



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

August 2025

Next meeting August 7th - Green Bank Telescope

President's Message

- **Need Help:** We need some help prior to the August 7th meeting to move a few things from the attic to the new shed. If you can help please come early around 6:30/6:45.
- **Club Station:** The club station is back up and running. It will be open for use before the August 7th meeting (approx. 6:45PM).
- **Holiday dinner:**
 - We need a planning committee to start planning for the Holiday dinner.
 - Question for the membership catered at center or like last year at Giuseppe's?
 - **Upcoming Programs:**
 - August - Green bank telescope
 - September - State Representee Brian Monrue
 - October - State Senator Frank Farry
 - November - Cliff Hotchkiss red cross
 - December - Holiday Dinner/event
 - January - Marty Squicciarini NR3Z Logbook of the world and how to send EQSL cards
- **HamClubOnline:** If you have not already done so, please log onto <https://www.hamclubonline.com/>
- **Good and Welfare:** We are looking for a member or members to help run the good and welfare club outreach. If you are interested, please contact the board or Dave McGowan at mcgowan2@comcast.net
- **Volunteers:** Our club cannot be successful, function, or grow without your help and input. There are a number of opportunities to volunteer within our club:
 - Board of Directors,
 - License Class Instructor,
 - Field Day,
 - Good and Welfare
 - Public Service,
 - Elmer,
 - Subject Matter Expert,
 - Ham Fest,
 - Holiday Dinner,
 - Club Auction,
 - Meeting Presentations,
 - VE License Testing,
 - and many more.

If you are interested in helping with one of these activities please contact a member of the board, many people together make for a lighter load and more enjoyable experience.

VE Session: There is no VE session in August, the next session will be the last Monday in September (9/29)

Thanks, Dave
K3FTD

(Continued from page 1)

The following is reprinted from the June Feedback as a refresher for Bill's talk at this month's meeting.

100m Robert C. Byrd Green Bank Telescope By Bill, K3ZMA

<https://greenbankobservatory.org/about/telescopes/gbt/>

The Robert C. Byrd Green Bank Telescope, or GBT, is the world's premiere single-dish radio telescope operating at meter to millimeter wavelengths. Its enormous 100-meter diameter collecting area, its unblocked aperture, and its excellent surface accuracy provide unprecedented sensitivity across the telescope's full 0.1 – 116 GHz (3.0m – 2.6mm) operating range.

The single focal plane is ideal for rapid, wide-field imaging systems – cameras. Because the GBT has access to 85% of the celestial sphere, it serves as the wide-field imaging complement to ALMA and the EVLA. Its operation is highly efficient, and it is used for observations about 6500 hours every year, with 2000-3000 hours per year available to high frequency science.

Part of the scientific strength of the GBT is its flexibility and ease of use, allowing for rapid response to new scientific ideas. It is scheduled dynamically to match project needs to the available weather. The GBT is also readily reconfigured with new and experimental hardware, adopting the best technology for any scientific pursuit. Facilities of the Green Bank Observatory are also used for other scientific research, for many programs in education and public outreach, and for training students and teachers.

Quick Facts about the GBT:

- The GBT is running observations roughly 6,500 hours each year, more than any other observatory
- For each hour of time available for science on the GBT, roughly 3-4 hours are requested
- More than 600 individual scientists and students proposed to use the GBT within the past year
- More than \$25,000,000 has been invested in the GBT in the past five years by colleges, universities, the NSF, and the state of West Virginia
- The surface of the GBT is perfectly smooth to a noise level of 260 microns (5 human hairs)
- The pointing accuracy of the GBT is 2 arc seconds, able to resolve a quarter at 3 miles
- The GBT weighs almost 17 million pounds and stands over 485 feet above ground level. The GBT's collecting area is 2.34 acres and its diameter is 300 feet
- The GBT operates 24 hours/day, 362 days/year

The operational funding provided by the NSF is approximately 0.1% of the NSF astronomy budget

More detailed Info

<https://greenbankobservatory.org/portal/gbt/instruments/>

Image Gallery

Click the image below to go to our GBT image gallery on Flickr

<https://www.flickr.com/photos/greenbankobservatory/albums/72157664344856218>

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Other Places to Visit When Going to See the Green Bank Telescope

When Todd Heavener (former WARC member) and I went to see the Green Bank Telescope in 2007, we decided to see what else we could visit while in the area. We selected two places to visit:

The U. S. Government Relocation Facility located under The Greenbrier Resort

If you have any interest at all in the Cold War period the Greenbrier bunker is a must see. The cost of the tour is \$52.

A Google search provides the following:

The Greenbrier Bunker, located beneath [The Greenbrier resort](#) in White Sulphur Springs, West Virginia, is a former top-secret, Cold War-era relocation facility for the U.S. Congress. It was designed to house and protect all 535 members of Congress in the event of a nuclear attack. The bunker remained hidden for over 30 years until it was exposed in 1992 by a Washington Post article. Today, the bunker is a popular tourist attraction, offering guided tours.

More about the Greenbrier Bunker:

Concealment:

The bunker was built in the late 1950s and early 1960s, with construction completed in 1961. It was kept secret from the public for over three decades, with the resort's staff and the local community helping to maintain the secrecy.

Purpose:

The bunker's primary purpose was to provide a secure location for Congress to continue operating in the event of a nuclear war. It was designed to be self-sufficient, with facilities for living, working, and communication.

Features:

The bunker includes a variety of spaces, such as House and Senate chambers, dormitories, a power plant, a clinic, a cafeteria, and a decontamination area.

Tours:

The Greenbrier offers guided tours of the bunker. These tours provide insights into the bunker's history, its design, and the role it played during the Cold War.

Significance:

The Greenbrier Bunker is not just a historical site but also a symbol of the Cold War era and the lengths to which the U.S. government went to ensure continuity of government.

The Cass Scenic Railroad

The Cass Scenic RR is a nice relaxing trip up the side of a mountain pulled by a steam locomotive to a spectacular view where you can see the Green Bank Telescope in the distance. There are different excursions varying in time from 2 hours to 5.5 hours and in cost from \$63 to \$83 including a lunch. If I remember correctly, we took the Bald Knob trip.

Jim, WA4YWM

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Takeaways from Field Day 2025

Contacts-

K3DN's Contest Summary Report for ARRL-FD
 Created by N3FJP's ARRL Field Day Contest Log
 Version 6.6.9 www.n3fjp.com

Total Contacts = 496
 Total Points = 497

Operating Period: 2025/06/28 18:54 - 2025/06/29 16:32

Total op time (breaks > 30 min deducted): 11:30:42
 Total op time (breaks > 60 min deducted): 12:42:57

Avg Qs/Hr (breaks > 30 min deducted): 43.1

Total Contacts by Band and Mode:

Band	CW	Phone	Dig	Total	%
80	0	101	0	101	20
40	0	322	0	322	65
20	0	18	0	18	4
15	0	49	0	49	10
10	1	4	0	5	1
6	0	1	0	1	0
Total	1	495	0	496	100

Positives-

The new location at the Warminster Community Park is a good fit for us. Close to the center for ease of equipment transport. Lots of foot traffic. Ease of set up and break down. Working, clean restrooms close by.

Newtown Party Rental set up and took down the big tent

Mark and Marianne made sure we had enough to eat

The bugs weren't that bad

Our GOTA station got some traffic, made a few contacts

What we learned-

We need to do more public relations, post fliers on the kiosk in the park, post the event on our website and local social media outlets

We need more club member participation, we had a small but very dedicated crew to transport equipment, set up and then operate for the 24 hour period

We need to have a simplex frequency set up for inter-station communication

We need to have someone monitoring the repeater for possible talk ins, etc.

We need to store the excess equipment away from the front of the tent to allow better access by the public

I can't thank those that participated enough for their help- I think we had fun and we learned a lot. Many thanks to the Warminster Township Parks and Recreation director Jessica Fox for her help.

Herb Hickmott, KB3VMN

ARRL Files Comments to Protect 70-Centimeter Amateur Band

ARRL has filed comments with the Federal Communications Commission (FCC) to oppose part of an application that would impact the 70-centimeter amateur band for telemetry, tracking and command (TT&C) of satellites. The application, from AST & Science, LLC (AST), requests “unprecedented authorization to 430-440 MHz for a constellation totaling 248 satellites to communicate with five ground stations using up to five channels with up to 256 kHz bandwidth.”

The formal opposition, filed by ARRL’s Washington Counsel, asserts that the permission AST seeks to use the 430 – 440 MHz band “should be denied because AST does not demonstrate need for TT&C spectrum beyond that available within existing allocations.”

The filing goes on to highlight just how unprecedented the request is:

The Requested Spectrum Is Not Allocated for the Requested Purpose

The 430 – 440 MHz band is not allocated domestically or internationally for the requested space-to-Earth and Earth-to-space satellite TT&C operations. As others already have noted in this proceeding, signals in this band from AST’s current 5-satellite constellation have been observed throughout the world, including in the United States, notwithstanding that the satellites are authorized to communicate only with five ground stations well outside the United States. From the operations by the current five satellites, it appears that the satellites at times have transmitted continuously in the 430 – 440 MHz band throughout their orbit, not just when in communication with one of the authorized ground stations. This activity defeats the purpose of preventing interference in the United States by limiting operations in this band to ground stations distant from the United States. Authorizing an additional 243 satellites to use this band, which would result in multiple satellites over the U.S. at all times, would effectively usurp this band’s allocated use.

The 70-centimeter band is also used in emergency communications. As recently as early July, ARRL volunteers serving in the Amateur Radio Emergency Service® (ARES®) made headlines for providing critical communications in flood-ravaged areas of the Texas Hill Country. Allowing the 70-centimeter band to become overrun with TT&C operations could impact the ability for the Amateur Radio Service to be used in future disasters. “TT&C operations in the 430 – 440 MHz band are capable of causing harmful interference to radio amateur communications, including to amateur satellites operating in the 435-438 MHz subband,” the comments state.

The comments go on to outline why the application would be non-compliant with the ITU Radio Regulations Treaty. Reply comments to the application are due by August 5, 2025. ARRL will continue to fight to ensure amateur radio operators have reliable, interference-free access to the spectrum they depend on -- especially in times of emergency and to serve our communities.

Courtesy ARRL Letter

Amateur Radio Helps Locate Missing Mother and Son

Amateur radio had a crucial role in locating a mother and her 9-year son lost in California’s Stanislaus National Forest, according to information from a Sheriff’s news release. On Friday, July 11, 2025, the pair was reported overdue from a day trip to Camp Wolfboro, a popular scout camp in the Sierra Nevada Mountains.

On Saturday July 12, the Calaveras County Volunteer Search and Rescue Team (SAR) was conducting its monthly training exercise along the Stanislaus River when members received notification that Tami and son Stirling had been reported missing since Friday afternoon and were not answering their cell phones.

The SAR team set up a command post at Black Springs Off-Highway Vehicle riding (OHV) Recreational Area and quickly began initiating a road-based search using four-wheel-drive vehicles and air support from the California Highway Patrol.

Joining the search was a Deputy and a Forest Service Law Enforcement Ranger who responded to 911 texts from campers in the area that a vehicle possibly matching the description of the pair’s missing car had been found. The SAR team began to find handwritten notes posted near a remote Forest Service road and then another about a mile away that included a telephone number and the names of the missing individuals. Just before 6:00 PM, the car and the lost mother and son were found. But the rescue was not over.

SAR team members were unable to communicate with their command post using conventional frequencies and cell phones from their deep woods location. So they used an amateur radio frequency to report their emergency traffic. The call was immediately answered by a retired El Dorado County communications supervisor, who is also an amateur radio operator, monitoring from his home. He contacted the El Dorado 911 center, which provided the information to Calaveras County Dispatch. The SAR command

post was notified, and the mother and her son were transported to waiting family members.

Young Stirling also had a hand with the rescue. He used his scout whistle to blow SOS, the internationally recognized Morse code distress signal, to give searchers a better chance of locating their position.

Courtesy ARRL Letter

Radio Volunteers in Oregon, Washington, and California Support Oregon Disaster Airlift Response Team

Incident Day 0 of the fourth annual “Whale Run” full-scale exercise, involving general aviation aircraft supported by amateur radio communications, began like this: “On the morning of June 6th, 2025, at 5:30 AM, a Category 1 typhoon made landfall along the Oregon coast, with devastating hurricane-force winds, storm surge, and torrential rainfall. The typhoon moves from west to east at a speed of 10 mph. Just hours later at 7:43 AM, a magnitude 9.0 earthquake struck off the coast of Oregon along the Cascadia Subduction Zone. The rupture extended from Cape Mendocino in Northern California to Nootka Island in British Columbia, Canada, causing severe ground shaking for nearly five minutes.”

The Oregon Disaster Airlift Response Team (ODART) was activated, and the first flights off the ground on Incident Day 1 (Saturday, June 7th) were nine aircraft performing aerial “windshield surveys” of simulated damage along predefined transportation routes. Next up were three cargo flights from Aurora State Airport (Oregon) to Bellingham International Airport (Washington) carrying a total of 925 pounds of medical supplies. This was part of a mutual aid request between the states, and the takeoffs and landings of these aircraft were tracked at both ends by amateur radio via Winlink.

Eight calendar days elapsed between Incident Day 0 and Incident Day 2 (Saturday, June 14th), giving time for outside agencies to spin up a simulated response. During this period, amateur radio volunteers were asked to respond to various airports. The Oregon Department of Aviation requested submission of forms for preapproval of exemptions from Temporary Flight Restrictions. ODART provided a VIP overflight to a County Commissioner and picked up MREs from the Oregon Department of Human Services. Oregon Emergency Management requested an aviation liaison in its state EOC, and the ODHS Office of Resilience and Emergency Management requested overflights of 18 resilience hubs in the state.

In addition, two out-of-state mutual aid requests were received to support tribal nations, one from CalDART to send relief supplies to the Blue Lake Rancheria, and one from EVAC Northwest to send relief supplies and a sUAS (drone) photographic team to the Cowlitz Indian Tribe. In all, six tribal nations participated in this exercise.

On Incident Day 2, amateur radio operators staffed 12 airports and three water landing zones (lakes) in Oregon, one airport in Washington, and one airport in California to receive general aviation aircraft loaded with relief supplies (250 pounds of medical supplies, 5,110 pounds of food, and a container of medical equipment sent to the coast by the Oregon Health Authority). The hams used Winlink to exchange activation and demobilization messages, weather reports, aircraft takeoff and landing reports, and safety reports.

ODART again deployed an Airborne Communications Platform during Whale Run 2025. The aeronautical mobile operated on both VHF and UHF and tested voice communications with the ground-based radio stations. The high noise level in the cockpit experienced in 2024 was overcome this year making this component of the exercise a great success.

As can occur in any exercise, some locations experienced communications difficulties. These become lessons learned for the participants, and this is, of course, the whole reason we practice. --Steve Aberle, WA7PTM, Assistant Director, ARRL Northwestern Division

Courtesy ARRL Letter

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.

2025 Contest Calendar

August

2-3 [222 MHz and Up Distance Contest](#)

1800 UTC Saturday and ending at 1759 UTC Sunday

2-3 [North American QSO Party CW](#)

1800Z, Aug 2 to 0559Z, Aug 3

16-18 [10 GHz & Up – Round 1](#)

0900 UTC Saturday and runs through 0759 UTC Monday

16-17 [EME - 2.3 GHz & Up](#)

0000 UTC on Saturday through 2359 UTC Sunday

16-17 [North American QSO Party SSB](#)

1800Z, Aug 16 to 0559Z, Aug 17

17 [Rookie Roundup – RTTY](#)

1800 to 2359 UTC

QSO Parties

Maryland-DC 1400Z, Aug 9 to 0400Z, Aug 10

Hawaii 0400Z, Aug 23 to 0400Z, Aug 25

Ohio 1600Z, Aug 23 to 0400Z, Aug 24

Colorado 1300Z, Aug 30 to 0400Z, Aug 31

Kansas 1400Z, Aug 30 to 0200Z, Aug 31 and 1400Z-2000Z, Aug 31

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.

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 ➤ 2025

August 10 - [Valley Forge Hamfest](#)

Kimberton Fire Company Fairgrounds

752 Pike Spring Road

Phoenixville, PA 19460

<https://www.marc-radio.org/hamfest2.htm>

September 7 - [Southern New Jersey Conference and HamFest, ARRL Southern New Jersey Section Convention](#)

Gloucester County 4-H Fairgrounds

275 Bridgeton Pike (Route 77)

Mullica Hill, NJ 08062

<http://HamFest.W2MMD.org>

September 14 - [EPARA Hamfest 2025](#)

Moose Lodge 1336

705 Stokes Mill Rd.

East Stroudsburg, PA 18301

<http://www.qsl.net/n3is>

CLUB INFO

PUBLIC SERVICE

A second Golf Outing in October.

Contact George at N3HBT@ARRL.NET of your availability.

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.

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 2025 - 2026

August - Green Bank Observatory

Topic - Ham radio in the community working with first responders and emergency services

September - State Representative Bryan Monroe

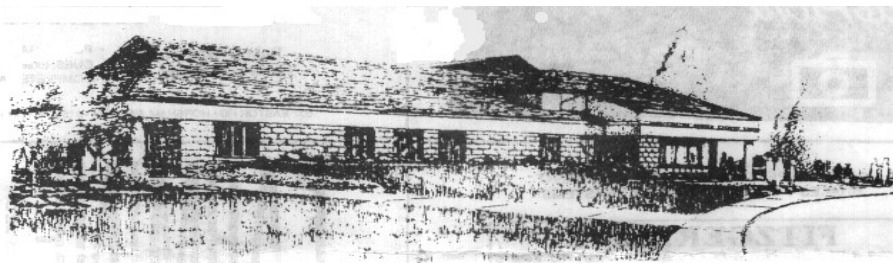
October - State Senator Frank Farry

November - Cliff Hotchkiss will speak to the club about the Red Cross and Ham radio.

December - Holiday Dinner

January - Marty Squicciarini NR3Z Logbook of the world and how to send EQSL cards

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

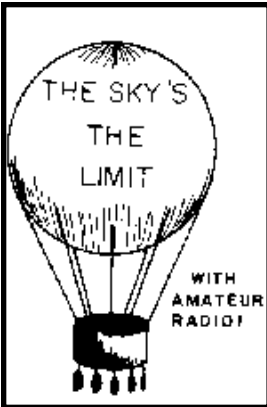
D-STAR

- 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

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 ?

2025 Officers**Executive Officers**

President	Dave McGowan	K3FTD	215-850-5846
Vice-President	Scott Vogin	KB3ALX	
Secretary	Tony Simek	N3YNH	215-796-0336
Treasurer	Tom Newman	K3PLA	215-630-5965
Director (A)	Doug Becker	KC3MNQ	215-932-1370
Director (E)	Herb Hickmott	KB3VMN	
Director (A)	Bruce Farrington	WA3ZPC	215-262-4215
Director (E)	George Brechmann	N3HBT	215-443-5656
Past President	Ray Oechslin	KA3TRU	267-269-3198

Committee Chairpersons

ARES/RACES Liason	Karl Harris	K3KH	215-264-1855
ARRL Liason			
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 25	Herb Hickmott	KB3VMN	267-718-3601
Hamfest 25	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			
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			