



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

December 2017

Next Meeting December 7th - Holiday Dinner

President's Message

Well, WARC is wrapping up another year, and this one was busier and more exciting than any in recent memory. We were selected to host our first EPA Section Convention in conjunction with our annual Hamfest, and we put on a great event. So good, in fact, that we were selected to host it again next year! Quite an honor for the club, and a testament to our membership for stepping up to the plate and making it run as smoothly as it did. We also relocated our Hamfest to Bucks County Community College's Lower Bucks Campus, which allowed us to hold seminars for the first time, as well as offering more modern conveniences for our guests and staff. We look forward to many more years of this new relationship.

We also hosted several unique presentations at our monthly meetings this year, including Norm Fusaro W3IZ from ARRL HQ; outgoing Atlantic Division Vice Direct Bob Famiglio K3RF; our very own Laura Floyd KC3GWL with her award-winning project on receiving signals from Jupiter; and culminating with our very first presentation via Skype with DX Engineering COO Tim Duffy K3LR. We already have a lot of exciting presentations lined up for next year, and are looking into more opportunities to host long distance presentations from other ham radio personalities. Our monthly meetings are not to be missed!

As is a WARC tradition, our December gathering will be our annual Holiday Dinner, at which we will present our WI3Y Outstanding Ham of the Year award for the third time. This year the Board was presented with several worthy candidates, making our decision on this year's recipient the toughest to date. This is another indication of the commitment and dedication of our club members, exemplifying how so many contribute so much to make this club the best it can be. I can truly say that it is a pleasure to serve you all as President, and that I am proud to be a part of the legacy of this club.

Of course, no year goes by without the loss of someone close to us, and we hope that you take a moment at this time of year to reflect on their memories, and the impact they had on your life.

All-in-all, I can say that we had a great year: Let's work together to make 2018 even better! Happiest of holidays to you and yours, may you find peace and joy during this special season.

de Tony, W3FLH

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WARC General Membership Meeting Minutes November 2nd, 2017

Attendance:

Call to Order - Tony W3FLH
Introduction - Pass the mic

Minutes from last Meeting

Additions/Corrections - Minutes accepted and approved as published

Committee Reports

Treasurer's Report: *Herb KB3VMN*

As reported at meeting

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Programs: *George KC3ESH*

November – Contesting/Tim K3LR (via Skype)

December – Holiday Dinner

January – Stump the Chumps/Gameshow

February – Club Auction

March – CAP Comms w/Chris Trotter KB3CET

Membership: *Jacek KC3HXF*

143 current active members

1 application approved

Public Service: *George N3HBT*

No further events this year

Thank you for all who helped at the Covered Bridge Ride

Thank you to those who stepped up to help with the Craven Hall Run

Classes: *George KA3WXV/Ron WB2OOB*

Classes for tech and general are ended this Monday

Next classes are set for spring for extra and technician beginning the second Monday in March

Nov 11-12 there will be a weekend class for technicians and there will also be a train the trainer for instructors in New Jersey

VE Testing: *Larry WA3ELQ*

Large turnout on Monday evening. 12 candidates, 11 successful with 5 techs, 5 general and 1 upgrade to Extra

December session will be December 18

Repeater: *Brian N3EXA* (Not in attendance)

Everything functioning. Brian will take care of 440 repeater in Abington once he is healed from shoulder surgery.

Other Committees

Old Business

Holiday Dinner – Kathy KC3FBY – We have 39 paid people. Please see Kathy at the meeting to sign up for dinner or use the PayPal link on the website or in the email that was sent out this past week. It is best to get a count of attendees in advance so that we can prepare accordingly. We have a good night with a buffet dinner and door prizes for both HAM and non-HAM attendees. Hope to see everyone there.

BWSAC Contract – Tony W3FLH – The board received the contract last week from the center that the board reviewed and will need some minor changes and/or corrections.

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Club member profession list – Norm AB3ZZ will be sending an email with a Google doc link will be sent out for those who will voluntarily want to have their name published on a list of professional services that club members can offer to other members of the club.

New Business

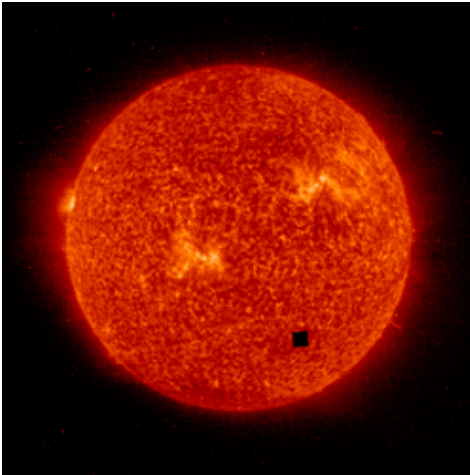
Annual donation to BWSAC – Tony W3FLH – Each year we have given the senior center a monetary donation. The board has recommended a donation this year of \$600. A motion was made by membership and membership unanimously approved giving a donation of \$600 to the BWSAC.

Motion to Adjourn

Meeting adjourned at 7:53pm

Presentation: Tim Duffy K3LR, COO of DX Engineering & CQ Contest HoF, via Skype

THE K7RA SOLAR UPDATE



Tad Cook, K7RA, Seattle, reports: The outlook for the near term shows solar flux at 72, 71, and 69 for November 30-December 2, 68 on December 3-6; 70 and 71 on December 7-8; 72 on December 9-12; 74 on December 13; 75 on December 14-16; 74 on December 17; 73 on December 18-20; 74 on December 21-22; 76 on December 23-29; 72 on December 30-31; 70 on January 1-3; 71 on January 4; 72 on January 5-8; 74 on January 9; 75 on January 10-12, and 74 on January 13.

The predicted planetary A index is 10, 6, 5, and 5 on November 30-December 3; 32, 36, 18, 20, and 10 on December 4-8; 5 on December 9-10; 12, 15, 12, and 8 on December 11-14; 5 on December 15-16; 8, 25, and 10 on December 17-19; 8 on December 20-21; 5 on December 22-23; 15 on December 24; 12 on December 25-27; 8 on December 28; 5 on December 29-30; 35, 40, 28, 20, and 10 on December 31-January 4; 5 on January 5-6; 12, 15, 12, 8, and 5 on January 7-11, and 8 on January 12-13.

Sunspot numbers for November 23 through 29, 2017 were 0, 0, 13, 15, 15, 14, and 12, with a mean of 9.9. The 10.7-centimeter flux was 72.4, 74.1, 74.3, 75.5, 73.6, 71.9, and 72.6, with a mean of 73.5. Estimated planetary A indices were 9, 10, 7, 3,

5, 8, and 5, with a mean of 6.7.

Estimated mid-latitude A indices were 7, 8, 4, 2, 4, 6, and 4, with a mean of 5.

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

Courtesy of the ARRL Newsletter

Slow-Scan TV Transmissions from ISS Scheduled for December 6-8

ARISS has announced <<https://ariss-sstv.blogspot.com/>> that the MAI-75 Slow-Scan (SSTV) system on the ISS will be on the air starting on December 5 at around 1500 UTC and continuing until December 6 at 0900 UTC, transmitting test images on 145.800 MHz FM that should be available worldwide.

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SSTV activity on December 7 and 8 is scheduled to occur at times when the ISS is above Moscow. In the past images have been sent in PD180 mode, with a 3-minute off time between each image.

The SSTV system is in the Russian Service Module of the International Space Station (ISS). -- Thanks to ARISS

Courtesy of the ARRL Newsletter

AO-91 COMMISSIONED, DECLARED OPEN FOR AMATEUR USE!

AMSAT-NA's latest Amateur Radio CubeSat, RadFxCat (Fox-1B), now known as AO-91, has been opened for general use. AMSAT Engineering officially announced that AO-91 was ready for use at 0650 UTC on Thanksgiving Day, November 23. AMSAT VP of Engineering, Jerry Buxton, N0JY, turned over operation to Mark Hammond, N8MH, and AMSAT Operations during a contact on the AO-91 repeater during the pass over the Eastern US, AMSAT said in a bulletin.

The latest CubeSat in the Fox series was launched on November 18 from Vandenberg Air Force Base in California. Telemetry is downlinked via the DUV sub-audible telemetry stream, which can be decoded using FoxTelem <https://www.amsat.org/foxtelem-software-for-windows-mac-linux/> software.

A 1U CubeSat, RadFxCat (Fox-1B) is a joint mission of AMSAT and the Institute for Space and Defense Electronics (ISDE <<http://www.isde.vanderbilt.edu/>>) at Vanderbilt University. AMSAT constructed the rest of the satellite, including the spaceframe, on-board computer, and power system. The Amateur Radio package is similar to that currently on orbit on AO-85, with an uplink on 435.250 MHz (67.0 Hz CTCSS) and a downlink on 145.960 MHz. -- Thanks to AMSAT News Service

Courtesy of the ARRL Newsletter

AMATEUR RADIO-CARRYING D-STAR ONE CUBESAT AMONG SPACECRAFT APPARENTLY LOST

The first Amateur Radio satellite to employ the D-Star digital voice and data format -- D-Star One -- was among about 20 secondary payloads lost on November 28 after an otherwise nominal launch of a three-stage Soyuz 2.1 booster from the new Vostochny Cosmodrome in the far reaches of eastern Russia.

The mission carried the Russian Meteor M2-1 satellite -- the primary payload -- as well as a Canadian Telestar experimental satellite, and 17 other secondary payloads, including D-Star One. According to reports, a fault occurred in the sophisticated and autonomous Fregat upper stage, which, after separating from the launch vehicle, inserts multiple spacecraft into their respective orbits. A so-called "space tug," Fregat has been in service for nearly 2 decades and has suffered three previous failures. Russian space agency Roscosmos is investigating the Fregat failure.

D-Star One, the first German commercial CubeSat, carried four communication modules, two designated for Amateur Radio use.

D-Star One was developed by German Orbital Systems in cooperation with the Czech company iSky Technology as part of a plan to eventually assemble a low-Earth orbit communication network.

"Hopefully, we'll get another chance to utilize D-Star communications with a satellite repeater sometime in the future," Wayne Day, N5WD, commented on the AMSAT-BB.

The Fregat upper stage functions as an orbital vehicle in its own right to access a range of orbital configurations through a series of "burns." Made up of six spherical tanks arrayed in a circle, Fregat is "independent from the lower three stages, having its own guidance, navigation, control, tracking, and telemetry systems," according to Gunter's Space Page.

The November 28 launch was only the second from the new cosmodrome.

Courtesy of the ARRL Newsletter

EMERGENCY HF NET CONVENED IN COLOMBIA IN WAKE OF LANDSLIDE, FLOODING

Radio amateurs in Colombia were put on Orange Alert on November 8, and an HF net activated on 7.117 kHz in the wake of an avalanche of mud and rocks the previous evening on the La Paila River in the town of Corinto. The incident at dusk killed at least five

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and injured dozens more. Upward of 20 people are missing after a flood of mud and debris swept through the small town some 60 kilometers southeast of Cali.

Mud and debris were flushed into Corinto by the avalanche.

"The Emergency Network of radio amateurs in Cali and Popayan are working together at this time to keep the risk management authorities informed about injured and missing people and temporary shelters," Juan Manuel Yanguas, HK5AKN, Director and Coordinator of the Emergency Service for Liga de Radioaficionados de Ca, said on November 7. "We continue monitoring and will inform about more risks." Yanguas said the Corinto hospital had been evacuated, and a hospital facility has been set up in a camp in the city's principal park, and the population is being evacuated to higher ground. Relief agencies have evacuated the community to the village of San Rafael.

The spreading footprint of the avalanche had affected some 60 families -- about 300 people in all. A half-dozen injured were taken to the local coliseum, which was activated as a shelter, and a crisis room was installed at the Corinto Fire Department command center. -- Thanks to IARU Region 2 Emergency Coordinator Cesar Santos, HR2P; media reports

Courtesy of the ARRL Newsletter

AMERICAN RED CROSS HAILS "NEW PARTNERSHIP" WITH ARRL FOLLOWING PUERTO RICO DEPLOYMENT

The American Red Cross (ARC) this week thanked ARRL and its "Force of 50" hurricane recovery volunteers who deployed to Puerto Rico earlier this month, and it suggested a new level of partnership now exists between the two organizations. ARC Senior Vice President, Disaster Cycle Services Harvey Johnson this week wrote ARRL President Rick Roderick, K5UR, and ARRL CEO Tom Gallagher, NY2RF, to express his organization's gratitude for "all your amazing volunteers for the unwavering commitment demonstrated during the response to this unprecedented disaster in Puerto Rico." Johnson said the team's actions "made a significant difference" in the lives of those affected.

"This mission marked an exciting new path for our two organizations with it being the first time we deployed ARRL volunteers to a Red Cross relief operation," Johnson wrote. "I continue to hear incredible stories about how the ARRL volunteers supported individuals, communities, and partner organizations during their time in Puerto Rico." ARRL and the American Red Cross have a long-standing memorandum of understanding (MOU <http://www.arrrl.org/files/file/Public%20Service/MOUs/2016_01_06_MOU_ARRL_Red%20Cross_FINAL.pdf>) to cooperate in emergencies and disasters.

"It was a complex cooperation in an austere environment, and the mission certainly had its challenges," Johnson continued. "While we have much to learn from this new experience and areas to improve upon, we remain committed to working with you, ARRL, and your cadre of talented volunteers."

Johnson singled out for special praise ARRL Emergency Response Manager Mike Corey, K1IU, "for his leadership in planning and managing the mission."

"Mike was fast acting and thoughtful, constantly working to make the mission effective through transparency and collaboration," Johnson said. "We simply could not have achieved the outcomes without him."

Johnson said the ARC looks forward to working together with ARRL to "serve those impacted by disasters."

Courtesy of the ARRL Newsletter

NEW DIGITAL MODES CHANGING COMPLEXION OF BANDS AND PERHAPS OF HAM RADIO

The wave of software-based digital modes over the past several years has altered the atmosphere of the HF bands. Some suggest the popularity of modes that make it possible to contact stations neither operator can even hear has resulted in fewer CW and SSB signals on bands like 6 meters and 160 meters. Traditional modes require far more interaction and effort on the part of the operator; the newer digital modes, not so much. The recent advent of the still-beta "quick" FT8 mode, developed by Steve Franke, K9AN, and Joe Taylor, K1JT -- the "F" and the "T" in the mode's moniker -- has brought this to a head. Some now wonder if FT8 marks the end of an era and the start of a new, more minimalist age.

"We've been as surprised as anyone about the rapid uptake of FT8 for making QSOs on the HF bands," Taylor told ARRL this week. Rather than viewing FT8 as a total game-changer, he sees a dividing line between such digital modes and more traditional modes.

"SSB and CW are general-purpose modes," Taylor asserted. "They are good for ragchewing, DXing, contesting, emergency communications, or whatever. FT8 and the other modes in WSJT-X <<https://physics.princeton.edu/pulsar/k1jt/wsjsx.html>> are

special-purpose modes. They are designed for making reliable, error-free contacts using very weak signals -- in particular, signals that may be too weak for the more traditional modes to be usable, or even too weak to hear."

Taylor notes that the information exchanged in most FT8, JT65, and other digital-mode contacts "is little more than the bare minimum for what's considered to be a valid contact." In addition to call signs and signal reports, stations may exchange grid squares and acknowledgments.

Radio amateurs recently commented in response to a Top Band Reflector post, in which Steve Ireland, VK6VZ, averred that because of FT8, "160-meter DXing has changed, perhaps forever" in recent weeks. Ireland said he downloaded FT8 but just couldn't bring himself to use it on the air. "My heart isn't in it," he wrote. "My computer will be talking to someone else's computer, and there will be no sense of either a particular person's way of sending CW or the tone of their voice. The human in radio has somehow been lost."

In his blog <<http://ve7sl.blogspot.ca/>>, Steve McDonald, VE7SL, compiled not only Ireland's posts, but some responses to it, although not identified by name or call sign. One commenter suggested that the game-changing aspect of FT8 is that those who typically operate CW or SSB will gravitate to FT8. "The amount of activity on the FT8 frequency of any band is phenomenal," the commenter observed. A few complained that no skill is involved in making contacts using computer-based digital modes.

Another suggested that FT8 is already falling victim to its own success, with too many stations crowding around the designated FT8 frequencies. Others were more philosophical, with remarks along the lines of this one: "It is allowing people who have smaller stations the opportunity to get on and use their radios and a computer to make contacts they never would have been able to make. This is great for ham radio!"

Taylor would agree. As he sees it, FT8 won't replace modes such as CW or SSB. "Nevertheless, it's clear that -- at least in the short term -- many hams enjoy making rapid-fire minimal QSOs with other hams, all over the world, using modest ham equipment," he said. "For this purpose, FT8 shines." Read more <<http://www.arrl.org/news/new-digital-modes-changing-complexion-of-bands-and-perhaps-of-ham-radio>>.

Courtesy of the ARRL Newsletter

JOE SPIER, K6WAO, ASCENDS TO AMSAT-NA PRESIDENCY, ANNOUNCES NEXT CUBESAT INITIATIVE

The AMSAT-NA <<http://www.amsat.org>> Board of Directors has elected Joe Spier, K6WAO, of Weimar, California, as the organization's new president. An ARRL and AMSAT Life Member, Spier, 58, succeeds Barry Baines, WD4ASW, who served as AMSAT President for the past 9 years. Spier is a well-known figure in AMSAT and Amateur Radio Satellite circles. He served previously as AMSAT-NA Executive Vice President and Vice President for Educational Relations. The Board's action came at the AMSAT-NA Annual General Meeting in Reno, Nevada, where Spier announced the next phase of AMSAT's CubeSat program, called "GOLF."

GOLF is an acronym for "Greater Orbit, Larger Footprint." AMSAT considers the new initiative as a crucial step toward fulfilling AMSAT's strategic goals involving high-altitude, wide-access satellite missions.

As an initial step in the GOLF program, AMSAT will be submitting a NASA CubeSat Launch Initiative proposal for the GOLF-T satellite project, which will serve as a rapidly deployable low Earth orbit (LEO) testbed for technologies necessary for successful CubeSat missions in a wide range of orbit, including LEO, medium Earth orbit (MEO), geosynchronous orbit (GEO), and highly elliptical orbit (HEO).

"The GOLF-T project tees off the next phase of our CubeSat program," punned AMSAT-NA Vice-President Engineering, Jerry Buxton, N0JY. "GOLF-T provides AMSAT hardware and knowledge for attitude determination and control (ADAC) capability and the opportunity to develop a 3U spaceframe with deployable solar panels that can be used in LEO or HEO missions -- two of the major systems required in future GOLF and HEO missions."

AMSAT said GOLF-T will provide the opportunity for rapid deployment and on-orbit testing of AMSAT's Advanced Satellite Communications and Exploration of New Technology (ASCENT) program's technology. ASCENT will include radiation-tolerant transponder and Integrated Housekeeping Unit (IHU) technologies that, AMSAT says, "will lead the way for low-cost, commercial, off-the-shelf systems that can function in MEO and HEO radiation environments." GOLF-T will also provide for the development of so-called "Five and Dime" (5 GHz and 10 GHz) field-programmable gate array software-defined radio (FPGA SDR) transponders for use on a variety of missions and orbits.

Other officers elected by the Board were Paul Stoetzer, N8HM, Executive Vice President; Jerry Buxton, N0JY, Vice President Engineering; Drew Glasbrenner, KO4MA, Vice President Operations; Clayton Coleman, W5PFG, Secretary; Keith Baker, KB1SF/VA3KSF, Treasurer, and Martha Saragovitz as Manager. Read more <<http://www.arrl.org/news/joe-spier-k6wao-ascends-to-amsat-na-presidency-announces-next-cubesat-initiative>>.

Courtesy of the ARRL Newsletter

HAMSCI WORKSHOP AIMS TO FOSTER COLLABORATION BETWEEN HAMS AND SPACE SCIENCE/WEATHER RESEARCHERS

HamSCI <<http://hamsci.org/>> -- the Amateur Radio citizen science initiative -- has announced a 2-day workshop <http://hamsci.org/article/hamsci-workshop-2018-interest-survey> February 23-24 at New Jersey Institute of Technology (NJIT) in Newark. HamSCI's Nathaniel Frissell, W2NAF, has posted a survey <https://docs.google.com/forms/d/e/1FAIpQLSeif2G4TqNtleA0TriO-vLF8FtheNkP4D06Lli1UwNnkTN7g/viewform> to gauge interest and potential attendance.

"We are inviting all hams and scientists interested in ham radio science," Frissell said. "The aim of this workshop is to foster collaborations between the ham radio and the space science and space weather research communities through presentations, discussions, and demonstrations. This year's meeting will focus on solar eclipse analysis, ham radio data sources and databases, and the development of a 'personal space weather station.'"

Frissell, an NJIT assistant research professor, invited presentations from within the Amateur Radio community. "We will also accept submissions of abstracts and demonstrations of other topics that are of interest to ham radio and ionospheric science," he said. "The solar eclipse topic is a follow-on to this summer's total solar eclipse and the Solar Eclipse QSO Party (SEQP). We hope to have presentations from both ham radio operators and professional scientists showing the data that they have collected and what they think it means."

The tentative schedule calls for oral presentations on "Ham Radio Data Sources, Databases Analysis" and "Solar Eclipse Effects on the Ionosphere, including results from the Solar Eclipse QSO Party." Phil Erickson, W1PJE, of MIT's Haystack Observatory is scheduled to be the Friday evening banquet speaker. Tutorials on Saturday will include "Ham Radio for Space Scientists," with Frank Donovan, W3LPL, and "Space Science for Ham Radio Operators" (speaker pending).

The Personal Space Weather Station

Frissell said HamSCI would like to encourage development of the personal space weather station concept. "This is analogous to a personal weather station that people install at their homes to measure temperature, wind speed, rainfall, and humidity, and report this data to groups like the NWS, NOAA, and Weather Underground," Frissell said. "We want to create a similar package for space weather and have that data go to a single repository."

An ideal personal space weather station would likely include instruments able to detect things such as traveling ionospheric disturbances, radio blackouts, propagation changes, lightning, and magnetospheric activity, Frissell said. It would probably include, at a minimum, a wideband software-defined radio, a magnetometer, a timing source, and a computer -- all currently available, but not as an integrated package, he pointed out.

At the February workshop, HamSCI wants to better define the capabilities of a personal space weather station as well as how to implement the concept. "HamSCI will be teaming up with TAPR <<http://www.tapr.org/>> to do this," Frissell said. "Scientists will talk about what science topics the device should be able to measure, and TAPR will discuss how to actually design and implement the device."

Frissell said he hopes hams attending will come away more knowledgeable about ionospheric and space science, and scientists will gain a better understanding of Amateur Radio. Read more <<http://www.arrl.org/news/hamsci-workshop-aims-to-foster-collaboration-between-hams-and-space-science-weather-researchers>>.

Courtesy of the ARRL Newsletter

CLUB INFO

PUBLIC SERVICE

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

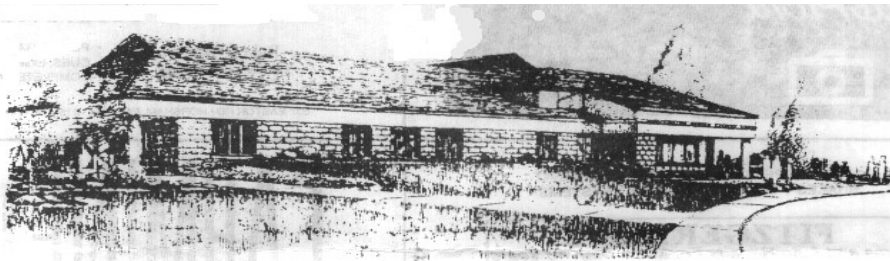
The Membership Committee can provide Club badges. Two types are available: an engraved plastic callsign and name badge for \$8 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership. Pictures for the club badge will be taken before club meetings on even 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 2017 – 2018

December - Holiday Dinner
 January – Stump the Chumps
 February - Club Auction
 March – CAP Comms w/Chris Trotter KB3CET

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.

2017 Contest Calendar

December

1-3 [160 Meter](#)

Starts 2200 UTC Friday, ends 1600 UTC Sunday

9-10 [10 Meter](#)

Starts 0000 UTC Saturday; runs through 2359 UTC Sunday

17 [Rookie Roundup-CW](#)

1800 UTC through 2359 UTC

January

6-7 ARRL RTTY Roundup

Starts 1800 UTC Saturday, ends 2359 UTC Sunday

20-22 ARRL January VHF Contest

Starts 1900 UTC Saturday, ends 0359 UTC Monday

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 2017 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 ➤ 2017 - 2018

December 9 - Second Annual American Legion PGCERA SantaFest
American Legion Youth Camp
9201 Surratts Road
Cheltenham, MD 20623
<http://pgares.org/santafest/index.html>

January 28 - Post Holiday Hamfest
Odenton Volunteer Fire Company
1425 Annapolis Road
Odenton, MD 21113
<https://sites.google.com/site/marylandmobileers/hamfests-1/hamfest-2>

April 21 - Delaware State Convention (Delmarva Amateur Radio & Electronics EXPO)
Cheer Community 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, George Acker KC3ESH

Area Repeaters

VHF

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

220

- 224.580 PackRats
- 223.76 K3NAL

UHF

- 442.650 DVRA
- 443.250 TAG
- 443.050 Metro-Comm
- 443.950 Warminster
- 444.200 BEARS
- 447.475 WR3B
- 448.225 Penn Wireless
- 444.759 RF Hill Analog/
Fusion

D-STAR

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

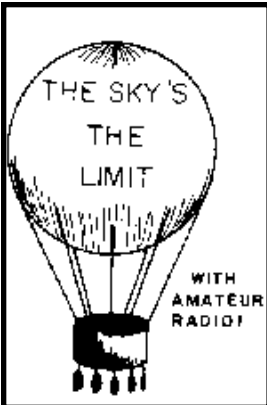
6 Mtr

- 53.030 WA3BXW
- 53.230 N3DQZ
- 53.320 K3MFI

*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
 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.

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 ?

2017 Officers

Executive Officers

President	Tony Cuttone	W3FLH	267-679-9297
Vice-President	George Acker	KC3ESH	215-815-7783
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	Irwin Darack	KD3TB	215-343-8170

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	Jacek Ostrowski	KC3HXF	
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