



# FEEDBACK



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

Warminster Amateur Radio Club

December 2023

**Next Meeting December 7th - Holiday Dinner 6:30**

## President's Message

Hello All,

Well the holiday season is upon us. I'm hoping that everyone will have a healthy, and safe holiday. We are having our Holiday Dinner once again. This is the first dinner since the COVID lockdowns. Our club is trying again to be what it once was before the lockdowns. As we move forward, we are going to try and bring our club back to the active club it once was. I have outlined in previous messages the events and activities we are trying to bring back. I assure everyone that we are putting out all of the plans and ideas that the board has and also any ideas that the general membership brings up. While there are many postings on the WARCtalk about what the club has been in the past, I assure you that we are trying to accommodate everyone, but, without participation we are only spinning our wheels. Your Board members are not keeping any secrets and we are totally transparent. I'm hoping that the Dinner is the first step of many more to come. We will be having a general meeting that will be a town hall meeting. I encourage all members to attend and bring your thoughts and ideas to that meeting. We will announce the meeting in advance to give everyone the chance to attend. This will be the time to air your grievances, thoughts, and ideas for the club going forward. I'm hoping that we get a good turnout for this meeting. Please check WARCtalk for the announcement and of course it will be announced here also.

Please have a great Holiday season and please be safe.

Ray – KA3TRU

## Warminster ARC General Meeting Minutes November 2 , 2023

Call to Order: 7:35 pm by Tom (K3PLA)

Introductions and Attendance: 28

Minutes from last Meeting: Approved as submitted with no additions or corrections.

### Committee Reports:

**Treasurer's Report:** Tom (K3PLA) As given

### **Programs:** Tom (K3PLA)

November – Mark (AA3K) POTA - Parks on the Air

December – Holiday Party

January – Roundtable discussion (tentative)

February – Club Auction

**Membership:** Tony (W3FLH) 128 Members on roll, 103 paid; 95 Regular, 2 Student, 6 Alumni – rest unpaid

**Public Service:** George (N3HBT) Nothing from now until the end of the year.

**Classes:** Dan (K3GMQ) Zoom classes; tech is done/general ½ way done with about 6 people

**VEC Testing:** October, 10/30 1 Extra, 6 Tech all passed. Next test session last Monday in November 11/27.

**Repeater:** There was a problem with a sound board which was replaced. The Bristol input is currently down.

**Good and Welfare:** Regina (KC3LRF) – cards sent to the following:

Brian Taylor N3EXA - Death of mother

Elliott Ressler W3YEP - Death of wife

Tom Newman K3PLA - Surgery

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Dave McGowan 3rd KC3RAT - Death of father, Dave Jr. K3FTD

**Contests:** WWSSB this past weekend. ARRL Worldwide this coming weekend.

Members should check either the Feedback or ARRL website for details.

Old Business:

**Club Station:** Everything working with no problems.

**Club Dinner:** Invitations to be sent out next week.

**Constitution Changes:** The proposed amendment passed 50 for and 2 against. A revised Constitution and Bylaws will be posted to the website in the next few weeks.

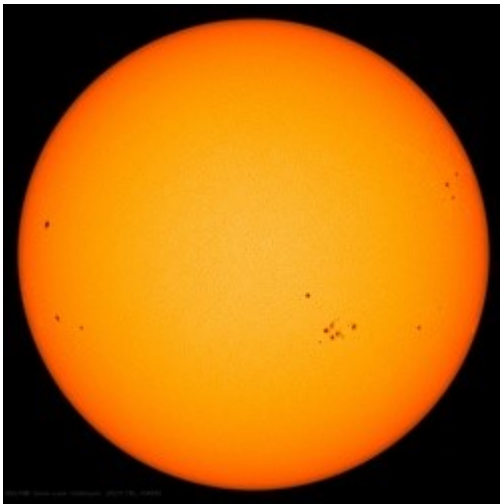
New Business:

**Ron Small Estate:** Items available tonight. Proceeds to go to WARC.

**Announcement:** The Southeast Pennsylvania Cold War Historical Society is holding a tribute to Veterans on Thursday November 9<sup>th</sup> at the FUGE.

Business Meeting Adjourned: 8:00 pm

### The K7RA Solar Update



Tad Cook, K7RA, of Seattle, Washington, reports for this week's ARRL Propagation Bulletin, ARLP048:

The Australian Space Weather Forecasting Centre issued the following Geomagnetic Disturbance Warning #23/74 at 2321 UT on November 29, 2023:

"Several coronal mass ejections (CMEs) are expected to impact Earth on November 30 and December 1, 2023. Two CMEs were observed on November 27 that were expected to arrive on November 30, followed shortly by a very mild, glancing blow from a third. One or possibly two halo CMEs were observed on November 29, which are Earth-directed. It is likely that all or some of these CMEs will combine on their trajectory toward Earth, making it difficult to pinpoint an exact arrival time. However, G3-G4 geomagnetic conditions are possible over this period."

Over the past reporting week, 10 new sunspot groups appeared. There were three on November 23, one each day on November 24 - 26, another on November 28, and three more on November 29.

Solar disk image taken on November 30, 2023.

[Photo courtesy of NASA SDO/HMI]

Solar numbers increased, with the average daily sunspot number rising dramatically from 83.3 to 165.9, doubling from the previous week.

The average daily solar flux rose from 146 to 181.5.

Geomagnetic numbers rose slightly, with the planetary A index changing from 10.1 to 11.6, and the middle latitude number changing from 7.3 to 7.6.

Predicted solar flux is 175 on November 30; 170 on December 1; 165 on December 2 - 3; 160 on December 4; 150 on December 5 - 6; 140 on December 7 - 8; 145 on December 9 - 10; 140 on December 11 - 16; 150 on December 17, and 160 on December 18 - 28.

Predicted planetary A index is 30, 56, and 22 on November 30 through December 2; 10, 10, 12, 10, and 10 on December 3 - 7; 5 on December 8 - 11; 10 and 8 on December 12 - 13; 5 on December 14 - 17; 15, 25, 8, and 5 on December 18 - 21, and 20, 10, 10, 8, and 5 on December 22 - 26.

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Watch a new video from Dr. Tamitha Skov, WX6SWW, about solar storms at <https://youtu.be/qiHtkXfZnQo>.

Sunspot numbers for November 23 - 29, 2023, were 176, 184, 179, 169, 159, 130, and 164, with a mean of 83.3. The 10.7-centimeter flux was 194.2, 178, 176.4, 180.2, 187.3, 183.5, and 170.6, with a mean of 146. Estimated planetary A indices were 7, 7, 38, 10, 7, 7, and 5, with a mean of 10.1. Middle latitude A index was 4, 5, 18, 9, 2, 6, and 9, with a mean of 7.3.

Send your tips, questions, or comments to [k7ra@arrl.net](mailto:k7ra@arrl.net).

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](#) the Propagation Page of Carl Luetzelschwab, K9LA.

A propagation bulletin [archive](#) is available. For customizable propagation charts, visit the [VOACAP Online for Ham Radio](#) website.

[Share](#) your reports and observations.

A weekly, full report is posted on [ARRL News](#).

Courtesy ARRL Newsletter

### **ARRL RF Safety Committee Develops New Guidelines to Communicate RF Safety**

Radio amateurs now have a new tool from ARRL to help answer questions about their stations. Neighbors of amateur radio operators are sometimes concerned about transmissions and radio frequency exposure from amateur stations.

The [ARRL RF Safety Committee](#), with their international counterparts at the Radio Society of Great Britain (RSGB), the Irish Radio Transmitters Society (IRTS), and the Swedish Society of Radio Amateurs (SSA), has developed a new set of guidelines to help amateurs interact with and talk to their neighbors about RF exposure.

Chairman of the ARRL RF Safety Committee Greg Lapin, N9GL, said the new informational PDF found on the ARRL RF Exposure page, [Helping Amateurs Interact with Neighbors Asking About Radio Transmissions](#), was developed after a year of discussions about RF safety.

"Neighbors may be alarmed by some of the misinformation about RF safety that is available from a variety of sources. By following the exposure regulations from the Federal Communications Commission, we can be confident that our families and neighbors are safe," Lapin said.

Lapin added that RF exposure regulations are based on decades of trustworthy research. He also encouraged all amateur radio operators to perform exposure assessments for their stations to make sure they meet those regulations.

Courtesy ARRL Newsletter

### **ARRL Advocacy Win: FCC Approves Request for Pearl Harbor Day Crossband Operations**

ARRL sought a waiver on behalf of the activators, and the Federal Communications Commission (FCC) has granted it. The [waiver](#) allows amateur radio operators to participate in a special event commemorating the 82nd annual National Pearl Harbor Remembrance Day.

[The Battleship Iowa Amateur Radio Association \(BIARA\)](#), with authority from the US Navy and Southwest Marine Corps Spectrum Office, will honor the sailors and ships previously homeported in San Pedro, California, who were attacked on December 7, 1941. There will be special crossband activations of NEPM, Battleship Iowa's original call sign, on December 6, 7, 8, and 9, 2023.

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Using the call sign NEPM, the club will transmit on assigned military frequencies and listen for calls from the amateur radio community on their adjacent bands. NEPM will transmit on 14.375, 18.1625, and/or 21.856 MHz on J3E/USB and/or A1A/CW. (Note: 18.1625 MHz is within US amateur allocations for 17 meters) The club operator will tell participating hams where BIARA will be listening, which will be 10 KHz below the top of each adjacent band when working J3E/USB, or 10 KHz above the bottom of each adjacent band when working A1A/CW. Amateur participants are reminded not to transmit on the NEPM military frequencies. Operations on all 4 days are expected to be from 0700 to 1600 PST (1500 to 2400 UTC).

The FCC stated the grant of the waiver meets the second prong of the waiver standard in section 1.925(b)(3)(ii) in that the event presents a unique opportunity for the amateur and military communities to practice communication skills under the guidance of military officials, which may be useful in the future and serves the public interest.

In addition to the skills gained by amateur operators participating in the test, National Pearl Harbor Remembrance Day has historical significance. It emphasizes the importance of reliable communications and the need to be vigilant in national defense.

If amateur radio operators who wish to participate are licensed in a country outside the US, BIARA advises to check the terms and conditions that govern their respective licenses.

QSL procedures can be found at <https://biara.org>. For specific questions before the operation, email [w6hb@biara.org](mailto:w6hb@biara.org).

Courtesy ARRL Newsletter

### Florida Hams Make Contact 100 Miles Apart via 10-Meter Repeater... in Switzerland.

When 10 meters is open, amazing things can happen. Lu Romero, W4LT, knows that well. He said, "When 10 is open, I often venture up into the top of the band to see if there is any FM activity. I've always liked to use 10 FM, especially when conditions are marginal to observe the Faraday phase distortion on signals. Before FT8, 10 FM was always a good way to discover where the band was propagating to in addition to the beacons. If you hear FM (especially repeaters) operating, then the propagation is really good!"

At around 1500z on October 23, 2023, the band was open. Romero stated that he went to the top of the band and "found multiple signals in both simplex and via repeaters."



The Battleship Iowa at home port in San Pedro, California. [Photo courtesy of Battleship USS IOWA Museum]



Tower 1 of the Tampa Amateur Radio Club, with the Force 12 C31XR antenna, second from the top. [Lu Romero, W4LT, photo.]



A Google Maps display of the nearly 5,000-mile distance each leg of the QSO traveled.

"Usually, I receive a repeater in New York City, KQ2H, one of the strongest signals I can get down here in Florida when 10 is open, but today there was another strong signal [of] 10 kHz above it," he said.

Using a FLEX-6400 at 75 W and the C32XR beam at 108 feet that he maintains for the [Tampa Amateur Radio Club](#), he heard an ID through the splatter from the KQ2H repeater. "It was [HB9HD in Switzerland!](#) I set up for split and reduced power to 75 W on the Flex and gave the repeater a kerchunk." Romero was able to contact a Swiss ham, Rene, HB3XVR, on the repeater's 70-centimeter link.

Then, on October 31, again around 1500z, Romero tried the repeater once more. "I found the repeater full quieting, even stronger than it was on October 23, and with no QRM from KQ2H, so it was clean and easy to copy!

For the heck of it, I called CQ several times on the repeater. I received no callers, but

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finally, I received a signal that was fading up and down. I called again and that signal stopped fading for a while, and I was able to work David, WA3LXD, over the HB9HD repeater. After a little while, his signal settled down, and David asked me what my QTH was, and I told him I was in Tampa. He laughed and said we worked each other 'the hard way,' because he was in Ocala, about 100 miles to my north," said Romero.

As Solar Cycle 25 continues to rise toward its peak, amateurs can expect to encounter more exciting propagation, especially on the 10- and 6-meter bands. In this case, the signals traveled roughly 9,800 miles round trip. Your mileage may vary.

*Courtesy ARRL Newsletter*

### **The University of Scranton Amateur Radio Club, W3USR, Got a Facelift**

With a grant from [Amateur Radio Digital Communications \(ARDC\)](#) for almost \$200,000 and private donations of more than \$20,000, the University of Scranton Amateur Radio Club in Scranton, Pennsylvania, has installed new amateur radio equipment and antennas for its station, W3USR.

The station is now located on the fifth floor of the university's Loyola Science Center and features state-of-the-art operating positions with heavy-duty controllers, all-mode transceivers, speakers, desktop microphones, and other components that allow students to operate on amateur radio frequencies. A 40-foot tower with a high-frequency antenna for 14, 21, and 28 MHz has been installed, as well as VHF/UHF satellite and microwave antennas -- some with rotating mounts.

The ARDC grant was awarded to the university's Physics and Engineering Department Assistant Professor Nathaniel Frissell, W2NAF, and the private donations were made by Dr. Mary Lou West, KC2NMC; Ed Hayes, N6XEM, and Jeff DePolo, WN3A.

Dr. Frissell said the impact of the new station means everything to the club. "When you can bring a group of students into a new facility like this one, the impact makes a lasting impression that will allow them to fully experience amateur radio," he said.

Dr. Frissell added that the first radio contacts have been made, and the station is working on 10, 15, and 20 meters with additional installation work remaining. An additional room on the same floor holds equipment and antenna connections and, will be used as a lab for controlled [HamSCI](#) space research projects. The new capabilities of W3USR will also allow for ongoing and future HamSCI research projects to be undertaken by Dr. Frissell and university students.

W3USR was founded in the spring of 2020 with a mission to educate students on the ionosphere and the importance of radio communication. The club regularly participates in the [ARRL Collegiate Amateur Radio Program](#).

*Courtesy ARRL Newsletter*

### **ARRL Hails FCC Action to Remove Symbol Rate Restrictions**

ARRL reports that Monday, November 13, 2023, the FCC Commissioners unanimously voted to amend the Amateur Radio Service rules to replace the baud rate limit on the amateur HF bands with a 2.8 kHz bandwidth limit to permit greater flexibility in data communications.

"The Federal Communications Commission today [adopted](#) to incentivize innovation and experimentation in the amateur radio bands by removing outdated restrictions and providing licensees with the flexibility to use modern digital emissions," [announced](#) the FCC.

"Specifically, we remove limitations on the symbol rate (also known as baud rate) -- the rate at which the carrier waveform amplitude, frequency, and/or phase is varied to transmit information -- applicable to data emissions in certain amateur bands," concluded the FCC [Report and Order and Further Notice of Proposed Rulemaking](#) (DA/FCC # FCC-23-93; WT Docket No. 16-239) adopted November 13, 2023. "The amateur radio community can play a vital role in emergency response communications, but is often unnecessarily hindered by the baud rate limitations in the rules."



**A crane lifts an antenna into place for W3USR's new location. [Photo courtesy of Byron Maldonado, University of Scranton]**



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Consistent with ARRL's request, the amended rules will replace the current HF restrictions with a 2.8 kHz bandwidth limit. "We agree with ARRL that a 2.8 kilohertz bandwidth limitation will allow for additional emissions currently prohibited under the baud rate limitations while providing sufficient protections in the shared RTTY/data sub-bands," concluded the FCC Report and Order.

ARRL President Rick Roderick, K5UR, hailed the FCC's action to remove the symbol rate restrictions. Roderick stated that "this action will measurably facilitate the public service communications that amateurs step up to provide, especially at times of natural disasters and other emergencies such as during the hurricane season. Digital technology continues to evolve, and removing the outmoded data restrictions restores the incentive for radio amateurs to continue to experiment and develop more spectrum-efficient protocols and methods while the 2.8 kHz bandwidth limit will help protect the shared nature of our bands. We thank Congresswoman [Debbie] Lesko (AZ-08) for her efforts on behalf of all amateurs to get these restrictions removed."

In a Further Notice of Proposed Rulemaking (FNPRM), the FCC proposes to eliminate similar restrictions where they apply in other bands. "We propose to remove the baud rate limitation in the 2200-meter band and 630-meter band... and in the very-high frequency (VHF) bands and the ultra-high frequency (UHF) bands. Additionally, we seek comment on the appropriate bandwidth limitation for the 2200-meter band, the 630-meter band, and the VHF/UHF bands." ARRL has previously expressed its support for eliminating the symbol rate limits in favor of bandwidth limits where they apply on the VHF and UHF bands but suggested that the bandwidth limits themselves be reviewed in light of today's technology and tomorrow's possibilities. Similarly, when eliminating the baud limits on the 2200- and 630-meter bands, consideration should be given to what, if any, bandwidth limits are appropriate.

The new rules will become effective 30 days after being published in the [Federal Register](#). The FCC will announce a period for public comment on the additional proposed changes based upon publication of the FNPRM in the *Federal Register*. No date has been set for publication.

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).

## 2023 – 2024 Contest Calendar

### December

#### 1-3 [160 Meter](#)

2200 UTC Friday, ends 1559 UTC Sunday

#### 9-10 [10 Meter](#)

0000 UTC Saturday; runs through 2359 UTC Sunday

#### 17 [Rookie Roundup-CW](#)

1800 UTC through 2359 UTC

### January

#### 1 *Straight Key Night:*

0000 UTC - 2359 UTC

#### 20-22 January VHF Contest

1900Z, Jan 20 to 0359Z, Jan 22

#### 6-7 ARRL RTTY Roundup

1800Z, Jan 6 to 2400Z, Jan 7

## 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 2023 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 [jmccloskey@msn.com](mailto: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](mailto:w3pa@arrl.net)  
Alt Contact: Jim, 610-287-5630

## ➤ ATLANTIC DIV. HAMFESTS

### ➤ 2024



#### Jan 13 - [Winterfest](#)

Vietnam Veterans Association Building

8000 Derry Street

Harrisburg, PA 17101

<http://www.w3uu.org>

#### April 20 - [Delmarva Amateur Radio and Electronics Expo, ARRL Delaware State Convention](#)

Cheer Center

20520 Sand Hill Rd.

Georgetown, DE 19947

## 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

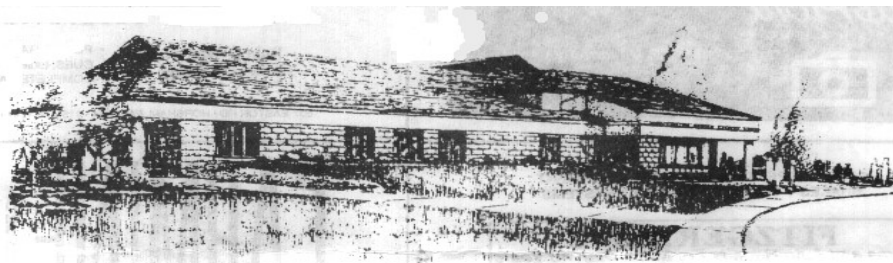
The Membership Committee can provide Club badges. Two types are available: an engraved plastic callsign and name badge for \$8 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership. Pictures for the club badge will be taken before club meetings on even 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](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 2023

### December - Holiday Dinner

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

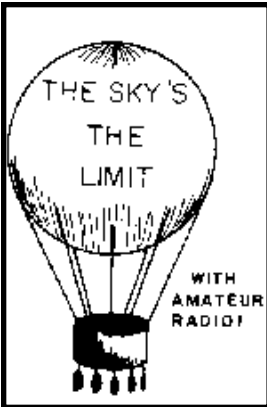
**D-STAR**

- 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 ?

## 2023 Officers

### Executive Officers

President	Ray Oechslin	KA3TRU	267-269-3198
Vice-President	Dave McGowan	KC3RAT	215-850-5846
Secretary	Tony Simek	N3YNH	
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	
Digital and APRS	Ron Wenig	NY3J	215-638-9257
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 23	Herb Hickmott	KB3VMN	267-718-3601
Hamfest 23	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			