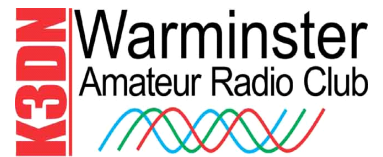




FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

September 2023

Next Meeting September 7th - Amateur Radio Astronomy - Dennis Kidder W6DQ

President's Message

Hello Everyone,

As the unofficial end of summer is upon us, I hope everyone had a great season. The outdoor activities with family and friends always make great memories. Now we look forward to the upcoming festivities like Halloween and of course Thanksgiving and the Christmas season. More time to make memories. This time of the year also means more time spent inside and hopefully some on the air activities. Leading up to our inside time, we can take care of items we are always wanting to get to but never do. Things like some antenna work or maybe even studying for an upgrade to our license. Our club is giving a General License class as well as a Technician Class for new beginning hams. These classes are free, but, study material is provided by the student.

Remember our monthly meetings are held on the first Thursday of each month. I would like to see you at these meetings. This is your club and nothing is more satisfying than participating in activities in your club. We are always looking forward to hearing from you with any suggestions that you feel would make our club more interesting and just plain fun.

73's

Ray – KA3TRU

Warminster ARC General Meeting Minutes August 3 , 2023

Call to Order: 7:30 pm

Introductions and Attendance: 35

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

Committee Reports:

Treasurer's Report: Tom (K3PLA) As given

Programs: Dave (KC3RAT) August WARC Repeater

Membership: Tony (W3FLH) 124 Members on roll with 79 in good-standing.

Public Service: George (N3HBT) Nothing at this time.

Classes: Dave (KC3RAT) New Classes (Tech and General) to start Sept 13 from 7 pm to 9 pm.

VEC Testing: Larry (WA3ELQ) Five candidates; four passed.

Repeater: Detailed in tonight's presentation.

Good and Welfare: Jim Fisher SK; also Ben Johnson's grandson passed away.

No Report Other Committees:

Radiosport: 222 Band contest next weekend; also CW contest.

Old Business:

Club Station: Area has been cleaned up. Tonight computer had to be rebooted but was working on reboot. Station will be available next month prior to the club meeting.

Elmer Program: If you know of anyone who would like some help, please let one of the Board members know.

New Business:

Elections of Officers and Directors: Everyone who was nominated was elected/re-elected. To arrive at a quorum the number of members in good standing was used.

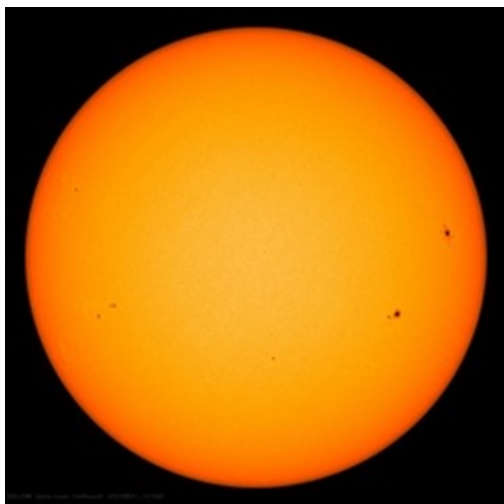
Ray KA3TRU will be meeting with Larry Hagopian (Township rep) to review space available for club storage as we are losing some space due to the install of new A/C system at the center. Also the Board recommended that the carpet be cleaned, as opposed to replaced, by Stanley Steamer. One recommendation made by a member during discussion was the possibility of a shed on the BWSC property. Ray will discuss with the Township rep.

Business Meeting Adjourned: 7:55 pm

Presentation of WARC Repeater system by Brian Taylor N3EXA

(Continued from page 1)

The K7RA Solar Update



Solar disk image taken August 31, 2023. [Photo courtesy of NASA SDO/HMI]

Tad Cook, K7RA, of Seattle, Washington, reports for this week's ARRL Propagation Bulletin, ARLP035:

Solar activity was down again this week, with average daily sunspot numbers dropping from 105.9 to 78.7, and the average daily solar flux dropping from 149.4 to 140.9.

Only three sunspot groups appeared, occurring on August 25, 28, and 30.

There has been a gradual transition from summer to fall conditions, with 10 and 12 meters opening more frequently. The autumnal equinox is only 3 weeks away.

Geomagnetic indicators were a little lower. The average planetary A index went from 8.4 to 7, and average middle latitude numbers went from 10.1 to 8.9.

Predicted solar flux shows a peak around 168 on September 18 - 21.

Forecast values are 145 on August 31 through September 1; 150, 150, and 145 on September 2 - 4; 150 on September 5 - 6; 156 on September 7 - 8; 150 on September 9; 147 on September 10 - 11; 145, 150, 155, 150, 155, and 160 on September 12 - 17; 168 on September 18 - 21; 165, 160, and 148 on September 22 - 24; 150 on September 25 - 26, and 152, 150, 145, and 140 on September 27 - 30.

Predicted planetary A index is 5, 10, and 10 on August 31 through September 2; 5 on September 3 - 6; 8 on September 7 - 8; 5 on September 9 - 13; 12, 10, 10, and 8 on September 14 - 17; 5 on September 18 - 22; 10, 10, and 8 on September 23 - 25, and 5 on September 26 to October 2.

Read about India's solar mission at <https://bit.ly/3PiPJ1N>.

Check out a video about solar flares at <https://bit.ly/47X6gzC>.

Sunspot numbers for August 24 through 30, 2023, were 86, 77, 75, 69, 68, 82, and 94, with a mean of 78.7. The 10.7-centimeter flux was 144.1, 138.9, 139.3, 141.5, 141.7, 142.2, and 138.6, with a mean of 140.9. Estimated planetary A indices were 9, 5, 7, 11, 6, 5, and 6, with a mean of 7. The middle latitude A index was 9, 7, 9, 13, 8, 7, and 9, with a mean of 8.9.

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

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(Continued from page 2)

Hurricane Idalia: Amateur Radio Serves Critical Functions

Hurricane Idalia made landfall Wednesday, August 30 on Florida's Big Bend region as a Category 3 storm sustaining winds of 125 miles per hour. The storm tracked across Georgia and into South Carolina, and on Thursday morning it had moved offshore of North Carolina.

ARRL volunteers staffed key positions across the affected region. Section Emergency Coordinator of the [ARRL Northern Florida Section](#) Arc Thames, W4CPD, led the activation of [Amateur Radio Emergency Service®](#) (ARES®) volunteers within the Section. Thames said the ARES volunteers would be staffing the radio room at the state Emergency Operation Center (EOC) until 7:00 a.m. on Thursday, August 31 and will provide additional service if needed. "So far there does not appear to be a large communications impact that would require amateur radio support," he said.

The [Florida Statewide Amateur Radio Network \(SARnet\)](#) was the primary emergency communications system used during the storm. The system is a series of linked UHF repeaters that covers the entire state. There were also HF nets linking counties to the state EOC.

In a message to ARES leadership in the affected Sections, ARRL Director of Emergency Management Josh Johnston, KE5MHV, reminded them of gear at ARRL Headquarters that can be deployed if necessary. "We have equipment assets in our Ham Aid program available to you for loan if you have a need to backfill. These can be used during - long term recovery efforts as needed," wrote Johnston.

The Federal Communications Commission (FCC) [approved an ARRL-requested emergency waiver to HF symbol rate limits](#), to allow higher speed data communications in the Amateur Radio Service response to Hurricane Idalia. [Read the waiver](#) (PDF)

Many counties in the ARRL Northern Florida Section were activated. Section Manager Scott Roberts, KK4ECR, was at the Clay County EOC for 27 hours. "We had a good number of our Northern Florida counties activated, as well as other places in the state. There were four shelters open here in Clay County alone," he said. As of press time, Roberts said the final information was still being tallied, but he knew of activations Duvall, St. Johns, Escambia, Marion, and Leon Counties.

In Ocala, the Marion County Emergency Radio Team (MERT) was activated to support shelter operations on Tuesday, August 29. Marion County ARES was placed on standby to support the MERT team and other served agencies. The county was spared the brunt of the impact. Marion County ARES Emergency Coordinator Hayden Kaufman, N2HAY, said the activation identified some opportunities for improvement in the area's disaster response. "We were very fortunate to have had little to do. However, the activation provided us some insight on factors that would impede communications in an emergency," he said.

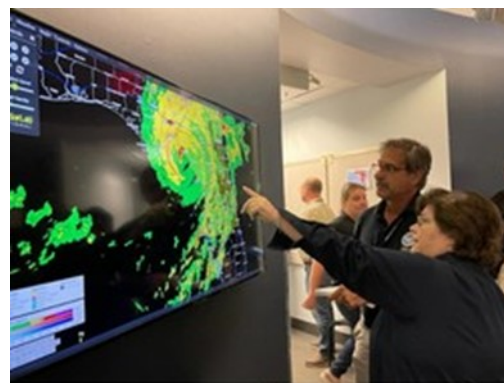
Ham volunteers worked with the County Sheriff's office to ensure the amateur radio equipment onboard the Marion County Mobile Command Center was fully operational before it was deployed to Madison County, the area most heavily impacted by the storm.

Kaufman thanked the many local volunteers for their service during the hurricane. "I am personally proud to be a member of our increasingly tight-knit EmComm community," he said.

[Hurricane Watch Net](#) (HWN) Manager Bobby Graves, KB5HAV, said the storm called for "all hands on deck". Ahead of impact, the intensity and track of the storm greatly concerned him. "I have been watching and plotting hurricanes for over 35 years. I have



ARES Newsletter Editor Rick Palm, K1CE, surveys the damage after a tree fell on his car at his home. "Our cars were smashed under this big tree in our backyard. I am using my handheld to report into the Columbia County ARES net and EOC. Much damage here in our yard and the surrounding community, and we experienced a very scary (terrifying actually) morning yesterday, being so close to the eye as it made landfall," he wrote.



FEMA personnel coordinate with their counterparts at Florida Division of Emergency Management in preparation of response efforts to Hurricane Idalia. ARES volunteers were staffing the same facility. [Photo: Johanna Strickland / FE-MA]

(Continued on page 4)

(Continued from page 3)

witnessed, many times, a Hurricane cross a state line into another as a hurricane...two states were hit by the same hurricane. Never have I seen a storm cross three States as a Hurricane," said Graves.

The [WX4NHC amateur radio station at the National Hurricane Center](#) was also active during the storm, as was the [Hurricane VoIP Net](#).

Amateur radio operators continue to serve impacted communities through served agencies as the recovery phase begins. Check [ARRL News](#) for the latest updates.

Courtesy of the ARRL Newsletter

Amateur Radio Operator Contacts Spacecraft

The headlines are sensational, although a bit exaggerated: "Ham Radio 'hacks' NASA Satellite". While the phrase is eye-catching for social media, the truth is just as exciting. Amateur radio astronomer Scott Tilley, VE7TIL, has made contact with [NASA's STEREO-A spacecraft](#), which passed Earth for the first time in 17 years.

The STEREO-A (Solar TERrestrial Relations Observatory) spacecraft was launched on October 25, 2006, from Cape Canaveral, Florida, with its twin sister ship, STEREO-B. Both spacecraft were on a mission to circle behind the and send images back to Earth so scientists could make 3D models of solar activity. In 2014, STEREO-B failed and was not heard from again.

"I'm having fun with STEREO-A," Tilley reported to [Spaceweather.com](#). "The spacecraft is close to Earth this summer, and I can now receive its signal using a small 26-inch dish in my backyard."

Tilley began hearing rumors that other radio operators were picking up signals from STEREO-A on 8443.580 MHz. He decided to check it out. "The central carrier is very loud, almost 30 dB above the noise," he said. "I also noticed data sidebands, which are unusual to see on such a distant object for my small antenna."

Tilley was able to decode and demodulate STEREO-A's signal using a special program written by Alan Antonie, F4LAU, known as [SatDump](#), and now, he is monitoring almost all of STEREO-A's science instruments, including its Extreme Ultraviolet Imager (EUVI), two coronagraphs (COR1 and COR2), the heliospheric imager (HI), and a solar radio burst receiver (S/WAVES).

STEREO-A's closest approach to Earth was scheduled to occur on August 17, 2023.

Amateur radio operators who would like to monitor STEREO-A can check out [Tilley's technical blog](#) for more information.

[Thanks to Spaceweather.com and NASA for updated information in this story]

Courtesy of the ARRL Newsletter



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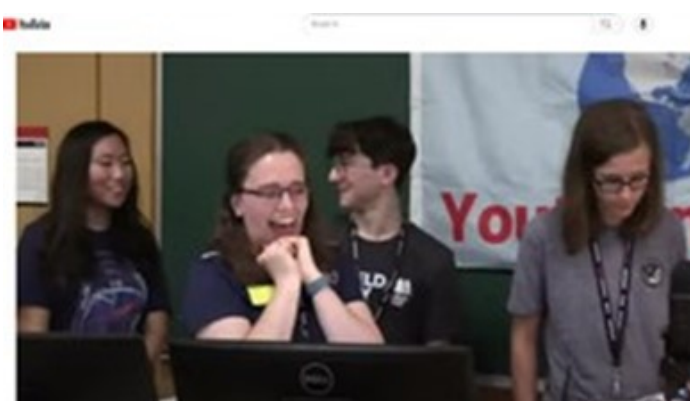
STEM in Action: YOTA Campers Contact the International Space Station

On July 18, 2023, a weeklong Youth on the Air (YOTA) summer camp at Carleton University in Ottawa, Ontario, Canada, hosted an Amateur Radio on the International Space Station (ARISS) radio contact.

The purpose of the camp is to connect young amateur radio operators from North, Central, and South America through amateur radio and science, technology, engineering, and mathematics (STEM) activities.

The youth talked with astronaut Steve Bowen, KI5BKB, who answered 18 questions. ARISS volunteer Ruth Willet, KM4LAO, orchestrated their activities.

"[The ARISS contact] went so wonderfully -- I'm still on a high! It never, never, never gets old," said Willet. A reporter for the Radio Amateurs of Canada magazine, *The Canadian Amateur*, came to watch and report on the action.



YOTA campers show excitement upon hearing the ISS contact. (Left to right) Abby Matsuyoshi, KK7CFJ; Ruth Willet, KM4LAO; Alex Lammers, KO4ZMC, and Tripp Sanders, K5TRP.

Watch a [video of the contact on YouTube](#)

ARISS is a cooperative venture of international amateur radio societies and the space agencies that support the ISS. In the US, participating organizations include NASA, the ISS National Lab, ARRL, and AMSAT.

Courtesy of the ARRL Newsletter

MS-150 City to Shore (OUR HELP IS NEEDED)

[Editor's Note: The information in quotes is from the communications group supporting the MS150.]

"We are still in the need of 30 to 40 additional volunteers for City To Shore to fully support the ride on the road, and still need support folks to work as materials transport on the days of the events.

Please dig deep, and sign up for a couple of days of a few hours, to help the folks living with Multiple Sclerosis all day, every day, year after year. Please know that the little bit of help that you give, goes a long way to help the people IN OUR AREA to have a little bit of a better life.

Here are the sign up links. Please sign up as soon as possible.

City to Shore: <https://forms.gle/rcw5RJPMjJkqC8vb6> or N3MSS.ORG"

Please consider supporting this event. We are a very good public service club and they can use our help. There are several of us in the club that have assisted at this event for 20 years or more. At least 100 operators are needed with 150 being ideal. Our new members would find this to be an excellent introduction to the needs of a public service event. Our help is needed for medical emergencies as well as routine transportation needs and breakdowns.

Lodging and food are provided. If you can't volunteer for both days, that is OK.

There are 7000 bikers looking for our support and they are very thankful for it.

If you have any questions, contact me, Jim WA4YWM, at wa4ywm@comcast.net.

2023 Contest Calendar

September

9-11 [September VHF](#)

1800 UTC Saturday, ends 0259 UTC Monday

23-24 [CQ Worldwide DX Contest, RTTY](#)

0000Z, Sep 23 to 2400Z, Sep 24

October

7-8 [Collegiate QSO Party](#)

October 7th 0000 UTC to October 8th 2359 UTC

16-20 [School Club Roundup](#)

1300 UTC Monday through 2359 UTC Friday

28-29 [CQ Worldwide DX Contest, SSB](#)

0000Z, Oct 28 to 2359Z, Oct 29

QSO Parties

Tennessee	1800Z, Sep 3 to 0300Z, Sep 4
Alabama	1500Z, Sep 9 to 0300Z, Sep 10
Iowa	1400Z, Sep 16 to 0200Z, Sep 17
Texas	1400Z, Sep 16 to 0200Z, Sep 17 and 1400Z-2000Z, Sep 17
New Hampshire	1600Z-2200Z, Sep 16 and 1600Z-2200Z, Sep 17
New Jersey	1600Z, Sep 16 to 0359Z, Sep 17
Maine	1200Z, Sep 23 to 1200Z, Sep 24

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.

Philadelphia, PA, Testing is done on the 3rd, non holiday Monday of the month at the Giant Supermarket, 315 York Rd., Willow Grove, 19090 at 6:30 PM in the Community Room. For further information contact James McCloskey at jmcloskey@msn.com and by phone 215-275-2979.

Lansdale, PA Testing on the fourth non-holiday Thursday of the month starting at 7:00 PM. The Lansdale Library Community Room Vine St. and Susquehanna Ave. Lansdale, Pa. Registration is required 48 hrs. or more before the scheduled exam date. If there are no registrations the scheduled exam date will be canceled. NO WALK-INS. You can register by contacting:
Olaf N. Markert - Phone (610) 517-5074, E-mail w3pa@arrl.net
Alt Contact: Jim, 610-287-5630

➤ ATLANTIC DIV. HAMFESTS
➤ 2023

September

10 [ARRL Southern New Jersey Section Convention and Hamfest](#)

Gloucester County 4H Fairgrounds 235 Bridgeton Pike (Rt 77)

Mullica Hill, NJ 08062

<http://w2mmd.org>17 [EPARA Hamfest](#)

Moose Lodge 1336 705 Stokes Mill Rd. East Stroudsburg, PA 18301

<http://qsl.net/n3is>

October

1 [CARA Fest](#)

Howard County Fairgrounds 2210 Fairgrounds Road

West Friendship, MD 21794

<https://www.carafest.org>22 [RF Hill Hamfest 2.0](#)

Upper Bucks Campus - Bucks Co. Community College 313 Blooming Glen Rd.

Perkasie, PA 18944

<http://www.rfhillarc.club>28 [Oktoberfest](#)Vietnam Veterans Association Building 8000 Derry Street
Harrisburg, PA 17101

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

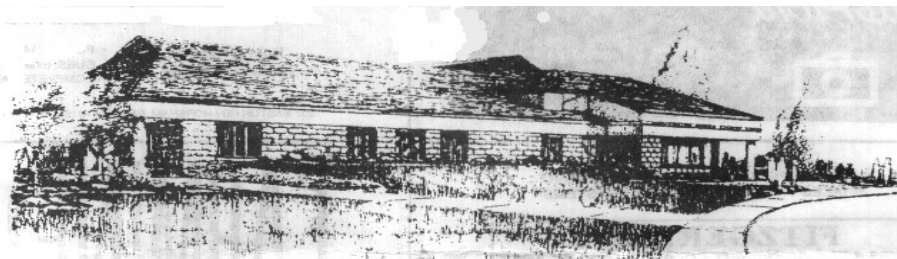
The Membership Committee can provide Club badges. Two types are available: an engraved plastic callsign and name badge for \$8 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership. Pictures for the club badge will be taken before club meetings on even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

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

September - "Amateur Radio Astronomy" presented by Dennis Kidder W6DQ

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:

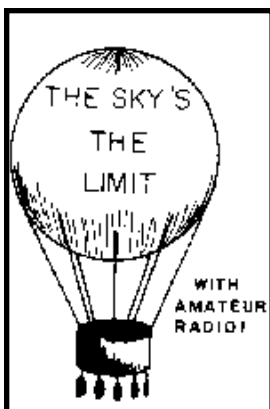
<https://www.weather.gov/phi/Info>

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



*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.

Area Repeaters**VHF**

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

220

224.580 PackRats
223.76 K3NAL

UHF

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

D-STAR

146.61000 K3PDR DV
445.18125 K3PDR DV
445.01875 AA3E Montco
RACES

6 Mtr

53.030 WA3BXW
53.230 N3DQZ
53.320 K3MFI

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	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		