



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

December 2018

Next Meeting December 6th - Holiday Dinner

President's Message

The awarding of the Outstanding Ham of the Year at the club dinner is upcoming and it got me thinking that I wish we could pass out more awards. There are so many club members that work behind the scenes that we forget to mention the work that they do. Without them this club would not be the great organization that it is, so I am going to try to thank them now. The trouble with doing this is that I will probably forget to mention someone who deserves it. My apologies in advance if this happens, it doesn't mean your work is not appreciated, just that my old brain doesn't work the way it used to.

I would like to send a tip of the hat to the following: Bill Ballantine-K3FMQ, Andy Vavra-KD3RF, And Irwin Darack-KD3TB, for all their help getting hams on the air. Jim Elmore-WA4YWM, for all his work on the Club newsletter. Laura Floyd-KC3GWL, on showing this isn't just a hobby for a bunch of old guys. George Brechmann-N3HBT, for all his work on the nets, public service work and opening the building for our use. George Altemus-KA3WXV and Ron Small-WB2OOB for teaching the classes. Brian-N3EXA for all his work on the club repeater system. Our VE Team led by Larry Abbott- WA3ELQ for all the time and effort they put in to running the testing sessions. Al Konschak-WI3Z for working on the club website. Eric Donofrio-N3YNX for selling the raffle tickets and Brandon Penglase-N3UO for always having our refreshments ready at our membership meetings. To all the members who just pitch in to lend a hand without having to be asked, thank you. Kathy Acker-KC3FBY for editing the president's message and helping with the club website and basically being my go-to person when I need a hand. Her husband is one lucky guy!

The holidays are a great time of the year to celebrate with family and friends. May you have a great time during this season. From the Acker Family to yours may the joy of the Holidays bring you much happiness.

And lastly a quick reminder. The Santa Net is on 3916 Mhz starting at 7:30 pm central time. Let your kids or grandkids talk to Santa every night from November 23rd to December 24th. For more information visit tailgatersnet.com

73 George, KC3ESH
KC3ESH@outlook.com

FOR SALE

Nine (9) aluminum military mast sections sold by the MAST COMPANY, high quality aluminum, each section about 3.75 feet once overlapped on each other for a total height of approximately 34 feet. Brand new in shipping carton. I can bring them to one of the meetings if you are interested. Contact, Bob, K3SRO at dlrwild1@verizon.net

267-535-9189 cell ASKING: \$110 cash or check

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
_donaldrector1932@yahoo.com

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Minutes WARC General Meeting November 1, 2018

Attendance:

Call to Order George KC3ESH

Introductions—pass mic

Minutes from last Meeting

Additions/Corrections – Motion made and accepted to approve the minutes as written

Committee Reports

Treasurer's Report: *Herb KB3VMN*

As reported at the meeting

Programs: *Jacek KC3HXF*

December – Holiday Dinner

January – Stump the Chumps

February – Club Auction

March – 3D Printing w/ Dean KC3JXT

Membership: *Norm AB3ZZ*

130 members, 1 new application

Public Service: *George N3HBT*

No further public service events for the rest of the year

Thank you to all club members who helped with all public service events this past year.

Classes: *George KA3WXV/Ron WB2OOB*

Tech class had no students

General class has 2 students – Ron who is a student in the class attended the meeting this evening – explained his interest and history in ham radio. It's not just classes that help it's the variety of interests within the club and plenty of Elmers who are willing to help out.

VEC Testing: *Larry WA3ELQ*

George KC3ESH took over 4 candidates 3 upgrade to general and 1 tech

Next exam will be on November 26 and will need to decide on the December date

Repeater: *Brian N3EXA*

All is functioning.

Brian has cards with club information and frequencies.

Good and Welfare: *Vince KD3TC*

Not in attendance

Other Committees

Hamfest – Michael WA3MAS – May 5, 2019. Tony W3FLH has agreed to be a co-chair for the Hamfest this year and will become chair in 2020

Radio Sport – Irwin KD3TB reported that the CQ Worldwide was a great contest this past weekend.

ARRL CW Sweepstakes is this weekend. Work all US and Canadian ARRL sections.

2 weeks from now is the same sweepstakes but voice bands

Thanksgiving weekend CW Worldwide object is to work as many zones, countries as you can. This contest is similar to the contest that ran this past weekend.

In December there will be 10-meter and 160-meter contests.

Old Business

Holiday Dinner – 6:30pm start time, see Kathy KC3FBY or club website for payment

Union League Special Event – Saturday and Sunday 11/9-10/2019. Antenna up on Friday night work on Saturday and Sunday.

Continuing Education – Looking at having an Elmer Coordinator to help make connections with new people in the hobby with an Elmer.

New Business

Constitution Review 2019 – Larry WA3ELQ and Tony W3FLH. If you are interested in helping on this committee, please let one of them know.

Ben Wilson Senior Center – The center has requested that no one sit behind the front counter.

Motion to Adjourn

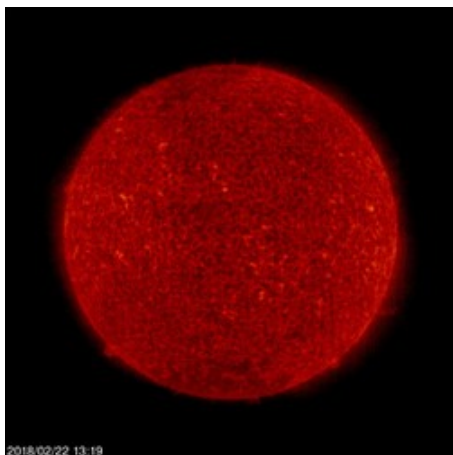
ARRL Night - George Miller, W3GWM, EPA Section Manager via Skype

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The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: At 2335 UTC on November 28 the Australian Space Forecast Centre issued a geomagnetic disturbance warning for December 1: "The effect of a high-speed solar wind stream from a large and recurrent coronal hole may raise the geomagnetic activity to minor storm levels on December 1 and 2."



Sunspots appeared on just 2 days of the reporting week, the weekend of November 24 - 25, with sunspot numbers of 14 and 15. The average daily sunspot number, compared to the previous 7 days, declined from 9.4 to 4.1, while the average daily solar flux dipped from 70.8 to 68.9.

It seems odd, but both the average daily planetary and mid-latitude A index remained the same as last week's numbers, 3.3 and 2.1.

Predicted solar flux for the next 45 days is 68 on November 29 - December 12; 70 on December 13 - 27; 68 on December 28 - January 8, and 70 on January 9 - 12.

Predicted planetary A index is 5 on November 29 - 30; 24, 18, 12, and 10 on December 1 - 4; 8 on December 5 - 6; 12, 12, and 8 on December 7 - 9; 5 on December 10 - 16; 8 on December 17 - 18; 5 on December 19 - 22; 8 on December 23 - 24; 5 on December 25 - 27; 16 and 24 on December 28 - 29; 10 on December 30 - 31; 8 on January 1 - 2; 12 on January 3 - 4; 8 on January 5, and 5 on January 6 - 12.

Sunspot numbers for November 22 - 28 were 0, 0, 14, 15, 0, 0, and 0, with a mean of 9.4. The 10.7-centimeter flux was 69.2, 69.2, 70, 69.6, 68.6, 68.4, and 67.5, with a mean of 70.8. Estimated planetary A indices were 3, 3, 4, 3, 2, 5, and 3, with a mean of 3.3. Estimated mid-latitude A indices were 1, 1, 2, 3, 2, 4, and 2, with a mean of 2.1.

Share <k7ra@arrl.net> your reports and observations.

Courtesy of the ARRL Newsletter

NEW WSJT-X 2.0-RC5 BETA VERSION NOW AVAILABLE, FIRST "SERIOUS" FT8 CONTEST THIS WEEKEND,



Joe Taylor, K1JT. [Larry Bilansky, photo]

A fifth "candidate release" -- or beta version -- of WSJT-X 2.0 now is available for download and use by beta testers. WSJT-X Developer Joe Taylor, K1JT, says WSJT-X 2.0-rc5 is stable, works well, and fixes known problems in RC4, the most-recent beta version released in mid-November. A new FT8-only contest is set for this weekend.

"It is likely that the General Availability (GA) release of WSJT-X 2.0, scheduled for 2 weeks from today, will be nearly identical to RC5," Taylor said this week.

The first "serious" FT8 contest -- the FT8 Roundup <<https://www.rttycontesting.com/ft8-roundup/>> -- is set for the

December 1 - 2 weekend. In the brand-new operating event, radio amateurs worldwide will contact and exchange information with other amateurs using FT8 on 80, 40, 20, 15, and 10 meters. Any station may work any other station. The exchange is signal report and state/province for US and Canadian participants. Non-US/VE stations will transmit a signal report and consecutive serial number starting with 001.

Taylor also noted that the ARRL RTTY Roundup <<http://www.arrl.org/rtty-roundup>> on January 5 - 6 will, for the first time, permit the use of FT8 as well as traditional RTTY.

Changes in RC5 relative to RC4 include correcting the "worked before" logic for color highlighting, removing the 5-minute mouse timer, displaying and logging in UTC for contests, improving the layout of Working Frequencies and Station Information tables, and allowing deletes and edits in Fox and Contest log windows.

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"You may need to invoke Settings | General | Colors | Reset Highlighting on your first program start with this version," Taylor said. The Quick-Start Guide to WSJT-X 2.0 http://physics.princeton.edu/pulsar/k1jt/Quick_Start_WSJT-X_2.0.pdf has again been updated to reflect the changes.

The Development Group recommends using RC5 in the conventional FT8 subbands at audio transmit frequencies of 2,000 Hz and higher. The latest beta versions are not backward compatible. Users of version 1.9.1 and earlier will be unable to decode RC4 and later transmissions, and vice-versa, Taylor pointed out.

"As more users upgrade their software to WSJT-X 2.0 -- and particularly after the General Availability release on December 10 -- the new protocol should start to dominate the conventional FT8 subbands," Taylor said. "As soon as possible after December 10, everyone should upgrade to WSJT-X 2.0." Read more <<http://www.arrl.org/news/new-wsjt-x-2-0-rc5-beta-version-now-available-first-serious-ft8-contest-this-weekend>>.

Courtesy of the ARRL Newsletter

WA4YWM HAS A NEW RADIO AND ANTENNA

During November I built my Elecraft K3S and P3 Panadapter. I went on the air about 2 weeks ago receiving glowing reports. What a rig! Receive and transmit audio are excellent and getting on all the digital modes is trivial due to the built in CODEC and USB connection. In the photo below you can see the K3S and P3. Above them is my Softrock/MOBO SDR with its Hardrock 50 amp.

Then, it was time to get back on 6 meters especially since I now have a great 6 meter rig. I put up the 3 element Yagi in the photo. The antenna is actually a re-use and reduction of a 6 element Yagi I built when I first got on the air 53 years ago. I also got great reports when I got on the Packrats' 6 meter net last Monday.



Thanks go to George, KA3WXV; Michael, KB1JEY; Bill, K3ZMA for help in getting the Yagi up. I couldn't have done it without them.



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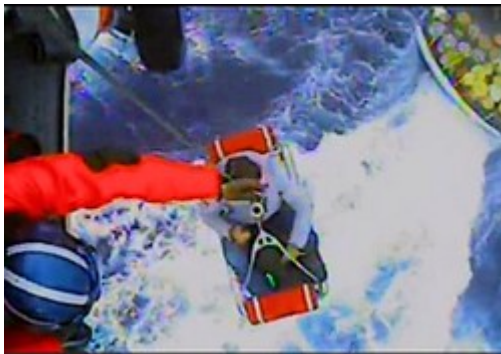
Maritime Mobile Service Network Operators Assist Vessel with Ill Crew Member

Amateur Radio operators associated with the Maritime Mobile Service Network ([MMSN](#)) played a significant part in summoning medical assistance on November 9 for a crew member suffering chest pains on board the 48-foot sailing vessel *Marie Elena*, some 300 miles east of Bermuda.

"The assistance we received from the ham radio operator[s] was crucial in helping us communicate with the vessel's crew," US Coast Guard Petty Officer 1st Travis Unser said afterward. Unser was the search-and-rescue coordinator for the incident.

MMSN member Donald Plunkett, VA6FH, heard a call for medical assistance at 1650 UTC on the net's 14.300 MHz frequency from Nick Cancro, KC2WRH, the captain of the *Marie Elena*.

Cancro reported that a crew member was experiencing severe chest pains and needed medical assistance. Fellow MMSN operator Fred Moore, W3ZU, of Inverness, Florida, had good propagation with the *Marie Elena* and contacted the vessel, linking it via a phone patch to the US Coast Guard Station in Norfolk, Virginia. The Coast Guard was able to connect the patient directly to medical personnel via the phone patch to ascertain symptoms and prescribe first aid measures prior to medical assistance arrival. Moore arranged with the *Marie Elena* to contact him at the bottom of the hour throughout the night and to call immediately if the patient's condition worsened. The US Air Force also came on frequency at the Coast Guard's request to evaluate the situation and see if it could assist.



The ailing crewman is lifted from the deck of the USCG cutter Spencer into a MedEvac helicopter. [USCG video]

Due to the sailboat's distance offshore, the Coast Guard directed the captain to head toward Cape Hatteras, North Carolina. The Coast Guard then redirected the cutter *Spencer*, under way near the Virginia-North Carolina border, toward the *Marie Elena*. The *Spencer* rendezvoused with the sailboat at about 1230 UTC on 11/10/18, launching a small boat crew and transporting the man aboard the cutter. A short time later, a helicopter crew was able to hoist the man aboard from the *Spencer* and transport him to a hospital in Norfolk. Moore was assisted by a relay station Mark Strothmann Sr., KC9YRX, in Wisconsin, who provided much-needed information throughout the incident. Additional MMSN members pitched in as well.

"This was a true team effort, and I am proud of the members of this organization who train for just this type of event. They performed in an exemplary fashion," said MMSN Manager Jeff Savasta, KB4JKL.

The Coast Guard [noted](#) that the *Marie Elena* has activated a Personal Locator Beacon and an Emergency Position Indicating Radio Beacon (EPIRB), permitting rescue personnel to hone in on the vessel's precise location.

Courtesy of the ARRL Newsletter

ARRL SAYS WIRELESS POWER TRANSFER FOR ELECTRIC VEHICLES PETITION IS PREMATURE

ARRL is opposing a Petition for Rulemaking (RM-11815 <<https://ecfsapi.fcc.gov/file/1090576720580/Wireless%20Charging%20Petition%20for%20RM.pdf>>) by several vehicle manufacturers that calls on the FCC to "adopt field strength limits in Section 18.305 that will allow higher-power wireless charging technologies operating in the 79 - 90 kHz range" to accommodate what the petitioners call "next-generation" wireless power transfer for electric vehicles (WPT-EV). Comments <https://ecfsapi.fcc.gov/file/102984871787/Comments%20re%20RM-11815%20C%20WPT-EV%202018%20FINAL%20FOR%20FILING.pdf> filed on October 29 by ARRL contend that the petition is "woefully incomplete and inadequate" in its analysis of consequent out-of-band emissions from WPT-EV systems in the low- and medium-frequency ranges using upward of 11 kW of power. Given the high power levels, ARRL said harmonic emissions from WPT-EV systems could be appreciable, with the AM Broadcast Band and Amateur Radio as potential interference victims. "Interference potential from intentional radiators requires substantial evaluation," ARRL asserted in its remarks.

The issue of WPT-EV is a World Radiocommunication Conference 2019 (WRC-19) agenda item, for which studies are still under way. The Petition "quite obviously prejudges the outcome of WRC-19 Agenda Item 9.1.6," ARRL said, stressing that the Petition is simply premature at this point.

"The Petition is typical [of those that] tout a new application of old technology," ARRL commented. "So as to establish a sense of

urgency, the bulk of the Petition is dedicated to establishing a public interest justification for making a rule change now, in order to accommodate the technology."

The Petition seeks a specific field strength limit of 74.4 dBμA/meter (at a distance of 10 meters), regardless of the charging system's operating environment. That works out to about 2.07 V per meter (at 10 meters) or 126 dBμV -- 126 dB above 1 μV. The Petition presumes that the optimum internationally harmonized frequency range for WPT-EV is already known to be 79 - 90 kHz and that the optimum field strength to minimize any impact on radiocommunication services has been established, ARRL commented.

"The problem, however, is that there is nothing in the four corners of the Petition that would justify those assumptions," ARRL told the FCC. ARRL said the rollout of WPT-EV "has profound implications in terms of its ubiquity in future years," and called on the Commission to deny the petition without prejudice or dismiss it altogether.

"Quite clearly, the petitioners have 'jumped the gun' by filing this Petition now," ARRL concluded. Read more <<http://www.arrl.org/news/arrl-says-manufacturers-wireless-power-transfer-for-electric-vehicles-petition-is-premature>>.

Courtesy of the ARRL Newsletter

Santa's Radio Club Special Event Set for December 1 - 8. The annual Santa's Radio Club Special Event <<https://oh9s.fi/>> from 200 kilometers above the Arctic Circle will be on the air December 1 - 8 as OH9S (OH9Santa). Activity will be mainly on 160 - 6 meters using all modes, including FT8. QSL via Club Log's OQRS (preferred) or LoTW. Contacts will be automatically confirmed via the bureau. Operating from Finnish Lapland, OH9S will not employ any remote stations and will let propagation decide when and where contacts are possible, the announcement <<https://fb.me/oh9santa>> said, adding, "This is the most northernmost Santa station in Finland." Multiple stations will be on the air. Due to anticipated poor radio conditions, OH9S will focus activity on FT8.

Courtesy of the ARRL Newsletter

Extreme high-altitude winds this week postponed the Fox-1Cliff Launch. SpaceX announced that the SSO-A SmallSat Express mission scheduled to launch on Wednesday, November 28, was postponed due to extreme high-altitude winds at Vandenberg Air Force Base. AMSAT has announced that the new launch date would be Sunday, December 2, at 1832 UTC. The SSO-A mission will carry several Amateur Radio satellites in addition to AMSAT's Fox-1Cliff. The others include FUNcube on ESEO, JY1-SAT, K2SAT, and ExseedSat. -- Thanks to AMSAT News Service

Courtesy of the ARRL Newsletter

JK Antennas <<https://jkantennas.com/index.html>>' Ken Garg, W3JK, has donated a second model JK402T <https://jkantennas.com/jk402t.html> antenna to Maxim Memorial Station W1AW. The antenna is a two-element Yagi on a 22-foot boom with capacitive loading. The JK402T replaces the old Cushcraft XM-240 40-meter Yagi that had been used for visitor operations. The donation included a new balun, donated via W3JK by Balun Designs LLC <<https://www.balundesigns.com/>>. The new antenna went up on the tower on October 30. "W1AW extends heartfelt thanks to Ken Garg, W3JK, for a second donation to W1AW," W1AW Station Manager Joe Carcia, NJ1Q, said. "Located at approximately 130 feet above ground, the new JK402T exhibits a nearly flat SWR across the entire 40-meter band. W1AW guest operators who may be active on 40 meters with this antenna should see improved performance over the old one, which was showing signs of aging."

Courtesy of the ARRL Newsletter

Key and paddle maker Palm Radio is going out of business. Proprietor Dieter Engels, DJ6TE, announced <<https://ibb.co/fUPeD0>> on the company's website, "For health reasons and after the passing of Brunhilde, DK7SN; Uli, DL2BAT, and Klaus, DL9SKE, I am not able to continue Palm Radio in its current form," Engels wrote. "I will only deliver remaining stock," and he invited inquiries via email <dieter@palm-radio.de>. Marshall Emm, N1FN, of Morse Express -- a carrier of Palm Radio products -- said that Engels "has been unwell for some time," but added that Morse Express would continue to service them for as long as it can. Palm Radio products have been popular among portable operators.

Courtesy of the ARRL Newsletter



Researchers at Oak Ridge National Laboratory test a wireless power transfer charger on a fully electric vehicle. [US Department of Energy photo]

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 2018-2019

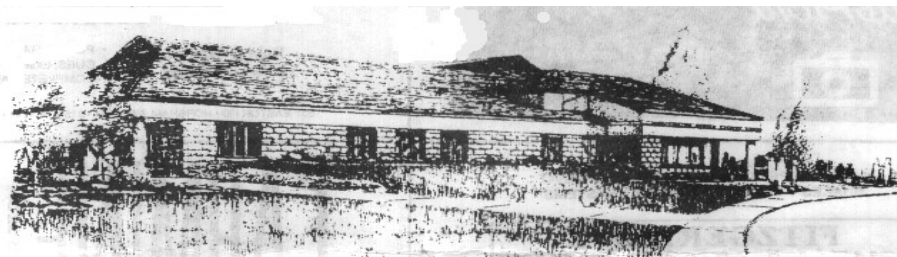
December – Holiday Party

January – Stump the Chumps

February – Club Auction

March – 3D Printing w/ Dean KC3JXT

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 - 2019 Contest Calendar

December

8-9 10 Meter

Starts 0000 UTC Saturday; runs through 2359 UTC Sunday

16 Rookie Roundup-CW

1800 UTC through 2359 UTC.

January

1 Straight Key Night:

0000 UTC - 2359 UTC

5-6 RTTY Roundup

1800 UTC Saturday through 2359 UTC Sunday

March

2-3 International DX- Phone

Starts 0000 UTC Saturday; ends 2359 UTC Sunday

April

14 Rookie Roundup - Phone

1800 UTC through 2359 UTC

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@arrrl.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@arrrl.net
Alt Contact: Jim, 610-287-5630

➤ ATLANTIC DIV. HAMFESTS ➤ 2018 - 2019

December 8 - Third Annual SantaFest

American Legion Youth Camp
9201 Surratts Road
Cheltenham, MD 20623
<http://pgares.org/santafest/>

January 27 - Maryland Mobileers Post Holiday Hamfest

Odenton Volunteer Fire Company
1425 Annapolis Road Rt. 175
Odenton, MD 21113
<https://sites.google.com/site/marylandmobileers/hamfests-1/hamfest-2>

April 27 - York Hamfest

Elicker's Grove Park
511 Roth Church Road
Spring Grove, PA 17362
<http://www.yorkhamfest.org>

April 27 - Delaware State Convention (Delmarva Radio & Electronics EXPO)

Cheer Community Center
20520 Sand Hill Road
Georgetown, DE 19947
<http://radioelectronicsexpo.com>

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:

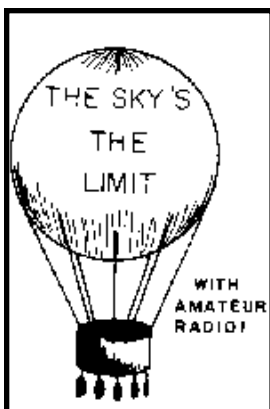
<https://www.weather.gov/phi/Info>

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.

For further information contact George Brechmann, N3HBT at 215-443-5656.

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

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	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 19	Doc Whitticar	W3GAD	215-968-6397
Hamfest 19	Michael Shanblatt	W3MAS	267-491-5773
Hamfest 19	Tony Cuttone	W3FLH	267-679-9297
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