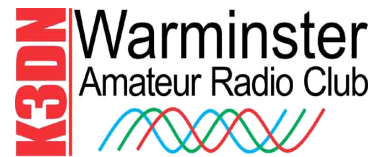




FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

April 2019

Next Meeting April 4th - Tom Nolan W3EX High Speed Microwave Networks

President's Message

Well it looks like spring is starting to arrive, the bulbs are starting to sprout and I am hearing more and more birds singing outside the shack window. With the coming of spring brings some important dates that you may want to mark on your calendar, May 2nd, May 5th and June 22nd.

May 2nd is an important day in the future of the club. On that date you will be voting for the officers who will take care of the day to day operations of the club. I will be running again as President, Herb, KB3VMN, will be taking on another year as treasurer, Larry, WA3ELQ and George, N3HBT will reup for another term as your Elected Directors. Our Secretary, Kathy KC3FBY and Vice President Jacek KC3HXF have decided that they would like to step down from their posts.

This club is only as good as the volunteers who run it. Any WARC member is eligible for any office. Whether you have been a member for a couple of weeks or a couple of decades, you can help. If you've been asked to consider an office or you would like to inquire what is involved please see a member of the nominating committee, Irwin KD3TB or Jacek KC3HXF.

The WARC Hamfest will be held on May 5th, at the **Lower Bucks Campus** of Bucks County Community College. Now I have bolded the **Lower Bucks Campus** part of this because even last year, our second year at this location, some members were still going to the wrong location. The correct location is right off I-95 in Bristol, PA. If you are enjoying a nice ride on a 2-lane country road on the way to Hamfest you are going to the wrong location! We will be hosting the EPA Section Convention again this year along with all the other great stuff the Hamfest brings. Michael W3MAS will be talking at the next couple of meetings about what will be going on and where help is needed. Again, with your help, we can continue to make the Hamfest the success that it has been in years past.

Field day this year will be on June 22nd. We will be operating from the Shrine of Czestochowa in Doylestown. This is always a great time to get out and operate with fellow club members and friends. Doc, W3GAD, our Field Day chairman, will soon be asking for volunteers to help run the various aspects of this exercise. The more people that help, from getting equipment from the Senior Center to the site, set-up or getting the stuff back, the easier and more fun it will be for all of us.

73, George, KC3ESH

KC3ESH@outlook.com

WARC General Membership Meeting Minutes March 7, 2019

Attendance:

Call to Order George KC3ESH

Introductions—pass the mic

Minutes from last Meeting

Additions/Corrections – Motion made and approved minutes as written in newsletter

Committee Reports

Treasurer's Report: Herb KB3VMN

As reported at the meeting

Please don't forget to contribute to the hospitality fund. It costs approximately \$70 per month to offer what we do and only take in about \$20

(Continued on page 2)

(Continued from page 1)

Programs: *Jacek KC3HXF*

April - MESH Networks, Tom Nolan, W3EX

May-Elections/Hamfest Prep

June-Laura Floyd, KC3GWL Project Recap

July-Radio Astronomy, Robert Welsh, N3RW

Will need to get volunteers for the Shrine of Czestochowa for the Saturday of Memorial Day weekend for the special event station. More information to follow

Membership: *Norm AB3ZZ*

We have 67 paid members and 76 past due members. We will be sending an email out to those that are past due

Public Service: *George N3HBT*

Last Sunday in April is March for Babies, Sgt. Reeves will be needing our help. Sign up sheet at the April meeting.

Memorial Day parade for Warminster. Sign up sheet will be at the May meeting.

June is the Hole in One golf outing on the first Thursday in June. Sign up sheet at the May meeting. We will need about 10 operators.

Classes: *George KA3WXV/Ron WB2OOB*

Classes start this Monday for Tech and Extra

VEC Testing: *Larry WA3ELQ*

Successful session at the 4 candidates 3 were successful.

Testing will the last Monday of March

Repeater: *Brian N3EXA*

Everything seems to be functioning properly on 2 meters

We need to get on the air and use the repeater

Good and Welfare: *Vince KD3TC*

Last month Vince announced that he stepped down and we need someone to take over. Please consider helping out.

Other Committees

Hamfest

Hamfest is coming up in May. Postcards are being printed. Next board meeting we will be labeling and mailing the cards. We will be using our own mailing list and some labels from the ARRL. We are published in QST. Bob Allison is one of our speakers. He will be our keynote speaker at 10:00am. Next month is a big meeting, we will have signup sheets available. We will look into coffee mugs as our thank you gift to our volunteers and then have some available for new members and to sell.

Radio Sport

Contesting is quieting down for the month of March. End of the month is CQ DX contest. Irwin sent an email regarding the contests coming up for this month.

Talking about GOTA contest / challenge for getting the club on the air.

Old Business

July Meeting Date Changed

Our general membership meeting for July will be on July 11 and not July 4

Constitution Review

Larry has a group together to review the constitution

Elmer Program

Bill Ballantine, Irwin and Andy are putting together a program to help get new hams on the air.

New Business

PackRats will meet in 2 weeks and they will have their Home Brew Night

April 25-26 VHF Super Conference in Virginia good conference with 2 full days of presentations

End of June is Field Day and all bands teams are open. Please consider signing up to be a band captain.

ARRL Podcast "The Doctor is In". Irwin sent an email about this. Great podcasts especially for new hams.

Nominations

Irwin Darack and Jacek have volunteered to be on the nominating committee. We are looking for a new vice president and a secretary. Please consider either of these positions. If you are interested, please contact either Irwin or Jacek.

Motion to Adjourn

Meeting adjourned at 8:15pm

Program: 3D Printing with Dean KC3JXY

(Continued on page 3)

(Continued from page 2)

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 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

=====

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

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: During the March 21 - 27 reporting week, solar activity increased while geomagnetic indicators were lower, compared to the previous 7 days. This is a nice combination for the first week of spring.

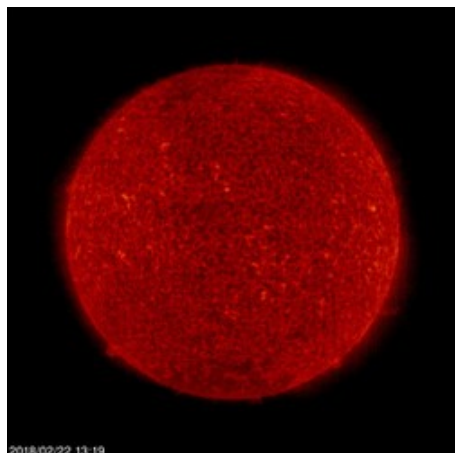
Although sunspots and solar flux decreased toward the end of the period, average daily sunspot numbers doubled from 8 to 16, and average daily solar flux increased from 70.7 to 75.2. Average daily planetary A index decreased from 8.1 to 3.7, and average daily middle latitude A index decreased from 6.3 to 3.9.

These numbers are all good, because higher sunspot numbers and solar flux suggest better enhancement of the ionosphere, while the lower geomagnetic numbers correspond to generally lower absorption or disturbed conditions.

The planetary A index is a composite from magnetometers around the globe, but the middle latitude A index is from a single magnetometer in Virginia.

(Continued on page 4)

(Continued from page 3)



Predicted solar flux from the March 27 forecast is 68 on March 28 - April 3; 70 on April 4 - 6; 71 and 74 on April 7 - 8; 75 on April 9 - 18; 74, 73, 73, and 71 on April 19 - 22; 70 on April 23 - May 3; 71 and 74 on May 4 - 5, and 75 on May 6 - 11.

Predicted planetary A index is 18, 12, 8, and 5 on March 28 - 31; 8 on April 1 - 3; 5 on April 4 - 11; 15 and 10 on April 12 - 13; 5 on April 14 - 21; 8, 12, 12, 8, and 8 on April 22 - 26; 5 on April 27 - 28; 8 on April 29 - 30; 5 on May 1 - 8, and 12, 8, and 5 on May 9 - 11.

There were no sunspots on March 26 - 27. [Sunspot group AR2736](#) appeared on March 23, then disappeared.

Sunspot numbers for March 21 - 27 were 49, 27, 22, 14, 0, 0, and 0, with a mean of 16. The 10.7-centimeter flux was 80.1, 82.4, 79.4, 75.4, 71.2, 69, and 68.9, with a mean of 75.2. Estimated planetary A indices were 2, 1, 1, 3, 5, 6, and 8, with a mean of 3.7. Middle latitude A index was 2, 2, 2, 3, 5, 5, and 8, with a mean of 3.9.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean...", and [check out](#) K9LA's Propagation Page.

A propagation bulletin [archive](#) is available. [Monthly charts](#) offer propagation projections between the US and a dozen DX locations.

[Share](#) your reports and observations.

Courtesy of the ARRL Newsletter

Announcement for WARC Officer Nominations

The strength of any volunteer organization is dependent upon the willingness of its members to serve as elected officers. Once again at the Warminster Amateur Radio Club May meeting we will be conducting our general election. While some current officers have indicated their willingness run again, as per our constitution/by-laws all positions are open on annual basis.

President,
Vice President
Secretary
Treasurer
Directors (2)

To serve as an officer, you must be a member in good standing and your dues must be up to date.

Jacek , KC3HXF, and myself Irwin, KD3TB, have volunteered to serve as the search committee. If you are interested in volunteering your time or would like to understand the responsibilities of each office, please contact either Jacek or myself.

Without your assistance in volunteering your time, our great club would no longer exist.

Thank you and regards,
Irwin KD3TB

(Continued on page 5)

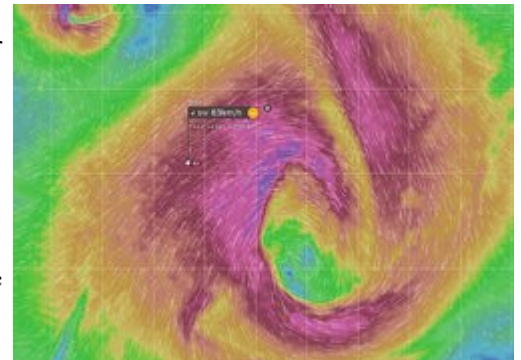
3Y0I Bouvet Island DXpedition "Postponed, Not Canceled"

The [3Y0I](#) DXpedition to Bouvet Island (Bouvetøya) is off, at least for now. The skipper of the MV *Atlantic Tuna* determined it was not safe to continue its voyage to the remote Antarctic island after the vessel suffered some damage from severe storm conditions. The DXpedition had expected to arrive on the island on March 26 and be on the air by month's end.



"The captain of the MV *Atlantic Tuna* had to [m]ake a difficult but responsible decision to take a course back to Cape Town, South Africa," a March 27 news release [said](#). "But the 3Y0I Expedition is *not* cancelled -- we don't give up that easily." The DXpedition's press officer, Stan Strzyzewski, SP8S, said he'd had a "long conversation" with DXpedition leader Dom Grzyb, 3Z9DX, who reported that the seas had calmed enough to permit crew members to inspect damage caused by a "severe cyclonic storm" on March 26 when the vessel was some 70 nautical miles off Bouvet Island. The ship was hit by waves of more than 36 feet and winds exceeding 100 MPH.

"The fierce oceanic forces swept past the upper deck, taking one of the radars, including VSAT, VHF, and HF marine antennas, off the mast and throwing them all overboard," Strzyzewski recounted. He stressed that all members of the DXpedition team are "fine,



Wind conditions near Bouvet Island. The black X (to the right of the orange dot) indicates the approximate location of the MV *Atlantic Tuna* on March 27 at 0630 UTC.

feeling OK, and safe."

"With lack of the most important navigational tools, the captain declared it's not safe to navigate and they need to go back to Cape Town to secure all participants on board, their equipment, and the vessel's gear," Strzyzewski continued. "In addition, all forecasts for coming hours are not positive."

Once back in Cape Town, the team will reassess its plans and decide whether to attempt a return voyage to Bouvet in April or to postpone the DXpedition for next season.

In February 2018, unfavorable weather and a mechanical failure on the transport vessel caused the cancellation of the 3Y0Z Bouvet Island DXpedition, after the team had arrived just offshore.

Courtesy of the ARRL Newsletter

FCC Invites Comments on ARRL Technician Enhancement Proposal

The FCC has invited public comments on ARRL's 2018 [Petition for Rule Making](#), now designated as RM-11828, which asks the FCC to expand HF privileges for Technician licensees to include limited phone privileges on 75, 40, and 15 meters, plus RTTY and digital mode privileges on 80, 40, 15, and 10 meters. Interested parties have 30 days to comment. The Technician enhancement proposals stemmed from the recommendations of the ARRL Board of Directors' Entry-Level License Committee, which explored various initiatives and gauged member opinions in 2016 and 2017.

"This action will enhance the available license operating privileges in what has become the principal entry-level license class in the Amateur Service," ARRL said in its *Petition*. "It will attract more newcomers to Amateur Radio, it will result in increased retention of licensees who hold Technician Class licenses, and it will provide an improved incentive for entry-level licensees to increase technical self-training and pursue higher license class achievement and development of communications skills."

Filing Comments

Those interested posting brief comments on the ARRL Technician Enhancement proposal (RM-11828) using the Electronic Comment Filing System (ECFS) should access [FCC Electronic Comment Filing System Express](#). In the "Proceeding(s)" field, enter the number of the PRM, i.e., RM-11828 (using this format), complete all required fields, and enter comments in the box provided. You may review your post before filing. All information you provide, including name and address, will be publicly available once you post your comment(s). For more information, visit "[How to Comment on FCC Proceedings](#)."

Specifically, ARRL proposes to provide present and future Technicians with:

- phone privileges at 3.900 to 4.000 MHz, 7.225 to 7.300 MHz, and 21.350 to 21.450 MHz.
- RTTY and digital privileges in current Technician allocations on 80, 40, 15, and 10 meters.

The ARRL petition points out the explosion in popularity of various digital modes over the past 2 decades. Under the ARRL plan, the maximum HF power level for Technician operators would remain at 200 W PEP. The few remaining Novice licensees would gain no new privileges under ARRL's proposal.

ARRL's petition points to the need for compelling incentives not only to become a radio amateur in the first place, but then to upgrade and further develop skills. Demographic and technological changes call for a "periodic rebalancing" between those two objectives, ARRL maintained in his proposal. The FCC has not assessed entry-level operating privileges since 2005.

The Entry-Level License Committee offered very specific data- and survey-supported findings about growth in Amateur Radio and its place in the advanced technological demographic, which includes individuals younger than 30. It received significant input from ARRL members via more than 8,000 survey responses. "The Committee's analysis noted that today, Amateur Radio exists among many more modes of communication than it did half a century ago, or even 20 years ago," ARRL said in its petition.

Now numbering some 384,500, Technician licensees comprise more than half of the US Amateur Radio population. ARRL stressed in its petition the urgency of making the license more attractive to newcomers, in part to improve upon science, technology, engineering, and mathematics (STEM) education, "that inescapably accompanies a healthy, growing Amateur Radio Service."

ARRL said its proposal is critical to develop improved operating skills, increasing emergency preparedness participation, improving technical self-training, and boosting overall growth in the Amateur Service, which has remained nearly inert at about 1% per year.

The Entry-Level License Committee determined that the current Technician class question pool already covers far more material than necessary for an entry-level exam to validate expanded privileges. ARRL told the FCC that it would continue to refine examination preparation and training materials aimed at STEM topics, increase outreach and recruitment, work with Amateur Radio clubs, and encourage educational institutions to utilize Amateur Radio in STEM and other experiential learning programs.

Courtesy of the ARRL Newsletter

Survey: FT8 Growing as DX Mode in an Era of Waning Propagation

In the 2018 update of his [survey](#) of modes used on the air, [Club Log](#)'s Michael Wells, G7VJR, says the number of Club Log users uploading at least one FT8 contact to the site grew from 8,000 in 2017 to 14,200 in 2018. Wells worked with data from Club Log users who, he reports, uploaded 41.3 million contacts in 2018, up by 12% from last year.



"I think that fact is more significant given the ongoing decline of this particular solar cycle, and it's possible evidence of extra activity from FT8 and newly active amateurs who'd run out of steam on CW and SSB, but are back to try digital modes," Wells said.

He reports that 13,900 users uploaded at least one CW contact, and 18,000 had at least one phone contact. The total number of active users was just under 22,000 across all modes in 2018, Wells said, who added that number has been dropping each year since 2015.

"When we look at the [graph of QSOs](#), you can deduce that FT8 users must be prolific in terms of the number of QSOs they make when they're on the air," Wells said. "Once you start making FT8 QSOs, I get the feeling it's more likely you'll be on the bands for longer in a session, as it can be quite addictive working DX in the noise. Having those absolute signal-to-noise figures is compelling."

In his discussion, Wells reported that operators from some 270 DXCC entities were active on FT8 in 2018. "It's quite a showing for FT8," he allowed, pointing out that the figure is close to the computed 287 active DXCC entities. About two-thirds of DXpetitions using Club Log used FT8 while active, and a bit more than 6% of Club Log DXpetition contacts were on FT8 last year.

Wells observed that while it's likely that more modest stations are logging rare DX, especially in DXpetition mode where FT8 fa-

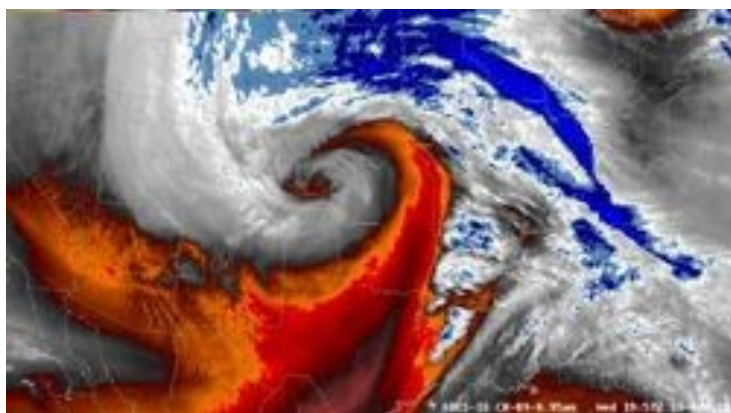
vors weaker signals, its use comes at the expense of speed — or rate.

“With many expeditions to rarer locations being somewhat constrained logistically, and not having the luxury of staying a long time, operating FT8 could be seen as something of a trade-off,” Wells said. “Even so, for pure throughput, it seems expeditions are still getting the numbers from other modes. Expeditioners like to work pileups and amass as many contacts as they can, after all.”

Wells posits that FT8 may be the only way to stay in the hobby for operators living on small lots and confronting stringent zoning regulations. “However, I think we mustn’t romanticize those particular situations too much. A lot of the FT8 on the bands today is just plain old competitive,” he concluded. “It’s generally become a QRO [high-power] mode, and it’s fierce in its ways. SSB and CW CQs are often going unanswered, while a tiny sliver of each band heaves with FT8. This pattern hasn’t relented in 2018. That’s not great news.”

Courtesy of the ARRL Newsletter

Colorado ARES Volunteers Muster for "Bomb Cyclone" Winter Storm



Water vapor imagery of the March 13 "bombogenesis" weather event. [National Weather Service image]

Amateur Radio Emergency Service® (ARES®) volunteers in Colorado stepped up as a mid-month "bomb cyclone" winter storm struck the state, with heavy rain shifting to heavy snowfall. The storm affected several states and led to significant flooding in Nebraska. Parts of Colorado recorded winds of nearly 100 MPH and record-low barometric pressure readings. ARES teams in Colorado began preparations a day ahead of the so-called "bombogenesis" weather event.

[Pikes Peak ARES](#) alerted its personnel via email and a regularly scheduled Tuesday net and coordinated with the Special Communications Unit (SCU), a special cadre of radio amateurs in the Pikes Peak Regional Office of Emergency Management (OEM). Most SCU members also belong to ARES, but when called up by the OEM, they wear their SCU hats. The SCU planned to deploy to

the Emergency Coordination Center (ECC) on March 12 and be ready to operate first thing in the morning.

At the time, the Red Cross did not anticipate needing Pikes Peak ARES support, so the ARES district planned to undertake weather spotting for the National Weather Service (NWS) office in Pueblo and relay status information to the ECC. By the morning of March 13, however, the storm's timing had changed, and the Red Cross requested ARES operators in four shelters, creating a problem with recruiting and deploying sufficient volunteers in time. Three ARES volunteers were identified, but by then the weather was so severe that only one was able to get through, amid difficulties.



Frank Watervoort, AB0WV (left), and Rand Reynard, W0RDR, at the Douglas County Emergency Operations Center. [Ron Coffee, KD0TRY, photo]

At the request of NWS Pueblo, a formal weather net was called up and ran for more than 10 hours, even though the primary and back-up net control stations lost power for several hours. Some 70 operators provided reports during the storm and its aftermath. An informal net continued for another 16 hours until the SCU operators were released from the ECC.

"While the net started out as a weather net, it quickly became a common way for operators to report stranded motorists, requests for assistance, abandoned vehicles, Good Samaritan rescues -- important so that the ECC could clear

police, fire, rescue, and National Guard units from responding -- shelter status, and requests about road conditions," said John Bloodgood, KD0SFY, Pikes Peak ARES Emergency Coordinator and Public Information Officer (PIO). The storm stranded more than 1,000 motorists in El Paso County.

Neighboring Douglas and Elbert counties also took proactive measures on March 12, opening emergency operations centers (EOCs) in anticipation of the storm. Both counties count on ARES of Douglas and Elbert Counties (ARESDEC) radio to support communication in emergencies. Before the heavy rain turned to snow, the two counties had already begun to open shelters. The ARES team's operations staff closely followed weather forecasts and knew this activation would be different.

"Our preferred procedure is to keep our operational periods to about 8 hours," ARESDEC Operations Chief Denny Phillips, W0DDP, explained. "However, we knew that once our people were in place, especially on the eastern plains, that providing relief would not be possible. Our people would have ride out the storm in the shelters."

As the storm progressed, it became clear to county officials that additional shelters would be needed. ARESDEC operators assisted the Red Cross in setting up shelters and organizing and managing food service.

By the end of the storm, more than 1,100 people were hosted in eight shelters across the two counties. ARESDEC deployed 17 radio operators. Emergency Coordinator Jim Rooney, N4JJR, praised the volunteers' performance, saying, "Our team performed well above expectations due to their commitment to training and willingness to serve."

Colorado Section Emergency Coordinator Robert Wareham, N0ESQ, oversaw and took part in the overall response. -- *Thanks to Pikes Peak ARES EC and PIO John Bloodgood, KD0SFY, and ARESDEC PIO Ron Coffee, KD0TRY*

Courtesy of the ARRL Newsletter



Bob Famiglio, K3RF, Appointed to Fill Atlantic Division Vice Director Vacancy

Robert B. "Bob" Famiglio, K3RF, of Media, Pennsylvania, once again is the ARRL Atlantic Division Vice Director. Famiglio, an attorney, was appointed by ARRL President Rick Roderick, K5UR, to fill the vacancy left by the departure of Riley Hollingsworth, K4ZDH. He will serve with Atlantic Division Director Tom Abernethy, W3TOM.



Famiglio, who was initially Atlantic Division Vice Director from 2015 until 2017, is a past Eastern Pennsylvania Section Manager and is an ARRL Volunteer Counsel. He served as a District Emergency Coordinator from 2006 until 2011. Licensed since 1967, Famiglio is also an electrical engineer and former broadcast station owner and engineer. He is an FAA-certificated pilot. He is a Life Member member of the Institute of Electrical & Electronic Engineers (IEEE).

CLUB INFO**PUBLIC SERVICE**

Last Sunday in April is March for Babies, Sgt. Reeves will be needing our help. Sign up sheet at the April meeting. Memorial Day parade for Warminster. Sign up sheet will be at the May meeting.

June is the Hole in One golf outing on the first Thursday in June. Sign up sheet at the May meeting. We will need about 10 operators

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

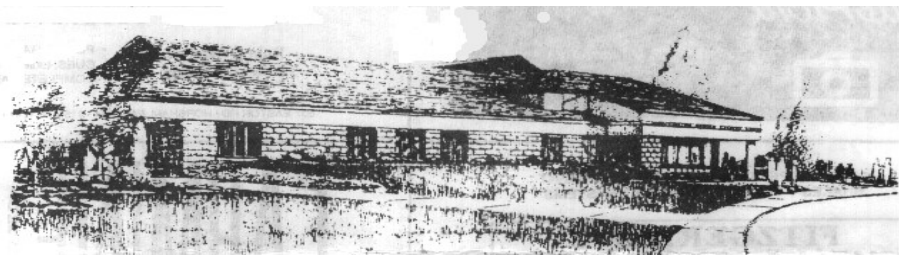
April – Tom Nolan W3EX High Speed Microwave Networks

May – Hamfest Preparation

June – Laura Floyd, KC3GWL Project Recap

July - Radio Astronomy, Robert Welsh, N3RW

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

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

| | |
|--------------|--|
| Missouri | 1400Z, Apr 6 to 0400Z, Apr 7 and 1400Z-2000Z, Apr 7 |
| Mississippi | 1400Z, Apr 6 to 0200Z, Apr 7 |
| New Mexico | 1400Z, Apr 13 to 0200Z, Apr 14 |
| North Dakota | 1800Z, Apr 13 to 1800Z, Apr 14 |
| Georgia | 1800Z, Apr 13 to 0359Z, Apr 14 and 1400Z-2359Z, Apr 14 |
| Nebraska | 1300Z, Apr 20 to 0200Z, Apr 21 and 1300Z-2200Z, Apr 21 |
| Michigan | 1600Z, Apr 20 to 0400Z, Apr 21 |
| Florida | 1600Z, Apr 27 to 0159Z, Apr 28 and 1200Z-2159Z, Apr 28 |

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

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 \(Delmarva Radio & Electronics EX-PO\)](#)

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

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

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:

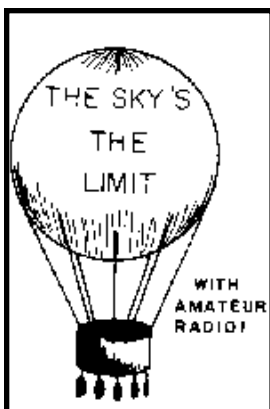
<https://www.weather.gov/phi/Info>

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.

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 |