



# FEEDBACK



Web Site [k3dn.org](http://k3dn.org)

Warminster Amateur Radio Club

June 2024

**Next Meeting June 6 - Pizza Night / Bucks County History, Dan McPhillips**

## Warminster ARC General Meeting Minutes May 2, 2024

Call to Order: 7:34 pm by Ray KA3RTU

Introductions and Attendance: 31

Minutes from last Meeting: The April meeting minutes were approved as submitted.

### Committee Reports:

**Treasurer's Report:** Tom (K3PLA) As given. Copies were available for members to review. Tom also announced that club badges are now available from Hambadgers.com and may be ordered online. All transactions will be between the club member and Hambadgers. There are also t-shirts and some other items available which will use the current WARC logo.

### **Programs:** Dave (KC3RAT)

June – Pizza Night / Bucks County History, Dan McPhillips

July – canceled since it falls on the Fourth of July

August – Intro to Antenna Modeling

### **Membership:** Tony (W3FLH)

121 Members on roll, 102 in good standing; 95 Regular, 7 Alumni/Assoc.

### **Public Service:** George (N3HBT)

May – Warminster Memorial Day Parade 5/27 from 9 AM to 1 PM

June – Hole in One Golf Outing

October – Golf Outing Part 2

Anyone interested in helping contact George at [N3HBT@ARRL.NET](mailto:N3HBT@ARRL.NET)

### **Classes:** Dave (K3RAT)

A General class is finished. Tech class started Monday. Help needed with teaching. Contact Dave if interested helping out. It was reported that there is interest in training a group of First Responders in Montgomery County. Dave KC3RAT to follow-up with Mike Sabol.

### **VEC Testing:** Larry (WA3ELQ)

Session 04/29/2024 one passed. Next session 5/20/2024 and also at the Hamfest.

### **Repeater:** George (N3HBT)

All is presently good and working as expected.

### **Good and Welfare:** Nothing to report.

### **Radio sport:** Irwin (KD3TB)

Checkout [ContestCalendar.com](http://ContestCalendar.com) for upcoming contests, etc.

### **Hamfest:** Tony (W3FLH)

This is the subject of tonight's meeting. See notes following.

### **Refreshments:** Arlene (KA3PLA)

Members were thanked for upping their donations for refreshments.

(Continued from page 1)

**Other Committees:**

No additional reports.

Old Business:

**Club Station:** Ray is still looking for a carpet cleaner. If anyone has any suggestions or contacts, please let Ray know.

**Field Day:** Field Day is scheduled for the last Saturday (6/22) and Sunday (6/23) in June. A tent, tables and chairs has been secured. Help will be needed at the BWSC to load stuff from storage on Saturday morning at around 10:30 AM. Help will be needed at the Shrine to unload and set up at around 2 PM on Saturday afternoon. A family picnic is being planned for Saturday. Help will be needed Sunday afternoon to tear down and load stuff to be taken back to the BWSC. Anyone with ideas or able to help, please let one of the club officers know.

New Business:

**Motor Vehicle Code changes**

The state legislature is looking to amend distracted driving laws with the current version prohibiting licensed ham radio operators from using their microphones while driving. All present were encouraged to write their legislative representatives to exempt hams from this change.

Business meeting adjourned at 7:55 PM.

**Additional notes regarding the Hamfest**

Help is needed on Saturday May 4<sup>th</sup> at 1:30 PM to load stuff from storage at the Ben Wilson Senior Center for transporting to the Hamfest location in Bristol. Help is also needed on Saturday May 4<sup>th</sup> at 3:00 PM to unload and set-up the gear to appropriate locations at the Hamfest. Help at either location is appreciated, even if you can do only one of these two locations.

On Sunday May 5<sup>th</sup> Vendors are expected at 6 AM, although some will likely come earlier. Help will be needed with parking duties beginning at 5 AM. Shoppers are expected to arrive at 7 AM. The more people who can help, the more volunteers will be able to be relieved and shop the Hamfest.

## **ARRL Systems Service Disruption**

**Updated 5/31/2024**

Our phone system has been returned to service. ARRL may be reached at 1-860-594-0200 or 1-888-277-5289 (toll-free in the US), Monday through Thursday from 8 AM to 7 PM Eastern Time, and until 5 PM on Fridays. Members can also email general inquiries to [hq@arrl.org](mailto:hq@arrl.org).

The ARRL International Digital Contest is this weekend, June 1 - 2, 2024, and the ARRL June VHF Contest is June 8 - 10, 2024. The ARRL Contest Portal will be available with limited functionality at [contests.arrl.org](https://contests.arrl.org). Log submission pages will continue to be available at [contest-log-submission.arrl.org](https://contest-log-submission.arrl.org), and logs received can be viewed at [contests.arrl.org/logsreceived.php](https://contests.arrl.org/logsreceived.php). The log submission links are also available on the contest landing pages at [www.arrl.org/arrl-digital-contest](https://www.arrl.org/arrl-digital-contest) and [www.arrl.org/june-vhf](https://www.arrl.org/june-vhf).

Members are reminded that the June 2024 issue of *QST* magazine, the special ARRL Field Day edition, can be viewed online. Members may also access digital editions of *QST* dating back to 2012. Access to archives for *QST* issues older than 2012, which are accessed through the ARRL website, is not presently available. For *On the Air*, *QEX*, and *NCJ* magazines, members may access the current issues and previous issues back to 2020. Visit [www.arrl.org/arrl-magazines](https://www.arrl.org/arrl-magazines) for links to all four magazines and to download the ARRL Magazines app.

Work is continuing to publish the July 2024 issue of *QST* magazine. We anticipate an on-time delivery of the digital edition, and delayed delivery for those who subscribe to the printed magazine.

We have heard from members asking if they can renew their membership at this time. Members can renew online at [www.arrl.org/join](https://www.arrl.org/join) or by phoning ARRL.

As reported earlier this week, ARRL Store orders ([www.arrl.org/shop](https://www.arrl.org/shop)) have resumed shipping.

(Continued on page 4)

(Continued from page 4)

"Even the last major solar flare on May 29 afternoon UTC was observed in AR3697 and was accompanied by a CME. Part of the particle cloud will probably hit Earth sometime between late afternoon on June 1 and the morning of June 2. The onset of the phenomenon should be accompanied by an improvement in shortwave propagation conditions and a deterioration can be expected during its continuation on June 2.

"In the following days, due to increasing solar activity and a calmer state of the Earth's magnetosphere, shortwave propagation should improve again. However, if another large solar flare occurs, the development could be much more dramatic. Another reason for the current instability of shortwave conditions is the rise in Summer sporadic-E layer activity in the northern hemisphere.

Spaceweather.com reports NOAA forecasters say a G2 class geomagnetic storm is possible on May 31 when a CME grazes earth. But a NASA forecast suggests a near miss. This is from a CME at 1433 UTC on May 29 from sunspot group AR3664.

More on sunspot group AR3664:

<https://bit.ly/4bAeJKA>  
<https://bit.ly/3wY48tT>  
<https://tinyurl.com/2p9c98tm>  
<https://tinyurl.com/mskr6ptb>  
<https://tinyurl.com/ypnjcc6d>  
<https://tinyurl.com/2pvuk5db>

The latest video from Dr. Tamitha Skov, WX6SWW: <https://youtu.be/O2Y9QGLMvsc>

Send your tips, reports, observations, questions and comments to [k7ra@arrl.net](mailto:k7ra@arrl.net). When reporting observations, don't forget to tell us which mode you were operating.

For more information concerning shortwave radio propagation, see <http://www.arrl.org/propagation> and the ARRL Technical Information Service web page at, <http://arrl.org/propagation-of-rf-signals>. For an explanation of numbers used in this bulletin, see <http://arrl.org/the-sun-the-earth-the-ionosphere>.

An archive of past propagation bulletins is at <http://arrl.org/wlaw-bulletins-archive-propagation>.

More good information and tutorials on propagation are at <http://k9la.us/>.

Also, check this QST article about Solar Indices: <https://bit.ly/3Rc8Njt>

Instructions for starting or ending email distribution of ARRL bulletins are at <http://arrl.org/bulletins>.

Sunspot numbers for May 23 through 29 2024 were 130, 100, 106, 148, 116, 141, and 131, with a mean of 124.6. 10.7 cm flux was 176.2, 162.8, 152.4, 155.6, 170, 166.4, and 170.5, with a mean of 164.8. Estimated planetary A indices were 10, 9, 6, 10, 8, 6, and 6, with a mean of 7.9. Middle latitude A index was 10, 11, 6, 10, 9, 7, and 10, with a mean of 8.

*Courtesy ARRL Newsletter*

### **ARRL Volunteers Obtain Ham Exemption to Pennsylvania Handsfree Law**

ARRL volunteers in Pennsylvania have successfully protected the legal right to use amateur radio while operating mobile within the state. A handsfree distracted driving bill had worked its way through the legislature over the past several years, and ARRL Atlantic Division Director Bob Famiglio, K3RF, successfully advocated for an exemption for licensed radio amateurs. "The bill survived until just before the latest vote, which stripped out our exemption but left in exemptions for commercial drivers, including truck drivers, bus drivers, and public transportation [drivers]," he wrote in a message to ARRL members in Pennsylvania.

In April, the exemption was stripped from the bill, sending Pennsylvania hams into a state of worry. ARRL members in the state rallied, contacting their state legislators to explain the benefit that licensed operators provide to the state. The bill also was going to remove the ability for first responders, such as volunteer firefighters, to use radios in their personally owned vehicles. "Hundreds of

(Continued on page 5)

(Continued from page 2)

**Updated 5/29/2024**

This update includes information about the status of several services as we continue to respond to a serious incident involving access to our network and systems.

The ARRL Volunteer Examiner Coordinator (ARRL VEC) has resumed the processing of Amateur Radio License applications with the FCC. A more comprehensive update on the status of ARRL VEC services is available [here](#).

There has been no interruption to visitor operating at W1AW, the Hiram Percy Maxim Memorial Station. The station resumed voice bulletins on Thursday, May 23. All other scheduled transmissions, including Morse code practice, and code and digital bulletins, will resume on Thursday, May 30. Please refer to the regular operating schedule at [www.arrl.org/w1aw-operating-schedule](http://www.arrl.org/w1aw-operating-schedule).

After last week's distribution of the ARRL Letter, our e-newsletter service has resumed. Current editions of ARRL Club News and The ARES® Letter have also been distributed.

ARRL Store orders have resumed shipping. Orders are being fulfilled from earliest order dates to the latest. Please allow additional time for our processing.

There has been no disruption to the @arrl.net email forwarding service, though forwarding email addresses and aliases cannot be modified at this time.

Our telephone system is unavailable at this time.

We appreciate your patience as we continue working on restoring access to affected systems and services.

*Courtesy ARRL Newsletter*

### The K7RA Solar Update



From Tad Cook, K7RA Seattle, WA May 31, 2024

Solar activity was quiet this week. Average daily sunspot number slipped from 155.1 to 124.6, and average solar flux from 198.9 to 164.8.

Geomagnetic conditions were quiet, with average planetary A index going from 13.9 to 7.9, and middle latitude A index from 11.7 to 9.

Eight new sunspot groups emerged, one on May 23, two on May 25, four on May 26, and one on May 28.

The outlook for the next month predicts solar flux at 175 on May 31 through June 6, then 210, 200, 195, 190, 185 and 180 on June 7-12, 170 on June 13-14, 165 on June 15, 190 on June 16-17, 185 on June 18, then 190 on June 19-20, then 185, 195 and 200 on June 21-23, then 210, 210 and 215 on June 24-26, 225 on June 27-29, 220 on June 30 through July 1, 210 on July 2-4, then 200, 195 and 190 on July 5-7.

Predicted planetary A index is 25 on May 31 and June 1, 5 on June 2-7, then 10, 12, 8, 12 and 10 on June 8-12, 5 on June 13-19 then 15 and 12 on June 20-21, then 5, 12, 8 and 5 on June 22-25, and 5, 10, 12, 12 and 8 on June 26-30, then 5 on July 1-4, then 10, 12, 8, 12 and 10 on July 5-9.

Weekly Commentary on the Sun, the Magnetosphere, and the Earth's Ionosphere from OK1HH.

"Over the past seven days, two active regions have returned to the solar disk where large solar flares with CMEs were observed during the last solar revolution. These were regions AR3663 and AR3664, now designated AR3691 and AR3697. The activity of the latter caused a major geomagnetic storm with auroras on 10 May, the largest in decades. Until these large groups of spots reach the center of the solar disk or near the central meridian (i.e., approximately June 6-7), solar activity will increase in a roughly 20-day fluctuation and then decrease again.

(Continued on page 3)

(Continued from page 3)

emails then went out to legislators and such and back to me. We also helped our volunteer emergency responders who were in the same boat as us with radio use from their personal cars. Many members are also emergency responders as well, and they picked up on this too," said Famiglio.

This week, the Pennsylvania House of Representatives voted in favor of accepting the bill with the exemption. The senate passed it last summer. The bill is now on its way to Governor Josh Shapiro's desk, where he is expected to sign it. Mobile use of amateur radio will continue in Pennsylvania, thanks to ARRL advocacy and government relations carried out by member-volunteers.

Courtesy ARRL Newsletter

### **ARRL Learning Center Features Two New Emergency Communication Training Courses**

ARRL has released [two new courses](#) to train emergency communications (EmComm) operators for volunteering within the [Amateur Radio Emergency Service® \(ARES®\)](#). Both courses are within the ARRL Learning Center.

The Basic EmComm course is designed to get a new volunteer started. It provides basic knowledge and tools for any emergency communications volunteer and contains three modules and 11 topics, including required prerequisites. It's expected to take approximately 10 - 20 hours to complete.

The Intermediate EmComm course builds on the lessons learned in the first course and equips volunteer radio amateurs with the tools needed to thrive in the fast-paced environment of public service communications and to understand the legal rights and responsibilities of working with a served agency, as well as teach them and how ham radio fits into the broader incident command (IC) structure.

The new courses replace the previous EC-001 and EC-016 programs, however, certificates of completion earned for the previous courses are still valid. "Training is not a one-and-done thing. Throughout my firefighting and emergency management career, we were constantly taking new courses to reinforce existing knowledge and introduce new concepts," said ARRL Director of Emergency Management Josh Johnston, KE5MHV. "Engaged volunteers should want to stay up to date on advances in the science of emergency communications. I'd even encourage veteran operators to take the new courses."

In 2023, the Federal Emergency Management Agency (FEMA) [revised the Guide for National Emergency Preparedness](#) to specifically include amateur radio. ARRL and FEMA entered into a new Memoranda of Understanding in May 2023 that outlined the importance of trained radio amateurs within the response ecosystem.

"Amateur radio is as important as ever in emergency management," said Johnston. "The new courses will keep hams trained to serve effectively."

The ARRL Learning Center at [learn.arrl.org](#) is a member benefit and features many ways to get the most out of your amateur radio license. The Basic and Intermediate EmComm courses are available to anyone with a free [www.arrl.org](#) account. Users must log in to the ARRL Learning Center with this account, and functionality of the site relies on cookies being enabled.

Courtesy ARRL Newsletter

### **Elmer's Corner**

Welcome to Elmer's Corner. This will be a section where hams can request help with ham related issues. Our goal is to match someone with experience with the issue you are having in order to resolve your problem. This is intended to cover all aspects of ham radio:

Equipment    Software    Antennas    Operations

Send the editor an email detailing the issue: [wa4ywm@comcast.net](mailto:wa4ywm@comcast.net).

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## Solar Activity Significantly Affecting Ionosphere, FCC Opens Docket for Comments on Impact

### Aurora Propagation, Northern Lights

The sun has been busy, and it's been a mixed bag for radio amateurs. Earlier this month, millions of people got a chance to see the aurora borealis for the first time, as the northern lights were active farther south than they had been in decades. The brilliant displays, visible as far south as Mexico, were a result of a series of coronal mass ejections. The energy from our star interacted with particles in the upper atmosphere, causing them to glow in dancing curtains of multicolored light.

VHF aurora activity was up significantly, according to DX spotting clusters and activity heard on the air. The 2- and 6-meter bands were especially active, as the aurora acted like a reflector in the sky to enable signals to propagate much farther than they normally can on those bands.

### G5 Storm Significantly Impacted Ionosphere

ARRL Central Division Director Carl Luetzelschwab, K9LA, is a leading expert on propagation. He's provided the following analysis of the situation:

May 10, 11, and 12 of 2024 may go down as one of the greatest space weather storm periods of our lifetimes. It all started with two big sunspots in early May. These two big sunspots were identified as AR3663 (in the northern solar hemisphere) and AR3664 (in the southern solar hemisphere). AR stands for Active Region.

Both of these sunspot regions produced multiple M-class and X-class solar flares, which caused radio blackouts (signals were significantly attenuated) on the sunlit side of Earth. Typically, a radio blackout lasts for an hour or so, is most severe on the lower frequencies, and is due to the x-ray radiation from the solar flare increasing D-region absorption.

Not only did the big solar flares cause radio blackouts, they also caused solar radiation storms due to energetic protons that increased ionospheric absorption in the D region in the polar caps (the area inside the auroral ovals). Solar radiation storms can last for a couple of days and can result in degraded propagation on over-the-pole paths.

But the biggest impact to propagation started on May 8, when AR3664 released multiple Earth-directed CMEs (coronal mass ejections). CMEs manifest themselves as geomagnetic storms by significantly increasing the 3-hour K index. The K index indicates the activity of the Earth's magnetic field and ranges from 0 (quiet) to 9 (extremely disturbed). The image (from <https://www.swpc.noaa.gov/>) shows the [data from May 10 - 12]. When the K index is this high for such a long time, the electron density in the F2 region of the ionosphere can be significantly depleted for days, not allowing higher frequencies to be propagated. On-the-air activity confirmed this.

In summary, early May was a very interesting period. We saw all three categories of disturbances to propagation — radio blackouts (x-ray radiation from solar flares), solar radiation storms (energetic protons from solar flares), and geomagnetic storms (elevated K indices).

### FCC Opens Comments About CME Comms Impacts

The Federal Communications Commission's Public Safety and Homeland Security Bureau wants to know if you noticed any impacts to radio communications during the storm. In a public notice, the FCC wrote:

*To better understand the impacts of the geomagnetic storm on the U.S. communications sector, the Bureau is requesting information from communications service providers and the public regarding disruptions in communications between May 7 and 11, 2024, that it believes to be a result of the storm. The Bureau is encouraging commenters to provide any available evidence, particularly electromagnetic spectrum analyses, imagery, or chronological logs relating the storm's impacts. Where possible, the Bureau asks that commenters include the description of the impacts; make and model of affected communications equipment, which could include transmitters, receivers, transceivers, switches, routers, amplifiers etc.; make, model, and type of affected antennae and their composition; frequencies affected; type and composition of cable adjoining communications equipment and the antennae, if applicable; duration of the impact; and any residual effects observed in the hours following restoration.*

The public notice is at [this link](#) (PDF). Comments may be submitted using the FCC's Electronic Comment Filing System (ECFS) at <https://www.fcc.gov/ecfs> and referring to PS Docket No. 24-161. ARRL's guide to filing comments is at [this link](https://www.arrl.org/arrl-guide-to-filing-comments-with-fcc): <https://www.arrl.org/arrl-guide-to-filing-comments-with-fcc>

### 2024 Contest Calendar

#### June

##### 1-2 [International Digital Contest](#)

1800 UTC Saturday, ends 2359 UTC Sunday

##### 8-10 [June VHF](#)

1800 UTC Saturday, ends 0259 UTC Monday

##### 15 [Kids Day](#)

1800 UTC through 2359 UTC

##### 22-23 [Field Day](#)

1800 UTC Saturday, end 2059 UTC Sunday

#### July

##### 13-14 [IARU HF World Championship](#)

1200 UTC Saturday and runs through 1159 UTC Sunday

##### 20-21 [North American QSO Party, RTTY](#)

1800Z, Jul 20 to 0559Z, Jul 21

#### August

##### 3-4 [North American QSO Party, CW](#)

1800Z, Aug 3 to 0600Z, Aug 4

#### QSO Parties

Kentucky 1300Z, June 1 to 0100Z, Jun 2

West Virginia 1600Z, Jun 15 to 0400Z, Jun 16

### 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 2024 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, 1st Wednesday at 6:30. Levittown Library - 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](mailto:wa3ylq@arrl.net).

**Philadelphia, PA,** Testing is done on the 3rd, non holiday Monday of the month at the Giant Supermarket, 315 York Rd., Willow Grove, 19090 at 6:30 PM in the Community Room. For further information contact James McCloskey at jmcloskey@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 ➤ 2024 ➤

#### June 15 - [Bloomsburg Hamfest](#)

Lime Ridge Community Center 6360 Hughes Street

Lime Ridge, PA

[https://www.qsl.net/cm-arc/Newsletter/Current/Hamfest\\_Flyer.pdf](https://www.qsl.net/cm-arc/Newsletter/Current/Hamfest_Flyer.pdf)

#### June 16 - [BARC Father's Day Hamfest and Swapmeet](#)

Arcadia Fairgrounds 16920 Carnival Ave.

Upperco, MD 21155

<http://w3ft.com>

#### July 6 - [Firecracker Hamfest](#)

Harrisburg Postal Employees Picnic Grounds 1500 Roberts Valley Rd.

Harrisburg, PA 17101

<http://www.w3uu.org>

#### July 27 - [CVARC Annual Hamfest](#)

Chambersburg Steam and Engine show grounds 1500 Cridders Church Road

Chambersburg, PA 17201

<http://w3ach.com>

#### August 3 - [Reading Radio Club Hamfest](#)

Heritage Park 992 Clematis St. Sinking Spring, PA

<http://www.qsl.net/w3bn/>

### CLUB INFO

#### PUBLIC SERVICE

June – Golf Outing  
October – Golf Outing Part

#### 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 \$12.50 annually and are approved by the Board. Please contact the Membership Committee for more information if interested."

#### ATTENTION MEMBERS

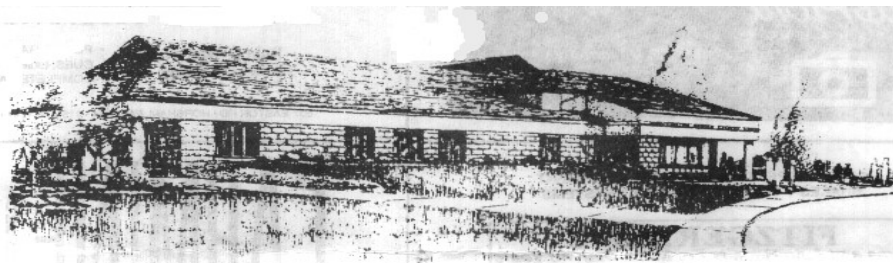
The Membership Committee can provide Club badges. Two types are available: an engraved plastic call sign and name badge for \$8 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership. Pictures for the club badge will be taken before club meetings on even 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](mailto:membership@k3dn.org).

If you want to have your picture taken to be placed on the 'Members' Photos' section of the [www.k3dn.org](http://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 2024

- **June – Pizza Night / Bucks County History, Dan McPhillips**
- **July - No Meeting**
- **August - Intro to Antenna Modeling**

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.



**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, Dave McGowan KC3RAT

**Area Repeaters**

**VHF**

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

**220**

- 224.580 PackRats
- 223.76 K3NAL

**UHF**

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

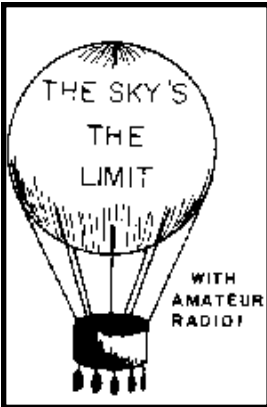
**D-STAR**

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

**6 Mtr**

- 53.030 WA3BXW
- 53.230 N3DQZ
- 53.320 K3MFI

*The Warminster Amateur Radio Club  
Announces Free Ham Radio Instructional Classes*



If you're interested in Ham Radio, or think you might be, this is your opportunity. Perhaps you'd like to learn about digital communications, 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.

New Classes (Tech and General) to start Sept 13 from 7 pm to 9 pm.

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

**Bucks County Amateur Radio Emergency Service (BCARES)**

[www.bucksares.org](http://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](mailto: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:

[WARMrinfo@gmail.com](mailto:WARMrinfo@gmail.com)

### Visit our Home Page at:

<http://www.k3dn.org>

The annual dues rate structure is as follows:

**Full Member:     \$25.00**  
**Student:           \$ 7.50**  
**Alumni:             \$12.50**

- Are your dues current ?

## 2024 Officers

### Executive Officers

President	Ray Oechslin	KA3TRU	267-269-3198
Vice-President	Dave McGowan	KC3RAT	215-850-5846
Secretary	Tony Simek	N3YNH	215-796-0336
Treasurer	Tom Newman	K3PLA	215-630-5965
Director (A)	Doug Becker	KC3MNQ	215-932-1370
Director (E)	Larry Abbott	WA3ELQ	215-704-3282
Director (A)	Bruce Farrington	WA3ZPC	215-262-4215
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	Dave McGowan	KC3RAT	215-850-5846
	Dan Clementi	K3GMQ	267-337-0392
Digital and APRS	Ron Wenig	NY3J	215-638-9257
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 24	Herb Hickmott	KB3VMN	267-718-3601
Hamfest 24	Tony Cuttone	W3FLH	267-679-9297
Hamwear	Kathy Acker	KC3FBY	215-815-7978
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Tony Cuttone	W3FLH	267-679-9297
Net Manager	George Brechmann	N3HBT	215-443-5656
PA QSO Party	Mark Kempisty	AA3K	
Publicity	Herb Hickmott	KB3VMN	267-718-3601
Refreshments	Arlene Newman	KA3PLA	215-345-4539
RF Interference	Bill Ballantine	K3FMQ	215-766-0764
Repeater Coordinator	Brian Taylor	N3EXA	215-257-6303
Safety Officer	Mike Malone	W3MJM	215-639-2175
Station Trustee	George Brechmann	N3HBT	215-443-5656
Good and Welfare	Regina Litman	KC3LRF	
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	Kathy Acker	KC3FBY	215-815-7978
Youth Programs			