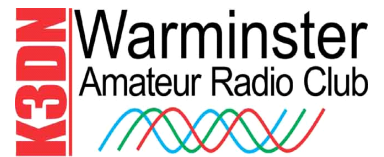




FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

May 2018

Next Meeting May 3 - Hamfest Prep (final); Elections; Antennas w/Joe AA3JH

President's Message

It looks like Winter has finally taken its leave (how long was it here, anyway??), and we actually have some nice weather on the horizon. With that, we hams will surely be outside evaluating, assessing, and planning any repairs, changes, upgrades and experiments to our antenna systems. It's the Amateur's annual rite of passage, and it keeps us active and involved in our hobby, but most importantly, it keeps us On the Air!

May is here, and that means – Elections! Of course, here in PA that refers to our Primaries for state & local governments, but for WARC it also means the election of our Executive Board for the upcoming year. This is an important part of the club's procedures, as it confirms the democratic process which the founding members put in place to maintain the longevity of the club. It also gives every member (in good standing) the opportunity to have a voice in the direction the club will head for the forthcoming year. Although that may sound like a lot of bluster and pomp-and-circumstance, it is the backbone of keeping our club healthy, vital, and member-focused. By taking an active part in electing our Board, or volunteering to serve on the Board or one of our committees, you are helping WARC to thrive as a growing, successful club.

May also means another big event: Hamvention!! Known for years as simply "Dayton" (now held in Xenia, OH), Hamvention is the largest gathering of amateur radio operators in the world, drawing attendees from seven continents, and just about every imaginable facet of the hobby. All of the call signs you've committed to memory (W9KNI, OH2BH, K9EID and WB6ACU stand out for me), and every manufacturer of rigs and gear you've ogled in those crisp, new catalogs, make their way to Ohio in May. And the outside flea market area is the stuff of legends! From the greatest deals on those rare pieces of gear, to the characters that make their way thru the aisles – not to mention some stories that will remain "unmentionable" – Hamvention is like every hamfest you've ever attended combined into one, and like no other hamfest you've been to before! How many of you have gone to Hamvention? How many make it an annual pilgrimage, and how many of you have only dreamed of going one year? I've never attended, but definitely fall into the latter category of "someday" dreamers...

At this month's meeting, we'll be laying out our final plans and preparations for the Hamfest/EPA Section Convention, so please try to make some time to pitch in and lend a hand in whatever way you can. With your experience and participation, WARC can make Hamfest 2018 the most successful to date!

The presentation this month is going to be on antennas, given by our own Joe Haranzky AA3JH. Joe's presentations are always informative and entertaining, and accompanied by his real-world experiences with the subject matter. Please stick around for the this insightful, and timely, discussion.

de Tony, W3FLH

73

Minutes WARC General Meeting April 5, 2018

Attendance:

Call to Order

Introductions – pass the mic

Minutes from last Board Meeting

Additions/Corrections - Motion made and approved to accept minutes as written.

Committee Reports

Treasurer's Report: *Herb KB3VMN*

As reported at the meeting

(Continued on page 2)

(Continued from page 1)

Programs: *George KC3ESH*

May – Hamfest Final Prep/Elections – Joe Horanzy AA3JH – Antenna Presentation
June – Hamfest Recap / Field Day Prep/Pizza Night
July – Field Day Recap
August – Radio Sport (Contesting) – Andy KD3RF, Irwin KD3TB, Bill K3FMQ

Membership: *Jacek KC3HXF*

106 members, 45 members still need to pay for a total of 151 members
1 new approved member

Public Service: *George N3HBT*

Warminster Memorial Day Parade, Monday, May 28 – signup sheet available at meeting
Warminster Hole-in-One Golf Outing, Thursday, June 7 – signup sheet available at the May meeting, need 8 or 9 hams for the meeting
Warminster Golf Outing, Columbus Day in October – signup sheet will be available at the September meeting
Have not heard from Sgt. Joe Bambridge for March of Dimes, March for Babies
Michael KB1JEY has cards available for signing up to help with Tour de Cure – June 16 leaving from Delaware Valley University this year

Classes: *George KA3WXV (not in attendance)/Ron WB2OOB*

3 students in Extra class; 2 students in Tech class
General and Tech classes will begin in the fall

VE Testing: *Larry WA3ELQ*

Last Monday in March, we had 5 candidates all successful, 2 upgrades to extra, 2 upgrades to general and 1 new tech
Next session, Monday April 30

Repeater: *Brian N3EXA*

Hilltown working analog or digital – system Fusion shirts are available to those who have Fusion 441.150, with a PL of 88.5 is installed at Abington Hospital; works great and has good coverage
Encourages everyone to get on and use the repeaters

Good and Welfare: *Vince KD3TC*

Sent a few cards out this month
If you know if someone who needs a card, please email Vince

Other Committees

Old Business

Nominating Committee – Nominees are

Director positions – George N3HBT, Larry WA3ELQ

Treasurer – Herb KB3VMN

Secretary – Kathy KC3FBY

Vice President – Jacek KC3HXF

President – George KC3ESH

The floor was opened for other nominees. There were no other nominees, so a motion was made and approved to close nominations. Electronic balloting will be sent out and will be open until the night before the next meeting. Paper balloting will be available at the May membership meeting.

Thank you to Irwin KD3TB and Bill K3FMQ for their work on getting nominees

Fox Hunt/Kit Building (Bill K3WWE / Ron WB2OOB) – Ron WB2OOB demonstrated the radio direction finding antenna kit that will be built. Trying to find a place to build the kit. We will be in touch with those interested once

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(Continued from page 2)

we have a location.

Facebook/Yahoo Group (Tony W3FLH) – Facebook page is an informational page for the club to supply information to the club, use the Yahoo Group to communicate with club members.

Ockanickon BSA Station (Steve WW3Y) – no update, no funding has come through yet. Planning on doing a radio merit badge course over the summer, possibility of a weekend in the fall, winter and spring.

Hamfest & EPA Section Convention (Michael W3MAS) – Hamfest in Sunday, May 6. Setup on Saturday afternoon. Michael has a box of flyers and postcards to hand out. 1,500 postcards were sent out. We took all the ticket stubs from the past 2 years and created a mailing list and used mailing labels from ARRL from last year and sent these cards out. Irwin has created an email to sent out to 90 clubs in the area with. Cory Sickles WA3, Joe Taylor and 3rd speaker from ARRL are speakers. Joe Taylor's presentation will be audio recorded. Web page is up with all the information. We are in good shape with vendors. Signup sheets for all positions are available tonight at the meeting. Slacks will be available again this year.

New Business

W3P Special Event (Jacek KC3HXF) – Saturday & Sunday, May 26-27, 11am-5pm, Shrine of Czestochowa. A Polish History Fair, we have a special event call sign W3P and will be operating on 20 meters. Signup sheet is available this evening. We were asked if we were interested in a table to display old radios. Keep your eyes on WARC Talk for more information as it becomes available.

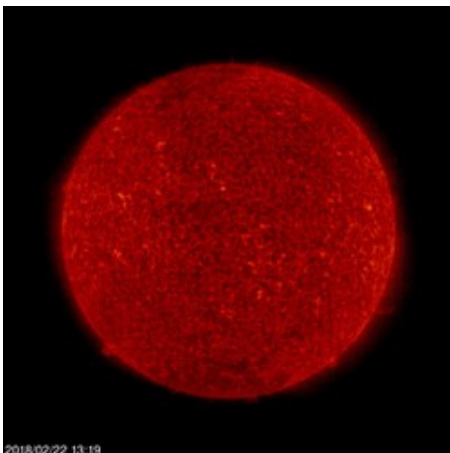
Field Day (Doc W3GAD) – 4th weekend in June 23 & 24. Great exercise in getting stations setup quickly. 40 meters, 20 meters, 10 meters and VHF are already committed. Next month there will be signup sheets available.

Motion to Adjourn

Motion made and approved to adjourn at 8:44pm

Presentation: "Stump the Chumps" w/Uncle Andy & Brother Irwin

The K7RA Solar Update



Tad Cook, K7RA, Seattle, reports: Solar activity increased over the past week, with average daily sunspot numbers up from 5.4 to 20, and average daily solar flux rallying from 69.9 to 73.4. The previous week saw 4 days with no sunspots, but this week had sunspots on every day. New sunspot groups emerged on April 19 and 21.

Predicted solar flux is 71 on April 26-29; 70 on April 30-May 16; 75 on May 17-29, and 70 on May 30-June 9.

Predicted planetary A index is 8 and 12 on April 26-27; 5 on April 28-May 1; 8 on May 2; 5 on May 3-5; 10, 15, 12, 10, and 8 on May 6-10; 5 on May 11-16; 42, 12, and 8 on May 17-19; 5 on May 20-22; 8 and 12 on May 23-24; 5 on May 25-June 1; 10, 15, 12, 10, and 8 on June 2-6, and 5 on June 7-9.

Sunspot numbers for April 19-25 were 14, 14, 34, 20, 22, 19, and 17, with a mean of 20. The 10.7-centimeter flux was 70.8, 73, 76.8, 75.7, 73.9, 72.9, and 70.8, with a mean of 73.4. Estimated planetary A indices were 3, 47, 12, 5, 6, 5, and 5, with a mean of 11.9. Estimated mid-latitude A indices were 2, 29, 10, 5, 6, 4, and 4, with a mean of 8.6.

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

Courtesy of the ARRL Newsletter

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(Continued from page 3)

DX

Starting this month (April), Philip Gairson, N7NVK, will begin working on Wake Island, which is in grid RK39 for those participating in the 2018 ARRL International Grid Chase (IGC <<http://www.arrl.org/international-grid-chase-2018>>). His schedule calls for 3 months on the island, and then 1 month off -- a pattern that will repeat over the course of about a year. Wake is 12 hours ahead of UTC. Gairson does not yet know what days or times he will be on the air, but he plans to post his availability on his QRZ.com profile page <<https://www.qrz.com/db/KH9/N7NVK>> and notify ARRL to include it in its DX bulletin. Contacting him could prove challenging. He's taking along an Elecraft KX3 along with a G5RV or Buddipole for an antenna, running low power. He will operate split, and he asks for patience because he's not used to being the focus of a pileup. Internet connectivity on Wake will be limited, but he plans to use LoTW. -- Thanks to The Daily DX <<http://www.dailydx.com/>>

GR9RW will be the call sign for a Royal Wedding special event operation. To celebrate the marriage of Great Britain's Prince Harry to American actress Meghan Markle, special event call sign GR9RW will be on the air May 19 - 23. It's believed that this will mark the first use of a GR9 call sign prefix in the UK. The royal wedding <<https://www.royal.uk/royal-wedding-2018>> will take place on May 19 at St. George's Chapel in England's Windsor Castle. Members of the Cray Valley Radio Society (CVRS <<http://www.cvrs.org/>>) will operate GR9RW from their club station in Eltham. GR9RW will primarily use SSB and CW, with the addition of FM on VHF and UHF. Two HF stations and one VHF station will cover all bands from 80 meters to 70 centimeters. A commemorative QSL card is available upon request.

Courtesy of the ARRL Newsletter

ISS

Two radio amateurs are now on the International Space Station. With the addition of three new crew members, the International Space Station now has a full complement of six. Astronauts Ricky Arnold, KE5DAU, and Drew Feustel, and cosmonaut Oleg Artemyev headed into space on March 21 aboard a Soyuz MS-08 vehicle, launched from Kazakhstan. The new ISS residents were welcomed as part of the Expedition 55 crew by station commander Anton Shkaplerov and crew -- Scott Tingle, KG5NZA, and Norishige Kanai. During his time in space, Arnold, a former educator, will wrap up NASA's Year of Education on Station, an initiative to engage students and educators in human spaceflight and science, technology, engineering, and math (STEM) careers. Arnold and Tingle will share Amateur Radio on the International Space Station (ARISS <<http://www.ariss.org/>>) contacts with schools during April.

Courtesy of the ARRL Newsletter

MORE-FREQUENT SPOTLESS DAYS SIGNAL START OF LENGTHY, DEEP SOLAR MINIMUM PHASE

The sunspot numbers have not been good, and it does not seem they'll be getting much better anytime soon. According to the April 12 "K7RA Solar Update," no sunspots were seen over the April 5 - 11 reporting week. Solar flux has been sitting in the 60s lately and is forecast to remain at that level for the next 45 days. We're not at solar minimum yet, though; better days lie ahead -- eventually.

Top contester Frank Donovan, W3LPL, asserts that solar precursors like spotless days, which correlate physical solar phenomena with future solar activity levels, are much better indicators of progress toward a solar minimum -- a broad phase of the solar cycle -- than of a specific event, such as the bottom of a broad solar minimum. Not only that, these and other solar precursors are useful in predicting the likely strength of Solar Cycle 25, although accurate predictions of the strength and timeframe of the Cycle 25 solar maximum aren't possible until the new sunspot cycle is under way.

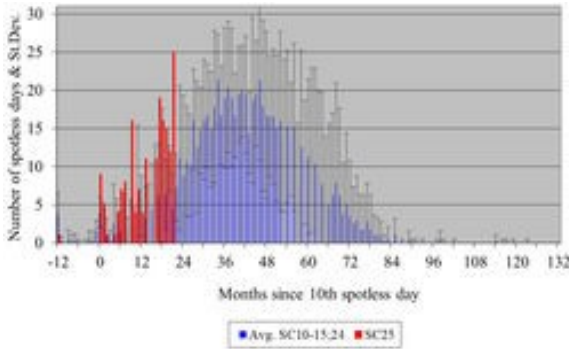
"We entered the Cycle 24 solar minimum with the onset of 8 spotless days in June 2016," Donovan pointed out. "We had only 32 spotless days in 2016. We had 15 spotless days in a row in March 2017, followed by relatively infrequent spotless days for the next 7 months."

The frequency of spotless days accelerated in early November 2017, with 13 spotless days in a row. That was followed by many more spotless days over the next 5 months. In all, 2017 experienced 104 spotless days.

"The frequency of spotless days accelerated again last month, when we had 25 spotless days," Donovan noted. "We've already had 54 spotless days during the first quarter of 2018. This data and comparisons to frequent spotless days during the last solar minimum suggests that we may have just begun a period of very frequent spotless days for approximately the next 2 years, similar to the period of September 2007 through January 2009."

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Donovan said the next solar precursor is frequent extended periods of spotless days. For example, 2016 saw 14 spotless days in a row, March 2017 had 15, November 2017 saw 13, and early March experienced 14.



This chart shows the number of spotless days -- in red -- since the 10th spotless day of the onset of solar minimum in July 2016. In blue are the average numbers of sunspot days during sunspot minimums following weak sunspot cycles similar to Solar Cycle 24.

"Long periods of spotless days will become even more frequent as we go deeper into solar minimum," Donovan predicted. Once extended periods of spotless days become more frequent, another solar precursor will become important, he said.

"New high-latitude, opposite-polarity Cycle 25 sunspots will then begin to appear more frequently, perhaps by late next year," Donovan said. "More frequent Cycle 25 sunspots will signal that we're approaching the bottom of the [Cycle 24] solar minimum phase."

An ongoing solar precursor that could herald the future strength of Cycle 25 is the intensity of the solar polar magnetic fields prior to the Cycle 24 solar minimum, Donovan said. "The good news is that the solar polar magnetic field strength is already slightly stronger than it was prior to the last solar minimum," he said. "This suggests that Cycle 25 will be somewhat stronger than Cycle 24."

Donovan said if the long periods of spotless days end in about 1 year, that will be a precursor of a stronger Cycle 25. If they take more than 2 years to end, however, it will portend a weaker Cycle 25. Read more <<http://www.arrl.org/news/more-frequent-spotless-days-now-can-signal-solar-activity-in-the-future-top-contester-says>>.

Courtesy of the ARRL Newsletter

HAMS ON DOMINICA CONDUCT "PREPAREDNESS" FIELD DAY IN ADVANCE OF HURRICANE SEASON

Members of the Dominica Amateur Radio Club Incorporated (DARCI) held a second Field Day-style emergency preparedness, awareness, and recruiting exercise on April 21. Radio amateurs on the Caribbean island are continuing the process of taking on a larger role in emergency preparedness and response for the Atlantic Hurricane Season, which begins June 1.

Dominica suffered severe damage from Hurricane Maria last September, and, using their remaining resources in the storm's aftermath, radio amateurs there played a leading role in establishing communication links and providing necessary information to the public. Brian Machesney, K1LI, is among those assisting Dominica's Amateur Radio community in forming a stronger position for response to future emergencies that may affect the small island nation. The Yasme Foundation <<http://www.yasme.org/>>, Yaesu <<http://www.yaesu.com/>>, the Foundation for Amateur International Radio Service (FAIRS <<https://fairs.org/home/>>), the CDAC Network <<http://www.cdacnetwork.org/>>, and GoFundMe <https://www.gofundme.com/hurricane-maria-dominica-ham-radio> contributors have donated equipment, provided material support, or delivered training.



One of the emergency exercise "field day" sites.

"The purpose of the field day was to exercise our state of preparedness, expose the novice class and students to a field day, get hands-on experience in setting up equipment, and make contact with the other field day stations," said Roger Blanchard, J73MBQ, of DARCI, in a post <<http://cewn.org/j7-darci-field-day/>> on the Caribbean Emergency and Weather Net (CEWN) website. DARCI blanketed the country, hosting some 150 visitors of all ages at stations set up at the J73Z club site in Canefield, the Botanical Gardens and Police Headquarters in the capital of Roseau, and at high-visibility sites in Grand Bay, Goodwill, Castle Bruce, Portsmouth, Salisbury, and Capuchin. The 6-hour exercise involved an exchange of communications among all participating stations on 75 and 40 meters, as well as on VHF and UHF.

"We also had good communications with Trinidad, Barbados, Martinique, Saint Lucia, and Anguilla," Blanchard said. "The students were exposed to all the various modes of communication we can use as hams [and] made contact with other Amateur Radio operators." DARCI said the purpose of the Field Day-style exercise "was achieved with good attendance and lots of fun." Overall, 16 radio amateurs on

Dominica took part in the exercise, chaired by John Mitchel, J73MH.

Following last year's storms, the Dominican government has been working to establish a stronger partnership with DARCI with the goal of ensuring that future disaster communication is not entirely dependent on commercial telecommunication providers. Machesney and his wife, Michelle, are planning to get additional complete Amateur Radio stations where they are needed on Dominica.



"With the next storm season just over the horizon, the government of Dominica seems to be responding to recommendations made by non-governmental organizations (NGOs) that worked on the ground after Hurricane Maria," Machesney said earlier this month. "Despite continuing challenges with commercial power and telecommunication services on Dominica, we have been able to establish somewhat regular channels with people we know in-country and have helped kindle training and equipping programs in several outlying areas."

Brian Machesney, K1LI, ferried Amateur Radio gear and supplies to Dominica last fall by air.

Amateur Radio on Dominica is not new -- DARCI celebrated its 55th anniversary last fall -- and radio amateurs have always pitched in to provide emergency communication. The Dominican government wants to tighten up its relationship with DARCI to establish a plan that would include trained radio amateurs being strategically located within governmental organizations, hospitals, and elsewhere.

"DARCI has embarked on an ambitious recruiting drive to be sure there are hams in every corner of the country," Machesney told ARRL. He's also hoping to get hams on Dominica and elsewhere in the Caribbean Basin more involved in ARRL Field Day, June 23 - 24.

Courtesy of the ARRL Newsletter

SECOND PUBLIC TEST OF FT8 DXPEDITION MODE DEMONSTRATES HIGH CONTACT RATES POSSIBLE



The second public test of FT8 DXpedition Mode has shown that the mock DXpedition stations ("Foxes") were able to work the pileups of callers ("Hounds") at a fairly good clip. Logged data showed that 390 unique stations were copied by one or more of the three Foxes. FT8 is part of the WSJT-X <https://physics.princeton.edu/pulsar/k1jt/wsjt.html> digital software suite. Ned Stearns, AA7A, the operator at W7/KH7Z, learned to manage queues of calling stations much more effectively as his hour progressed, according to co-developer Joe Taylor, K1JT.

"After a program restart at 1532 UTC, he worked 105 additional stations at a rate of 225 per hour during the remaining part of the hour,"

Taylor reported. "Slowly but surely, we are optimizing the software and improving our 'FoxOp' skills. Further progress will definitely be possible!"

Taylor also released a list http://www.arrl.org/files/media/News/FT8%20DXpedition%20Mode%20nd%20test%20logged_calls.txt of stations heard and worked during the second public test of the still-beta FT8 DXpedition Mode protocol. It showed that W1/KH7Z logged 61 stations in 36 minutes for a rate of 102 per hour; K1JT logged 55 stations in 21 minutes for a 157 per hour rate, and W7/KH7Z worked 174 stations in 60 minutes, a rate of 174 per hour.

Stearns told ARRL that FT8 DXpedition Mode is nearing general release, but he expects another public test. "The development team has identified a few of the defects that were uncovered in the test on April 7 and is currently working on the fixes," he said.

Taylor's March presentation on WSJT-X <<http://www.microhams.com/2018/03/28/edited-k1jt-talk-on-wsjt-x/>> at the MicroHAMS Digital Conference has been posted on YouTube. Taylor has credited the "very professional" editing by Budd Churchward, WB7FHC.

Courtesy of the ARRL Newsletter

CLUB INFO

PUBLIC SERVICE

Warminster Memorial Day Parade
 Greater BucksMont Chamber Golf Outing – Thurs., June 7, 2018 @ 9:00 am
 Warminster Day, June 9th
 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

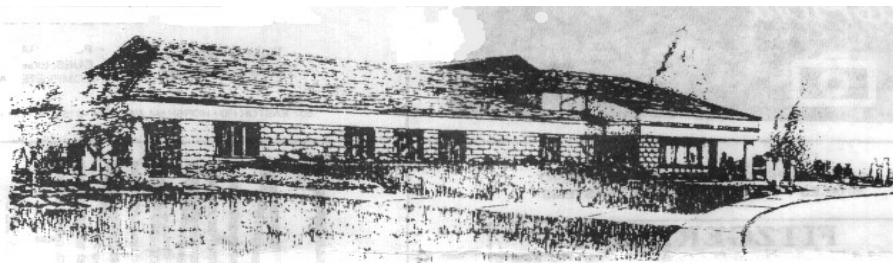
May – Hamfest Prep (final); Elections; Antennas w/Joe AA3JH

June – Hamfest Recap/Field Day Prep /Pizza Night

July – Field Day Recap

August – Radio Sport (Contesting) – Andy KD3RF, Irwin KD3TB, Bill K3FMQ

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

June

- 9-11** June VHF 1800 UTC Saturday, runs through 0259 UTC Monday
16 Kid's Day 1800 UTC through 2359 UTC
23-24 Field Day

July

- 14-15** [IARU HF World Championship](#) 1200 UTC Saturday and ending 1159 UTC Sunday

August

- 4-5** [222 MHz and Up Distance Contest](#) 1800 UTC Saturday and ending at 1800 UTC Sunday
18-19 [10 GHz & Up – Round 1](#) 6:00 AM local Saturday though 12:00 midnight local Sunday
19 [Rookie Roundup – RTTY](#) 1800 UTC through 2359 UTC

QSO Parties

- | | |
|-------------|---|
| Indiana | 1500Z, May 5 to 0300Z, May 6 |
| Delaware | 1700Z, May 5 to 2359Z, May 6 |
| New England | 2000Z, May 5 to 0500Z, May 6 and 1300Z-2400Z, May 6 |
| Arkansas | 1400Z, May 12 to 0200Z, May 13 |

V.E. TEST LOCATIONS

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

May 6 - Eastern Pennsylvania Section Convention
 Bucks County Community College - Lower Bucks Campus 1304 Veteran's Highway (Rte. 413)
 Bristol, PA 19007
<http://www.k3dn.org>

May 27 - Memorial Day Hamfest
 Howard County Fairgrounds 2210 Fairgrounds Road West
 Friendship, MD 21794
<http://www.marylandfm.org>

June 9 - 28th Annual Bloomsburg Hamfest
 Lime Ridge Community Center 6405 4th Street Lime Ridge, PA
<http://www.qsl.net/cm-arc/hamfest.htm>

June 17 - Father's Day Hamfest
 Arcadia Volunteer Fire Company Carnival Grounds
 16020 Carnival Avenue Upperco, MD 21155
<http://www.w3ft.com>

June 30 - Harrisburg Radio Amateurs' Club Firecracker Hamfest
 Harrisburg Area Community College 3599 Industrial Road Harrisburg, PA 17101
<http://www.w3uu.org>

SKYWARN INFORMATION

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

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

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

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

➤ **CLUB EQUIPMENT**

WARC has 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

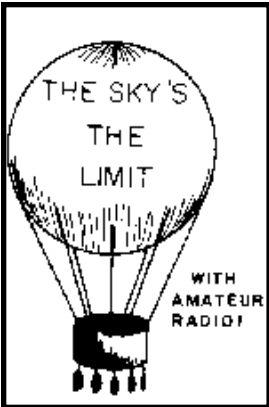
6 Mtr

- 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 ?

2018 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	KC3HFX	215-343-1899
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