maine	1200Z, Sep 22 to 1200Z, Sep 23
Texas	1400Z, Sep 29 to 0200Z, Sep 30 and 1400Z-2000Z, Sep 30

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.

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 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
 Alt Contact: Jim, 610-287-5630

➤ ATLANTIC DIV. HAMFESTS ➤ 2018

September 15 - DVRA Hamfest

West Windsor Community Park
 Bernt Midland Blvd.
 West Windsor, NJ
<http://www.w2zq.com/>

September 15 - Southern New Jersey Section Convention

Gloucester County 4-H Fairgrounds
 235 Bridgeton Pike (Route 77)
 Mullica Hill, NJ 08062
<http://w2mmd.org>

September 28 - [Mid-Atlantic States VHF Conference](#)

Holiday Inn Bensalem-Philadelphia
 3327 Street Road
 Bensalem, PA 19020
<http://packratvhf.com>

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:

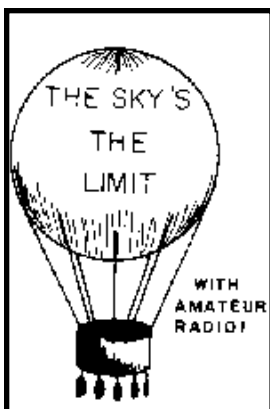
<https://www.weather.gov/phi/Info>

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

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