



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

March 2019

Next Meeting March 7th - 3D Printing w/ Dean KC3JXT

President's Message

First a little background. The profession that supports my Ham radio addiction is that of a contractor. I build things. Houses, additions, remodels, that type of thing. That is what I do. When it comes to my mode of transportation, I have a truck. I can drive it from point A to Point B, no problems. I even know enough that I must put gas in it and change the oil once in a while. Just don't ask me to replace a cylinder head in the same truck. I have no idea how. This is how I see my computer. I can use various programs with my computer, I use it to write this President's message each month. I can use it to get from point A to point B, no problems. But again, don't ask me to rebuild a hard drive. If there is a problem that can occur while installing some new software, you can be guaranteed that it will happen to me. Luckily, I have some people to help me get things working the way they should. In trying to get things working so I could participate in the ARRL CW Contest last weekend I was able to call some fellow hams and we were able to figure out what the problem was and we were able to get things working. This is the idea behind the Elmer Program that the club is undertaking. Nobody knows everything and sometimes you need some help. Bill, K3FMQ and his team will be coordinating this program so club members will have someplace to go if they need help with a problem or want to learn how to do something. You can find more information on this program in an article in this newsletter.

Speaking of the ARRL CW Contest I did spend some time working it over the past weekend. For those who are not familiar with contesting, or radio sport as it is getting more widely known as, this is one of the "big ones" in the sport. Now, my showing was not the best. I only achieved just over 50,000 points with 160 contacts (or QSO's). But the neat part about working these contests is that in the time I operated I contacted 105 countries over 3 different bands. This to me is the one of the great things about participating in the contests. Even if you "don't like to contest" the opportunity to contact that many operators in that many countries doesn't come along that often. It is also a great way to make sure your equipment is working and your logging software, if you use it, is performing the way you like. And another cool thing with computers connected to the radio, you don't have to know CW to work a contest. There are multiple programs out there that will send and receive Morse Code for you, all you have to do is type. This is another aspect of the hobby you may want to try.

73, George, KC3ESH
KC3ESH@outlook.com

WARC General Membership Meeting Minutes February 7, 2019

Attendance:

Call to Order George KC3ESH

Introductions—pass mic

Minutes from last Meeting

Additions/Corrections – Motion made to approve as written

Committee Reports

Treasurer's Report: *Herb KB3VMN*

Programs: *Jacek KC3HXF*

February-Club Auction

March-3D Printing

April - MESH Networks

Membership: *Norm AB3ZZ* – new member tonight, silent key Fred and Ragu

Public Service: *George N3HBT* – no public service at this time to report

Classes: *George KA3WXV/Ron WB2OOB* – Both Tech and Extra classes will start on the 2nd Monday in March. Audobon,

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NJ first weekend in March.

VEC Testing: Larry WA3ELQ – 3 successful new candidates, next session will be on February 25

Repeater: Brian N3EXA – everything is good

Good and Welfare: Vince KD3TC – not in attendance. Vince is looking to step down, we need someone to step up and take over.

Other Committees

Hamfest – Tony W3FLH – Dan and Robert Mittel-Carey are contacting vendors. Scheduling speakers, Irwin is handling. Deciding on our mailing list. Designing and printing postcards.

Radio Sport – Irwin not in attendance

Old Business

Union League Special Event – Still on and Joe Horanzy AA3Z will be running it. Will begin approximately 10-11am and run until 5pm

Continuing Education/Elmer Program – A lot of work has been done for this program. Bill Ballantine has stepped up to run this program. More information to follow.

Constitutional Review 2019 – Larry WA3ELQ has put a committee together that will be meeting soon to get started.

New Business

Club Phone Number – a problem with the phone number. Use club email instead if you need to get ahold of the club

July Meeting Date Changed – July meeting is moved to July 11 since the first Thursday is July 4

Council Rock ISS Program – initial letter to NASA has been submitted. Stay tuned as things progress

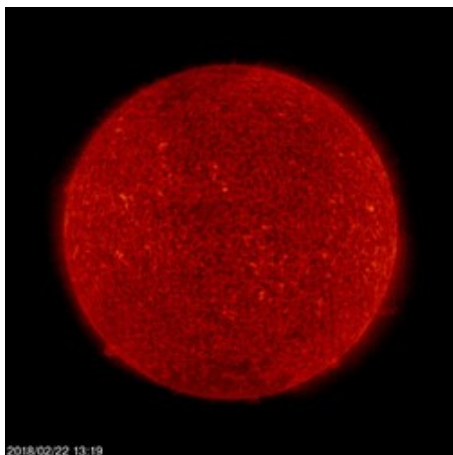
Interest in GOTA Contest – polling the club to see if there is interest in having a contest within the club to get people on the air.

Ken K2WB – Sunday, March 24 South Jersey Radio Association will be holding a Amateur Radio Conference. This is an event to share ideas, experiences, knowledge and fellowship among persons interested in Amateur Radio. This event is at the Hotel ML, 915 Route 73, Mt. Laurel, NJ 08054. Open to the public from 8:30am to 5pm. \$35 entry fee. For more information visit <https://sjra.org>.

Motion to Adjourn – meeting adjourned at 8:00pm

Program: Club Auction

The K7RA Solar Update



2018/02/22 13:19

No sunspots are visible since January 30. The lack of sunspot activity has persisted for over 3 weeks, as of February 21. This past week (February 14-20) the average daily solar flux was only marginally higher, rising just barely from 70.4 to 70.6. Geomagnetic indicators were lower, with average daily planetary A index declining from 8.1 to 4.9, and average daily mid-latitude A index (measured at a single magnetometer in Virginia) dropping from 6.1 to 3.9.

One advantage at the bottom of the solar cycle is there is less geomagnetic activity, which is a benefit for propagation on 160, 80 and 60 meters. The recent issue of [ARRL Contest Update](#) mentioned this, when they talked about the CW weekend last week of the ARRL International DX Contest: “There are many reports that 160 and 80 meters experienced exceptional propagation. The phone version of this contest is coming up on March 2.” Also in the same *Contest Update* is a link to K0NR and his piece about how VHF has propagation opportunities beyond line-of-sight: <http://www.k0nr.com/wordpress/2019/02/the-myth-of-vhf-line-of-sight/>

In the 45-day outlook for solar flux, the current forecast shows predicted values below 70, for the first time in a few weeks, from March 1-10 and again on March 26 through April 6. We are approaching the end of the winter season, and the vernal equinox (first day of spring) happens on Wednesday, March 20. This suggests better HF conditions. Likewise, in the Southern Hemisphere is the autumnal equinox, a good period for HF propagation.

The 45-day solar flux prediction on February 21 was 71 on February 22 through March 1, 68 on March 2-10, 70 on March 11-25, and 68 on March 26 through April 7.

Predicted planetary A index is 10 and 8 on February 22-23, 5 on February 24-26, then 16, 20, 18, 12 and 8 on February 27 through March 3, then 5, 8, 5, 8, 10 and 8 on March 4-9, 5 on March 10-11, then 12 and 10 on March 12-13, 5 on March 14-17, then 12, 16, 12 and 8 on March 18-21, 5 on March 22-25, then 15, 18, 18, 12, 8 and 5 on March 26-31, then 8, 5, 8, 10, and 8 on April 1-5, and 5 on April 6-7.

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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

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WELZ TP05 Power Meter WELZ TP05 Power Meter

Yaesu FT 60

FNB-83 Battery Packs (2) FNB-83 Battery Packs (2)

G3 Globe Traveler Radio G3 Globe Traveler Radio

YAE VX-170 Transceiver YAE VX-170 Transceiver

3 ft Cable with Connectors 3 ft Cable with Connectors

SO-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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Kenwood TS-520S in good working order priced at 250.00.

Kenwood R-2000 Receiver with optional YG-455C included 250.00.

Both Items sell on EBAY for well over 300.00.

Elliott Ressler W3YEP

erressler27@gmail.com

Tel: 215-635-4893

Here is a *Newsweek* article on the solar corona and the next sunspot cycle: <https://bit.ly/2BLt2W>

Regarding the recent unusual (and low) predictions for sunspot numbers and solar flux seen on the final few pages of NOAA's weekly preliminary Report and Forecast, go to <https://bit.ly/2TagxVI> to see an update. We will probably need to wait for the next Space Weather Workshop in April. The Solar Cycle 25 Prediction Panel meets on Friday, April 5, 2019.

Wayne Greaves, W0ZW, of Farmington, New Mexico wrote in a recent email, "The level of activity during the ARRL International DX Contest (CW) last weekend certainly proved to me that you can work DX at the bottom of the solar cycle. I even made a 10-meter contact with a station in Chile."

Courtesy of the ARRL Newsletter

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WARC “Elmer” Program

Club president, George, KC3ESH, announced the Elmer Program at the February membership meeting. Details of this program follow.

The goal of the Elmer Program is to enable members to further enjoy ham radio by linking them with “Elmers” willing to share their experience and know-how.

Many hams, especially newly licensed ones, encounter obstacles in meeting their expectations. The technical knowledge that enabled the ham to get his/her license often does not provide the know-how to get on the air other than using a handheld transceiver make QSO’s on the repeaters. Nor does the technical knowledge to pass the license test enable the new ham to solder PL259’s, set up macros in a logging program, etc.

Acting as a coach, an Elmer can help remove obstacles new hams often experience in getting on the air and fulfilling their expectations of ham radio.

Program Guidelines:

The Elmer program is a “*With*” program; it is not a “*For*” program.

The Elmer, working *with* the participant, would expect him/her to do everything he/she is capable of doing, following the guidance of the Elmer. The Elmer is a resource of how-to guidance and encouragement, not the labor to complete tasks the program participant is capable of doing.

For example, the Elmer helping a ham set up and antenna would expect the ham to obtain material, run cables, and otherwise prepare the site. In some cases, the Elmer and the participant may agree that the latter actually install the antenna, set it up, and tune it prior to having the Elmer provide any needed adjustments.

An exception could be an instance in which the ham needing help has a physically limiting disability, and the Elmer agrees to handle the physical tasks and/or find others to help.

With reference to antennas, the Program does not permit its Elmers to leave the ground (climb towers or ladders). The Elmer can provide contact information for professional tower climbers. Alternatively, the participant may secure such help through a temporary help agency.

Making the Program work:

We want to establish a database of members volunteering to be Elmers and the areas in which they’d like to help. I have volunteered to coordinate this program by linking members asking for help with appropriate Elmers.

Andy, KD3RF, and Irwin, KD3TB have volunteered to help me.

If you’d like to volunteer to be an Elmer, please contact me via email (K3FMQ@verizon.net) and provide those areas of “Elmering” where you’d like to help.

Thanks and 73,
Bill Ballantine, K3FMQ

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SJRA 2019 RADIO CONFERENCE

An event to share ideas, experiences, knowledge and fellowship among persons interested in Amateur Radio.



At The Hotel ML

915 Route 73
Mt. Laurel, NJ 08054

Sunday, March 24, 2019



Open to the Public

8:30 AM to 5 PM

\$35 Entrance Fee per person.

Lunch Included.

Sponsored by The South Jersey Radio Association: <https://sjra.org>

Event Talk-In: K2AA Repeater

145.290 Mhz (91.5 PL)

- Bring your HT and we will help program in local repeaters.
- Limited test equipment (power supply & dummy load) will be available to help diagnose and test radios.

Conference Highlights

Volunteer Exam Session (Free to all Applicants) starts at 8:30AM

Demonstrations

Seminars— Preliminary Topics (subject to change):

- I got my license and now what?
 - My first QSO (Live Demo)
- Introduction to Modes of Operations
- Demo of Various Modes; CW, AM, SSB, FM, C4FM, FT8, PSK, RTTY & DMR
 - QSLing— LOTW, eQSL, QSL Bureaus
 - Amateur Radio Clubs
 - Antennas— simple to extreme
 - Radio Sport (Contests)
 - Elmer Panel

For additional information please e-mail: conference@sjra.org

To purchase tickets via PayPal: Send \$35 to ebay@sjra.org and write in your call sign and SJRA 2019 Radio Conference in the memo box.

NEW PLAN ALIGNS ARES WITH THE NEEDS OF SERVED AGENCIES



The new ARES Plan <<http://www.arrl.org/ares-plan>> adopted by the ARRL Board of Directors at its Annual Meeting in January represents an effort to provide ARES with a clearly defined mission, goals, and objectives; specific training requirements, and a system for consistent reporting and record-keeping. The Board's Public Service Enhancement Working Group (PSEWG) spent more than 3 years crafting the ARES Plan which, ARRL officials believe, provides a much-needed update of the program's role in public service and emergency preparedness in the 21st century. Concerns focused on bringing ARES into alignment with the National Incident Management System (NIMS) and Incident Command System (ICS), and creating more consistent and standardized ARES training requirements. Given dramatic changes and upgrades in national, regional, and local emergency and disaster response organizations, ARRL faced a major challenge, said ARRL Great Lakes Division Director Dale Williams, WA8EFK, who chaired the PSEWG.

"If we didn't address these issues, such as training standards and organizational management, ARES faced the very real possibility that it would no longer be viewed as a valid and valuable partner in emergency and disaster relief situations," Williams said.

With input from ARES members and a peer review team, and the assistance of emergency response officials with some partner organizations, the PSEWG came up with a plan that provides guidelines to ensure that ARES remains a service of organized, trained, qualified, and credentialed Amateur Radio volunteers who can provide public service partners with radio communication expertise, capability, and capacity, Williams added.

Training requirements in the final ARES Plan consist of the free FEMA Professional Development Series of independent study (IS) courses, as well as the ARRL's EC-001 and EC-016 emergency communication courses. The ARRL Board approved a proposal to make the ARRL EC courses free for ARES members.

The plan highlights some additional training programs that ARES participants are encouraged to consider taking, but that are not required, such as AUXCOMM and training courses like ICS-300 and ICS-400.

The ARES Plan outlines a three-tiered membership structure based on increased responsibility levels and accompanying training requirements. The optional tiered system serves to define three distinct ways to participate in the ARES program, leaving it up to participants to determine their level of involvement.

The ARES Plan points out that public service events such as parades and marathons are within the realm of ARES activity and are an integral part of effective training.

The Plan notes that training requirements are ultimately the responsibility of the Section Manager, with each SM approving training for local ARES teams, as local conditions and needs dictate.

The ARES Plan also highlights the relationship between ARES and the National Traffic System (NTS).

Williams noted that, within the ARES structure, the Emergency Coordinator (EC) will continue to lead the ARES team locally during an incident, while the District and Section Emergency Coordinators will continue to serve as resources and support for the EC. The ARES Plan stresses that ARES participants are not first responders, and it encourages ARES leaders to develop and grow their group's partnerships with state emergency management agencies and officials. Williams said the adoption of the ARES Plan is not the end of this process.

"ARES cannot remain stagnant only to be updated once every few generations," he said. "The ARES Plan, and the ARES program, must be able to evolve." Williams added that the ARRL Headquarters emergency preparedness staff will review the program annually to ensure its continued relevance. Read more <<http://www.arrl.org/news/new-plan-aligns-ares-with-the-needs-of-served-agencies>>.

Courtesy of the ARRL Newsletter



**ARRL Great Lakes Division Director
Dale Williams, WA8EFK.**

AMATEUR RADIO IS ABOARD DURING ATTEMPT TO BECOME OLDEST CIRCUMNAVIGATOR



Jeanne Socrates, VE0JS/KC2IOV, is used to solitude. The 76-year-old yachts-woman passed some 300 miles to the south of the southern tip of Africa on Valentine's Day as she forged on toward Australia and New Zealand in her 38-foot sailing vessel Nereida. While underway, Socrates keeps in touch with a community of friends via Amateur Radio -- although she had to yield to the ARRL International DX CW activity last weekend -- and she's sticking to a schedule of 7.160 MHz at 0230 UTC daily. Socrates reported making contact with some ham radio friends on the US west coast on February 17. She's been blogging <<https://svnereida.com/blog>> her progress.

The retired math teacher and UK native also is no stranger to circumnavigating the globe, having already become the oldest woman to complete a solo, non-stop, unassisted round-the-world voyage. Ham radio served as her link to terra firma during her earlier adventures. Since 2013, she's made two unsuccessful attempts to become the oldest person to circumnavigate Earth, the goal she's now attempting to achieve. Socrates departed Vancouver, British Columbia, last October. Read more <<http://www.arrl.org/news/amateur-radio-is-aboard-during-attempt-to-become-oldest-circumnavigator>>.

-- Thanks to Southgate Amateur Radio News for some information

Courtesy of the ARRL Newsletter

US NAVY EXPLORES AMATEUR RADIO AS A TRAINING ADJUNCT

The US Navy's Naval Air Warfare Center Weapons Division (NAWCWD <<https://www.navy.mil/local/nawcwg/>>) has adopted Amateur Radio training as a possible new approach to basic RF and electronics instruction. More than 20 NAWCWD employees took part in a week-long class in Point Mugu, California, in December. The class, which culminated in an examination session for the Technician licensed, offered NAWCWD employees a novel approach to teaching radio propagation, said Brian Hill, KF4CAM, the lead for electromagnetic maneuver warfare experimentation in the NAWCWD Avionics, Sensors and E*Warfare Department. Hill, who got his license while he was still in high school, is also the department's "innovation ambassador."

"I looked at the breakdown of current new hires and saw that many had degrees in computer science and thought that their classwork might not have covered things like RF propagation," Hill said. Rather than have employees sit through hours of PowerPoint briefings, Hill thought that a licensing course might be a more dynamic, hands-on approach to convey the basics -- and cover areas such as directional antennas, signal propagation, and modulation that are necessary for their work.

Initially, Hill had 10 class slots funded, but then Target Design Engineering Branch Head Ian Mann, KI6YVO, got wind of the class, saw its potential, and helped get funding to expand participation. Mann, a General-class licensee and a ham for nearly 10 years, said he's been able to apply knowledge learned in the class to his NAWCWD work.

Target Systems Division Head Milton Gabaldon, also saw merit in the approach. He sat in on the classes, took the exam, and he's now KM6YPA. For him, it's about connecting the dots. Some of the 23 students who recently passed Amateur Radio exams at the NAWCWD hold their Certificates of Successful Completion of Examination (CSCE).



"It's about introducing people to electronics, to start understanding what RF is all about ...so when we talk about it in the test and evaluation world, [students] know what we're talking about," Gabaldon said. "They get a better view than 'I just do software.' Now they see 'My software controls this piece, which sends out RF jamming signals that protect the warfighter.' That's the most important takeaway."

In all, 23 employees who took the Technician exam passed, and several also successfully tested at for General and Amateur Extra licenses. Hill hopes to offer more hands-on classes in the future, and he's planning a Fox Hunt for the near future, as additional hands-on training. -- Thanks to NAWCWD and Public Affairs Officer Kimberly Brown; some information from C4ISRNET <https://www.c4isrnet.com/electronic-warfare/2019/02/06/can-learning-ham-radio-make-for-better-engineers-and-software-developers/?utm_source=Sailthru&utm_medium=email&utm_campaign=Daily%202.7&utm_term=Editorial%20-%20Daily%20Brief>

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 2019

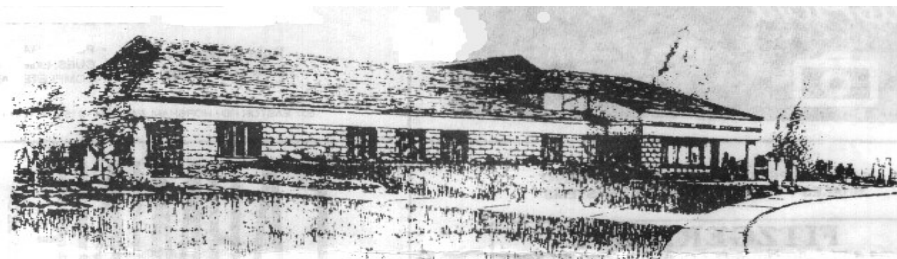
March – 3D Printing w/ Dean KC3JXT

April – Tom Nolan W3EX High Speed Microwave Networks

May – Hamfest Preparation

June – Hamfest recap and Pizza night

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.

2019 Contest Calendar

March

2-3 [International DX- Phone](#)

Starts 0000 UTC Saturday; ends 2359 UTC Sunday

April

14 [Rookie Roundup - Phone](#)

1800 UTC through 2359 UTC

June

8-10 [June VHF](#)

1800 UTC Saturday, runs through 0259 UTC Monday

22-23 [Field Day](#)

1800 UTC Saturday and running through 2059 UTC Sunday

QSO Parties

Oklahoma	1500Z, Mar 9 to 0200Z, Mar 10 and 1400Z-2100Z, Mar 10
Idaho	1900Z, Mar 9 to 1900Z, Mar 10
Wisconsin	1800Z, Mar 10 to 0100Z, Mar 11
Virginia	1400Z, Mar 16 to 0400Z, Mar 17 and 1200Z-2400Z, Mar 17
Louisiana	1400Z, Mar 16 to 0200Z, Mar 17

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 2019 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 ➤ 2019

March 16 - [Fredfest '19](#)

Independent Hose Company 310 Baughmans Lane
Frederick, MD 21701
<http://frederickarc.org>

April 14 - [JSARS Hamfests](#)

Riverwood Park, Building #2 Riverwood Dr,
Toms River, NJ 08753
<http://jsars.org>

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>

May 5 - [Eastern Pennsylvania Section Convention \(Warminster ARC Hamfest\)](#)

Bucks County Community College - Lower Bucks Campus 1304 Veteran Highway
Bristol, PA 19007
<http://www.k3dn.org/hamfest/>

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:

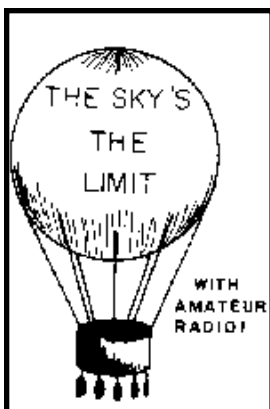
<https://www.weather.gov/phi/Info>

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.

Tech and Extra classes will begin 2nd Monday in March.

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 ?

2019 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