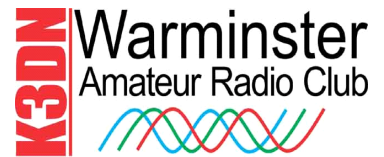




FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

May 2023

Next Meeting May 4th - Eric from Craven Hall, "Bucks County History"

President's Message

Hello All,

Well we are approaching the summer of 2023. With all of the past restrictions on travel and gatherings mostly gone I hope that we can all resume a normal summer this year. It will be great to see relatives and friends and catch up with again. We will be voting for the officers of the club again. Please vote and remember this is your club and you control its destiny. As the summer approaches, we will be increasing our club activities. We have our Hamfest and ARRL EPA convention on May 7th at the Bucks County Community College located on Route 413 in Bristol. A thank you to Mark WA3QVU for taking care of distributing our flyers. We will have some public service activities coming up also. If you can please help, in fact you might get a good meal for helping. As we continue on in May, our past president Irwin KD3TB is working with Council Rock South High School to contact the International Space Station. This contact will be on May 1st at 8:45AM. You can hear the program live starting at 7:33AM at <https://www.crsarc.org/live>. A huge thank you to all who are working with the school especially our club members. This takes a lot of time and hard work to make this happen. Our Field Day is quickly approaching in June. Please try to take some time and participate and lend a helping hand.

I hope to see you all at our next meeting,

73's Ray-KA3TRU

Warminster ARC General Membership Meeting Minutes April 6, 2023

Meeting Called to Order: 7:40 pm

Introductions; 28 Attendees

Minutes from last Meeting:

Motion made and seconded to approve as submitted

Committee Reports:

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

Programs: Dave (KC3RAT)

April- Mike (K3MJN)- "The Other Guys" Other Radio Services. Zoom, power-point presentation presented live to the club.

May- Eric Fleischer "Bucks County History"

June- Philo T. Farnsworth by Coxey Toogood and Pizza Night

Membership: Tony (W3FLH) 121 members, 76 in good-standing.

Public Service: George (N3HBT)

Monday May 29 Memorial Day Parade, 12 radio operators needed with a 10 am start. WARC club tent will be set-up at York Rd. and Henry Ave. Hot dogs, soda and beer to follow at the VFW on Louis Dr.

Five Pond Golf Outing; Thursday June 1. 8am start, eight radio operators needed.

Breakfast before and hot lunch afterwards. Hot dogs and soda during the day.

Next Five Pond Golf Outing will be in October.

Classes: Dan (K3GMQ) / Dave (KC3RAT) *On going with one new Tech student.*

VE Testing: Larry (WA3ELQ) *Seven candidates, four passed (two new Techs, two Extra Class)*

Repeater: Brian (N3EXA) *All Working well. Still looking for a center city PHL antenna input site. Brian had on-hand the UHF-VHF Link Package for demonstration to the attendees.*

Good and Welfare: Regina (KC3LRF) *Nothing to report*

Other Committees:

(Continued from page 1)

Radiosport: Irwin (KD3TB) Working with Bucks County's Council Rock South High School in Holland, PA to contact NASA space station, probably the first week in May. Irwin is working on this project with fellow club members; Andy Vavra (KD3RF), Bill Ballentine, (K3FMQ), Micheal Shanblatt (W3MAS) and Joe Horanzy (AA3JH). There are 40 student members of the school amateur radio club. HF school round-up complete.

Here are some interesting events for April to early May.

April 15th to 16th

Nebraska QSO Party
Texas State Parks on the Air
Michigan QSO Party
Ontario QSO Party
North Dakota QSO Party
Quebec QSO Party
ARRL Rookie Roundup
7th Call Area QSO Party

April 29th to 30th

Florida QSO Party

May 6th to 7th

Indiana QSO Party
Delaware QSO Party
New England QSO Party

(Arizona, Idaho, Montana, Nevada, Oregon, Washington & Wyoming)

Hamfest: Tony (W3FLH) May 7. Ham Fest will once again be an ARRL Section Convention. New ARRL Section Manager will speak. Tables should arrive by 2:30 pm Saturday. Vendor set-up will be available Saturday after noon /evening until 7:00 pm. Gate and Parking attendants needed early. **This will be Tony's last year as ham fest chair man. A new ham fest chairperson is needed for 2024!** A syllabus is available for the new person with guidance from Tony.

Field Day: Herb (KB3VMN) June 24 - 25. "Save the Date" notices were sent with a request for volunteers to help transport and set-up equipment and, operate the equipment, Herb has commitments from Jacek, Doug, Irwin and Tony Radice.

Refreshments: Arlene (KA3PLA)

Old Business:

Club Station: Status- Available for operation before club meetings, amid the construction upstairs.
Elmer Program- Create Elmer's Corner on Website. Tabled.
Website update- Open to suggestions from the members. Tabled until Kathy (KB3FCY) is available.
Dues- Reminder, dues are due for 2023

New Business:

2023 Club Elections for Board of Directors and Officers: In interested, please "throw your hat into the ring." All positions are available, especially club secretary. Please contact a board member if interested.

President- Ray (KA3TRU)

Director (E)- Larry (WA3ELQ)

Vice President- Dave (KC3RAT)

Director (E)- George (N3HBT)

Secretary- OPEN

Treasurer- Tom (K3PLA)

Allowing Members to sell / advertise items for sale on WARC Website- Members in Good-Standing only, as a club membership benefit.

Zoom meetings: Bruce (WA3ZPC) No more Club Meetings on Zoom. All club general members meetings will be held live-attendance.

Pizza-night will return in June. Ham Fest round-up and Field Prep.

Motion made to Adjourn: 8:25 pm

The K7RA Solar Update

Tad Cook, K7RA, of Seattle, Washington, reports for this week's ARRL Propagation Bulletin, ARLP017:

At 0134 UTC on April 27, The Australian Space Weather Forecasting Centre of the Australian Bureau of Meteorology issued a geomagnetic disturbance warning, stating, "An equatorial coronal hole is currently elevating solar wind speeds. Combined with the anticipated impact from a recent CME on April 27, geomagnetic activity is expected to be at G0-G1 levels over April 27 - 28, with a slight chance of an isolated period of G2."

Solar and geomagnetic indicators moved in opposite directions this week. Average daily sunspot numbers over April 20 - 26 made a dramatic drop from 146.9 to 91.4, and average daily solar flux dropped from 164.5 to 139.4.

(Continued on page 3)

(Continued from page 2)



Solar disk image taken April 27, 2023, courtesy of NASA SDO/HMI.

Average daily planetary A index more than tripled from 8.1 to 26.9, while average middle latitude A index more than doubled from 7.3 to 15.6.

Solar wind and explosions caused all of this grief.

Spaceweather.com reported that on April 21, a large magnetic filament on the sun exploded and hurled debris toward Earth.

Later, they reported that on April 23, at 1737 UTC a CME hit Earth, which sparked a severe G4-class geomagnetic storm. Aurora was visible as far south as southern New Mexico and Texas.

The planetary K index went as high as 8 over April 23 - 24.

Predicted solar flux over the next month is 135 on April 27 - 30; 140 on May 1 - 6, then 145, 150, 155, 160, and 165 on May 7 - 11; 170 on May 12 - 13, then 165, 160, 155, 150, 145, and 140 on May 14 - 19; 135 on May 20 - 21; 130 and 125 on May 22 - 23; 120 on May 24 - 25, and 125, 130, and 135 on May 26 - 28.

Predicted planetary A index is 18, 25, and 12 on April 27 - 29; 8 on April 30 through May 3, then 10, 8, 12, and 10 on May 4 - 7; 8 on May 8 - 9, then 5, 5, and 12 on May 10 - 12; 5 on May 13 - 15; 8 on May 16 - 17; 5 on May 18 - 22, then 15 and 18 on May 23 - 34, and 15 on May 25 - 27.

Here is a link to the aurora as observed in China:

<https://bit.ly/41KyY3w>

Here is a link to explaining the aurora:

<https://bit.ly/3n7ROm2>

Sunspot numbers for April 20 through 26, 2023, were 97, 114, 87, 86, 88, 87, and 81, with a mean of 91.4. 10.7-centimeter flux was 147, 151.2, 141.2, 135.2, 133.9, 130.7, and 136.5, with a mean of 139.4. Estimated planetary A indices were 5, 9, 7, 66, 76, 10, and 15, with a mean of 26.9. Middle latitude A index was 5, 8, 6, 32, 39, 7, and 12, with a mean of 15.6.

Send your tips, questions, or comments to 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 of the ARRL Newsletter

(Continued on page 4)

Annual Armed Forces Day Crossband Test

The US Department of Defense (DoD) will host this year's Armed Forces Day (AFD) Crossband Test on May 13, 2023. This annual event is open to all licensed amateur radio operators and will not impact any public or private communications. For more than 50 years, military and amateur stations have taken part in this event.

The AFD Crossband Test is a unique opportunity to test two-way communications between military communicators and radio stations in the Amateur Radio Service (ARS), as authorized in 47 CFR 97.111. These tests provide opportunities and challenges for radio operators to demonstrate individual technical skills in a tightly controlled exercise scenario.

Military stations will transmit on selected frequencies and will announce the specific ARS frequencies monitored. All of the times are Zulu (Z), and all frequencies are Upper Side Band (USB) unless otherwise noted. The frequencies used for the test will not stray outside the confines of the exercise.

A complete list of frequencies, time periods, QSL cards, and other information can be found at [DoD MARS - Armed Forces Day](#).

AFD is a time of honor. It will be celebrated on Saturday, May 20, 2023. The first AFD was celebrated with parades, open houses, receptions, and air shows. Today, many events and activities take place and may include multi-service military displays in areas open to the public, various educational activities that teach children about the armed forces, and large parades with local celebrations.

The longest running AFD parade in the United States is held in Chattanooga, Tennessee. Certain types of music will be played at AFD 2023 events to show respect to those in the armed forces who died for their country.

Courtesy of the ARRL Newsletter

Notable Events on the Timeline of Amateur Radio Disaster Communications

Far from an exhaustive list, here are a few events involving amateur radio communications support over the past 100 years that may help define our role over time and its evolution.

1906 -- According to family lore, radio amateur Barney Osborne, later W6US, provided emergency traffic handling during the San Francisco Earthquake and fire.

1913 -- Hams provided emergency communications during Midwest storms and floods with spark-gap transmitters and crystal receiver sets, as vacuum tubes wouldn't emerge until after World War I and 1919.

1916 -- A national traffic relay system was organized to provide relay of messages cross-country, and 9XE in Illinois originated a message that was received in California in 55 minutes, and on the East Coast an hour after that.

1926 -- The cover of the May issue of *QST* featured a drawing of a railroad engineer holding an ARRL Radiogram with the caption reading, "Amateurs Give Emergency Service for Railroads When Wires Are Down"

1920s -- A motor provided emergency power to the plates of newly invented vacuum tubes in a station of an "RM" -- a "Radio Man" -- during a Mississippi flood.

1925 -- Amateur radio provided the only communications (5 watts CW) during the failed rescue attempt of caver Floyd Collins.

1933 -- Radio amateurs at W6BYF provided disaster communications for the Long Beach, California earthquake. Although his house was demolished, famous ham Don Wallace, W6AM, operated a portable station through his surviving extensive antenna farm with the help of the Navy in supporting the relief effort.

1935 -- Predecessors of ARES established. ARRL had a vision of them in 1917.

1936 -- The catastrophic floods of the northeast (from Maine through to the Ohio River valley) wrecked the ARRL HQ station in Hartford (along the Connecticut River), with amateur radio again providing support. Famous VHF pioneer and ARRL HQ staffer Ed Tilton, W1HDQ, and his wife provided communications.

1937 -- Dr. Joseph Vancheri, W8BWH, was a key relief communications asset, arranging for aid to refugees from the Johnstown floods.

1948 -- Flooding of Vanport, Washington, after the rupture of a Columbia River dike prompted an Amateur Radio Emergency Corps response under EC W7DIS, with amateurs using handheld radios (walkie-talkies).

1957 -- RACES was involved in providing communications support during the Malibu-Topanga Canyon (California) fires. Deputy Chief Radio Officer W6QJW operated under RACES tactical call sign CPT19 and controlled a net on 3995 kHz. The Gonset Communicator was an iconic Cold War/Civil Defense portable transceiver.

1964 -- The Great Alaskan Earthquake hit Anchorage, drawing a massive amateur response in handling emergency and health-and-welfare traffic. It was the most powerful earthquake in North American history, and the second most powerful in recorded history of the world. There was sweeping destruction in the city and the region. George Hart, W1NJM, wrote about the amateur response in the July 1964 issue of *QST*: 314 Alaskan amateurs supported the disaster relief effort, with 1,200 more from around the rest of the country actively supporting them. "KL7DVY reports he operated 20 hours on 2 meters, relaying messages from the Alaska Native Hospital to c.d. headquarters in Anchorage." See the August 2014 issue of *QST*, Public Service column, "Alaska Shield 2014."

1979 -- Hurricanes Frederic and David wrought destruction on the Gulf Coast and East Coast, respectively. Amateur radio support of relief efforts was in evidence in both cases.

That brings us up to the modern era and the emergence of the contemporary emergency management model. A few of the major events beginning in the 1980s that come to mind are hurricanes Gilbert (1988) and Hugo (1989), and the spate of four hurricanes in 2004 that affected us here in Florida extensively. Hurricane Andrew (1992) also wreaked incredible devastation in Florida. Hurricanes Katrina (2005) and Sandy (2012) were game-changers for emergency management thinking and policy for this country. Amateur radio was extensively involved in all cases. And, of course, amateur radio was involved in the colossal relief effort in the aftermath of the 9/11 attacks.

[Much of the above was culled from an excellent presentation given at the ARRL Pacificon convention in San Ramon, California, 2010, by Bart Lee, K6VK, ARRL State Government Liaison, ARRL Volunteer Counsel, Historian and Archivist, California Historical Radio Society, and lecturer, Antique Wireless Society. A tip of the ARRL fedora to him. -- *K1CE*]

Courtesy of the ARRL Newsletter

NASA Names Three Hams for Artemis II Moon Mission Crew

NASA and the Canadian Space Agency (CSA) announced the four astronauts who will venture around the moon on Artemis II. This will be the first crewed mission on NASA's path to establishing long-term moon science and exploration development. The agencies revealed the crew members on Monday, April 3, 2023, during an event at Ellington Field near NASA's Johnson Space Center in Houston, Texas. Three of the four crew members are amateur radio operators.

"The Artemis II crew represents thousands of people working tirelessly to bring us to the stars. This is their crew, this is our crew, this is humanity's crew," said NASA Administrator Bill Nelson. "NASA astronauts Reid Wiseman, Victor Glover, and Christina Hammock Koch, and CSA astronaut Jeremy Hansen, each has their own story, but together, they represent our creed: E pluribus unum - out of many, one. Together, we are ushering in a new era of exploration for a new generation of star sailors and dreamers - the Artemis Generation."

The crew will work as a team to execute an ambitious set of demonstrations during the flight test.

Their assignments are as follows: Commander Reid Wiseman, KF5LKT, Pilot Victor Glover, KI5BKC, Mission Specialist 1 Christina Hammock Koch, and Mission Specialist 2 Jeremy Hansen, KF5LKH. Koch had planned to study and take her amateur license exam in 2019, but her flight was suddenly rescheduled 6 months earlier than originally planned. She had to immediately begin preparing for her flight instead of studying.



The crew of NASA's Artemis II mission (left to right): NASA astronauts Christina Hammock Koch, Reid Wiseman KF5LKT, (seated), Victor Glover, KI5BKC, and CSA astronaut Jeremy Hansen, KF5LKH. Credits: NASA.

The Artemis II mission is scheduled to launch in November 2024. The approximately 10-day flight test will launch on the agen-

cy's powerful Space Launch System rocket, prove the Orion spacecraft's life-support systems, and validate the capabilities and techniques needed for humans to live and work in deep space.

For more information, visit the [NASA](#) website.

Courtesy of the ARRL Newsletter

ARRL Advocates for Radio Amateurs as FCC Proposes Changes to 60-Meter Band

The Federal Communications Commission (FCC) is seeking comments about changing the secondary allocation available to radio amateurs on 60 meters. The FCC issued a Notice of Proposed Rulemaking (NPRM) on April 21, 2023, that deals with the band. In a prior petition, [ARRL The National Association for Amateur Radio®](#) urged protecting the existing use of the band by amateurs when adding a new allocation adopted internationally.

Currently, radio amateurs in the US have access to five discrete channels on a secondary basis: 5332 kHz, 5348 kHz, 5358.5 kHz, 5373 kHz, and 5405 kHz. Users of these channels are limited to an effective radiated power (ERP) of 100 W PEP.

The FCC proposes to allocate 15 kHz of contiguous bandwidth between 5351.5 - 5366.5 kHz on a secondary basis with a maximum power of 15 W EIRP (equivalent to 9.15 W ERP). This allocation was adopted at the 2015 World Radiocommunication Conference (WRC-15).

The federal government is the primary user of the 5 MHz spectrum. The government's manager of spectrum use, the National Telecommunications and Information Administration (NTIA), has expressed support for implementing the allocation as adopted at WRC-15. Doing so would result in amateurs losing access to four of the five discrete channels, and power limits would be reduced from 100 W ERP to 9.15 W ERP. However, it would provide access to a new contiguous 15 kHz band that includes one of the current five channels.

In 2017, [ARRL petitioned the FCC](#) to keep the four 60-meter channels that fall outside the new band, as well as the current operating rules, including the 100 W PEP ERP limit.

The ARRL petition stated, "Such implementation will allow radio amateurs engaged in emergency and disaster relief communications, and especially those between the United States and the Caribbean basin, to more reliably, more flexibly, and more capably conduct those communications."

ARRL said that years of amateur radio experience using the five discrete channels have shown that amateurs can coexist with primary users at 5 MHz while complying with the regulations established for their use. The petition also stated, "Neither ARRL, nor, apparently, NTIA, is aware of a single reported instance of interference to a federal user by a radio amateur operating at 5 MHz to date."

In [the NPRM](#), the FCC recognizes that Canada has already adopted 60-meter allocations and related rules that align with those proposed by ARRL. The Commission wrote, "Finally, we note that Canada has essentially implemented the same rules as ARRL has requested."

The FCC proposed to allocate the 15 kHz bandwidth, but stopped short of making a proposal on whether the existing channels should remain allocated to amateur radio and what the power limitations should be. They requested comments on their proposal and the related channel and power issues.

Comments will be due 60 days after the NPRM is published in the Federal Register, which is expected within the next two weeks.

Courtesy of the ARRL Newsletter



2023 Contest Calendar

May

27-28 CQ WW WPX Contest, CW

0000Z, May 27 to 2400Z, May 28

June

3-4 [International Digital Contest](#)

1800 UTC Saturday, ends 2359 UTC Sunday

10-12 [June VHF](#)

1800 UTC Saturday, ends 0259 UTC Monday

17 [Kids Day](#)

1800 UTC through 2359 UTC

24-25 [Field Day](#)

1800 UTC Saturday and running through 2059 UTC Sunday

QSO Parties

Indiana 1500Z, May 6 to 0300Z, May 7

Delaware 1700Z, May 6 to 2359Z, May 7

New England 2000Z, May 6 to 0500Z, May 7 and 1300Z-2400Z, May 7

Arkansas 1400Z, May 20 to 0200Z, May 21

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 Monday 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.

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 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 ➤ 2023

May

7 [Warminster ARC Hamfest, ARRL Eastern Pennsylvania Section Convention](#)

Bucks County Community College-Lower Bucks Campus 1304 Veteran Hwy (Rte.413)

Bristol, PA 19007

<http://www.k3dn.org/hamfest/>

28 [Memorial Day Hamfest](#)

Howard County Fair Grounds 2210 Fairgrounds Road
West Friendship, MD 21794

June

10 [Bloomsburg Hamfest](#)

Lime Ridge Community Center

6405 4th Street

Lime Ridge, PA

<https://www.qsl.net/cm-arc/hamfest.htm>

18 [Father's Day Hamfest at Arcadia](#)

Arcadia Fairgrounds

16920 Carnival Ave.

Upperco, MD 21155

<http://W3FT.com>

CLUB INFO

PUBLIC SERVICE

Monday May 29 Memorial Day Parade, 12 radio operators needed with a 10 am start. WARC club tent will be set-up at York Rd. and Henry Ave. Hot dogs, soda and beer to follow at the VFW on Louis Dr.

Golf Outing June 1, 8:00am start to 2:00pm. Breakfast and Hot Buffet Lunch will be served.

Contact: George Brechmann N3HBT

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.

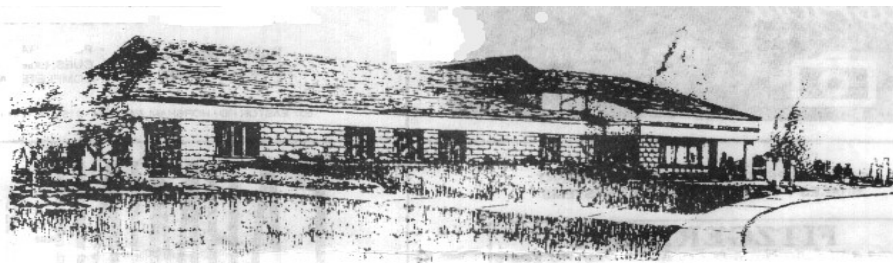
If you want to have your picture taken to be placed on the 'Members' Photos' section of the www.k3dn.org website, please contact Membership with your interest. When we get enough people who are interested we will post a notice in Feedback and have a camera ready at the following club meeting.

PROGRAMS 2023

May - Eric from Craven Hall, "Bucks County History"

June - The Life and Work of Philo T Farnsworth by Coxey Toogood

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

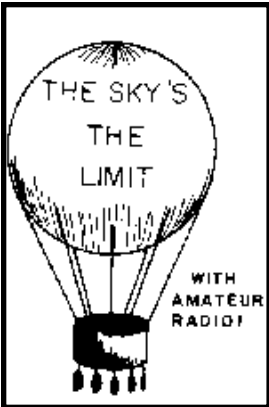
6 Mtr

- 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.

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



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:

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	Dan Myers	K3NXX	215-957-2343
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			