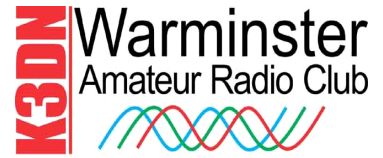




FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

June 2020

Next Meeting June 4th via ZOOM - MS Society & Ham Radio

President's Message

Hope you are surviving the stay at home orders but there is hope in that Bucks & Montgomery county moves to Yellow on June 5th. Even in the Yellow phase there is a limit to the size of any gathering so this year's Field Day will also be stay at home. I would encourage everyone to try to get on the air and to motivate everyone we will have several contests inside the contest inside Field Day. The WARC will sponsor a contest for members only. The rules are elsewhere in Feedback. We will also be competing against other local clubs including DVRA, Philmont and others. Rules will be coming out soon. Finally our ARRL Section Manager George, W3GWM has proposed a EPA competition. I will be on my back porch with my KX-2 and Eagle One vertical so look for me on 40 and 20 CW as 1B1B EPA.

I realize that everyone is disappointed that Field Day is stay at home and the club is looking into the possibility of having a picnic and running a few stations as a special event. The time, place and special event have yet to be determined. As soon as we can meet in person the nomination and elections will be held. If you're interested in running for office please reach out to the nominating committee, Bill K3FMQ, Irwin KD3TB and Tony W3FLH.

The weather is starting to get nice so it's a good time to start putting up antennas. Contrary to popular belief antennas put up in rain/snow do not work better than ones put up in nice weather. Since the weather is nice, get outside and set up your station. The parks are opening back up so activating a Park on the Air (POTA) is now an option. The important thing is to get on the air and make a few contacts.

Hope to see you all soon, please stay healthy.

73,
Marty NR3Z

MINUTES FOR THE MAY 7 GENERAL MEETING

WARC General Meeting May 7, 2020 via ZOOM Called to order 1930

Marty presiding

Treasurer- as reported to the board

Programs- May Chris Bauer Parks on the air

Membership- currently 85 out of 124 on the roll

Public Service- Memorial Day parade has been cancelled, Golf outing also, there is a small parade planned for Hartsville

Classes- George A. – classes have been cancelled until further notice due to the center being closed. A suggestion was made to do virtual classes, George prefers in person interaction. But George said he would consider virtual and look into it.

VE Testing- In person cancelled until further notice. ARRL/FCC have authorized virtual testing but not much information is available currently. Possibility of holding the next session on June 29th.

Repeater- Currently working as advertised, new amplifier is on hold until Brian can access the township building. The Abington 440 site needs some work.

(Continued from page 1)

Field Day- Doc- Maybe, probably not. Looking into some form of remote field day work from everyone's homes, Get everyone on the air in some form. Tony C. said rules must be checked to make sure each person complies.

Jacek was checking with the Shrine- all May events have been cancelled, not sure about the future.

Marty suggested awards within the club, challenge other clubs

Hamfest- Cancelled- it was wet anyway! We have the college reserved for next year

Old Business-

Nominating committee- nominations/elections are postponed until our first in person meeting. Working to keep process transparent and fluid while respecting mandates of the constitution

Bill and Irwin are looking for candidates to offer for various positions. Currently there is at least one candidate for all positions except secretary. Speak up if interested!

New Business- discussion on holding a club picnic- purely a social event. No word on timing, location or other components.

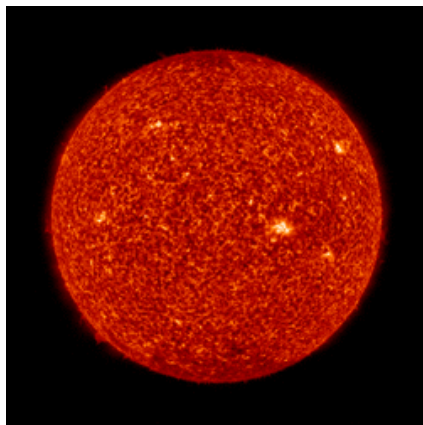
1st in person meeting will be pizza nite!!!!

Should the club have a zoom account- currently we are working with Marty's account. Reimburse Marty?

Motion to adjourn 2005

Program via zoom by Chris Bauer- Parks on the air

The K7RA Solar Update



Tad Cook, K7RA, Seattle, reports: No significant solar activity over the past week, and still no sunspots observed since the end of April. According to [Spaceweather.com](https://spaceweather.com), the percentage of spotless days in 2020 has inched up to 79%. The percentage of days showing no sunspots for all of 2019 was 77%.

Average daily solar flux for last week was 69.6, up from 69 during the previous week. Average mid-latitude A index was 5.7, it was 4 during the previous week, and average planetary A index was 4.6, up from 3.7 during the previous 7 days.

Predicted solar flux for the next 45 days sits at 70, on every day, just as it did in last week's forecast. Predicted planetary A index is 5 on May 28; 8 on May 29 - 31; 5 on June 1 - 14; 8 on June 15 - 16, and 5 on June 17 - July 11.

On May 27, Spaceweather.com pointed toward an active region, possibly a sunspot, just over our sun's eastern horizon. You can see it via the [STEREO observatory](https://STEREO.gsfc.nasa.gov). In solar images, east is toward the left, from Earth's perspective. It is expected to come over the horizon and begin to point toward Earth on May 29.

Sunspot numbers for May 21 - 27 were 0, 0, 0, 0, 0, 0, and 0, with a mean of 0. The 10.7-centimeter flux was 70.2, 70.8, 69.1, 68.8, 70.3, 69.7, and 68, with a mean of 69.6. Estimated planetary A indices were 5, 6, 4, 5, 5, 4, and 3, with a mean of 4.6. The middle latitude A index was 8, 7, 4, 5, 7, 3, and 6, with a mean of 5.7.

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](#) K9LA's Propagation Page.

A propagation bulletin [archive](#) is available. [Monthly charts](#) offer propagation projections between the US and a dozen DX locations.

[Share](#) your reports and observations.

Courtesy of the ARRL Newsletter

(Continued on page 3)

(Continued from page 2)

FOR SALE

Nine (9) aluminum military mast sections sold by the MAST COMPANY, high quality aluminum, each section about 3.75 feet once overlapped on each other for a total height of approximately 34 feet. Brand new in shipping carton. I can bring them to one of the meetings if you are interested. Contact, Bob, K3SRO at dlrwild1@verizon.net

267-535-9189 cell ASKING: \$110 cash or check

Kenwood TS-570D HF Transceiver. 10-160 meters. Automatic Antenna Tuner. SSB and CW (500hz) filters. Includes hand mic, power cord, and original box.
PS-40 Power supply for the radio.

Asking \$550.00 for both.

Marty NR3Z
Skitch@SkitchFamily.net
NR3Z@ARRL.net

Temporary Rule Waivers Announced for 2020 ARRL Field Day

With one month to go before 2020 [ARRL Field Day](#), June 27 - 28, the ARRL Programs and Services Committee (PSC) has adopted two temporary rule waivers for the event:

1) For Field Day 2020 only, Class D stations may work all other Field Day stations, including other Class D stations, for points.

[Field Day rule 4.6](#) defines Class D stations as "Home stations," including stations operating from permanent or licensed station locations using commercial power. Class D stations ordinarily may only count contacts made with Class A, B, C, E, and F Field Day stations, but the temporary rule waiver for 2020 allows Class D stations to count contacts with other Class D stations for QSO credit.

2) In addition, for 2020 only, an aggregate club score will be published, which will be the sum of all individual entries indicating a specific club (similar to the aggregate score totals used in ARRL affiliated club competitions).

Ordinarily, club names are only published in the results for Class A and Class F entries, but the temporary rule waiver for 2020 allows participants from [any Class](#) to optionally include a single club name with their submitted results following Field Day.

For example, if Podunk Hollow Radio Club members Becky, W1BXY, and Hiram, W1AW, both participate in 2020 Field Day -- Hiram from his Class D home station, and Becky from her Class C mobile station -- both can include the radio club's name when reporting their individual results. The published results listing will include individual scores for Hiram and Becky, plus a combined score for all entries identified as Podunk Hollow Radio Club.

The temporary rule waivers were adopted by the PSC on May 27, 2020.

ARRL Field Day is one of the biggest events on the amateur radio calendar, with over 36,000 participants in 2019, including entries from 3,113 radio clubs and emergency operations centers. In most years, Field Day is also the largest annual demonstration of ham radio, because many radio clubs organize their participation in public places such as parks and schools.

(Continued on page 4)



(Continued from page 3)

Due to the COVID-19 pandemic, many radio clubs have made decisions to cancel their group participation in ARRL Field Day this year due to public health recommendations and/or requirements, or to significantly modify their participation for safe social distancing practices. The temporary rule waivers allow greater flexibility in recognizing the value of individual and club participation regardless of entry class.

ARRL is contacting logging program developers about the temporary rule waivers so developers can release updated versions of their software prior to Field Day weekend.

Participants are reminded that the preferred method of submitting entries after Field Day is via the [web applet](#). The ARRL Field Day rules include instructions for [submitting entries](#) after the event. Entries must be submitted or postmarked by Tuesday, July 28, 2020.

The ARRL Field Day [web page](#) includes a series of articles with ideas and advice for adapting participation this year.

Courtesy of the ARRL Newsletter

WARC 2020 FIELD DAY BULLETIN

With Corona Virus in the headlines, whether or not to have Field Day this year has been an important topic of discussion in WARC Board meetings. Even though Covid guidelines have been relaxed at the State and Federal levels the WARC Board is still concerned about protecting our members' health and safety, and has made a decision to adopt an alternative approach to Field Day 2020 in alignment with the ARRL's relaxing of Field Day rules: <http://www.arrl.org/news/temporary-rule-waivers-announced-for-2020-arrrl-field-day>

WARC IS NOT CANCELLING FIELD DAY!

But we **ARE** going to try something different, with the goals of getting as many of our members on the air and having fun from the comfort (and safety) of your own home or backyard.

To put it simply, there will not be a WARC gathering at the Shrine of Czestochowa at the end of June, and we will each operate from our home stations, whether it's from your indoor shack with AC power (and air conditioning!) or from a tent in your back yard running on emergency power or on batteries. Some members have even decided to run mobile or QRP!



To keep it fun and make it interesting the Board has decided to sponsor an inter-club competition for FIELD DAY 2020 with special recognition for top scoring members. Our goal is have as many WARC members on the air as we can, *especially* those members who have not participated in previous Field Days.

All the usual ARRL Field Day rules will continue to be observed, with the exception of the scoring for 1D stations which the ARRL has modified to allow points stations running as class 1D from home on commercial power to count contacts with other 1D stations.

The ARRL Field Day web page includes a series of articles with ideas and advice for adapting participation this year: <http://www.arrl.org/fieldday>

By Now Everyone is tired of COVID-19, “stay at home” and “social distancing”. Unfortunately, none of that is going away any time soon. Realizing that and with many of the key Field Day participants having announced their intent NOT to take to the field this year the WARC Board of Directors and the Field Day Committee have devised an inter-club competition for 2020.

To add a little extra incentive the ARRL has issued 2 (two) one (1) time changes to the Field Day Rules.

In the past a home station operating on commercial power, class 1D, could only count contacts with Field Day stations not operating on commercial power. For 2020 your home station may now count all Field Day contact including 1D stations for credit. The second, and very significant, rule for 2020, is the creation of a Club Aggregate Score. For this to benefit WARC you must submit your log to the ARRL and declare **Warminster ARC** as you club affiliation. For the club to be recognized it must be entered as

(Continued on page 5)

WARMINSTER ARC on you log summary page.
Following are the details for the 2020 WARMINSTER ARC INTER CLUB COMPETITION.

Tony - W3FLH and I are looking forward to working many of you the fourth weekend in June for the 2020 FIELD DAY.

WARC CLUB COMPETITION RULES

WHEN: Start on 27 June 2020; 1600 UTC (2:00 PM Local time)

Ending on 28 June 2020; 1600 UTC (2:00 PM Local time)

WHERE: Any location of your choice including your home station. There are however, bonus points for operating from your backyard, a campground or park, or even from your car!

CLASS OF OPERATION: For FIELD DAY Contact, use the ARRL Rules at this link: http://www.arrl.org/files/file/Field-Day/2020/1_61-2020%20Rules.pdf

MODES: Any legal mode for the frequencies you wish to use is permitted, including: CW, SSB, Digital, FM, DMR, D Star (including repeaters,) as long as it is in compliance with ARRL guidance.

If you chose to share your effort with another operator under a single call then your class will be “multi-op.”

LOGS: Your logs must be submitted to ARRL under the Field Day Rules with your club affiliation assigned to WARC. The ARRL Field Day web page includes a series of articles with ideas and advice for adapting participation this year: <http://www.arrl.org/fieldday> Note that the ARRL is including an Affiliated Club aggregate score for Field Day 2020 like most ARRL sponsored contests so let us make a good showing from our membership.

If you have any questions about this, get in touch with Doc, W3GAD docw3gad@outlook.com

SCORING FOR THE WARC CLUB COMPETITION: To make for a level playing field and keep it fair, if you are capable of running more than the 100 or 200 watts available in today’s transceivers, please do not exceed the power levels for your class per ARRL Guidelines

WHO CAN PARTICIPATE IN THE WARC CLUB COMPETITION: Any current member of the Warminster Amateur Radio Club with 2020 dues up to date.

CLASS: Single op or multi-op and FIELD DAY class eg. 1A, 1B, etc. (see ARRL rules for additional details)

POWER: QRP (Less than 5 watts) or High Power (Limited to 150 watts)

MODE: Single mode, mixed mode, FM/drm/dStar

BONUS POINTS: See ARRL rules for additional details.

QSO POINTS: 1 point per contact. All contacts count irrespective of station class or mode.

WARC CLUB CONTEST SUBMISSION: In addition to submitting your score to ARRL, to be eligible for WARC Competition you must also send the summary page of your Field Day log to: docw3gad@outlook.com

Summary page must be received by WARC Field Day Coordinator W3GAD on or before July 11th.
Be sure to include any bonus point.
Be prepared to submit your full Field Day log (if requested.)

For reference, the operating classes are:

Class A = 3 or more operators and complete field installation

Class B = 1-2 persons with a field day set up operation



Class B-Battery = 1-2 persons, no gas generated power, 5 Watts max

Class C = Mobile

Class D = For Field Day 2020 **only**, Class D stations may work all other Field Day stations, including other Class D stations, for points. Under normal circumstances Class D stations would only be allowed to count contacts made with Class A, B, C, E, and F Field Day stations, but the temporary rule changes from the ARRL allow Class D stations to count contacts with other Class D stations along with everyone else for QSO credit. Full announcement is at this link: <http://www.arrl.org/news/temporary-rule-waivers-announced-for-2020-arrrl-field-day>

Class E = Home station on emergency power or solar powered

Class F = Operation from EOC – must test emergency power during the test but other than test commercial power is allowed.



WARC Competition Award Certificates will be issued for:

Highest QSO points for each class station

Best photo/story submission submitted to WARC FEEDBACK

Eligible bonus points will be used to break a tie in any category

Another New Beta Version of *WSJT-X* is Available

A new beta ("release candidate"), *WSJT-X* version 2.2.0-rc2, is now available for downloading from the [WSJT-X website](#), along with a [list of new features](#). The *WSJT-X* development team has also published additional FT8 "overflow" frequencies, as the *WSJT-X* 2.2.0-rc2 [Release Notes](#) explain.

"Increasing FT8 usage on 40, 30, and 20 meters means that the default 3 kHz subbands are often wall-to-wall with signals. Overcrowding encourages some to turn on their amplifiers, which only makes things worse. On a trial basis, and in response to numerous suggestions from around the world, we have added a second set of suggested dial frequencies for FT8 on three HF bands and also on 6 meters...7.071, 10.133, 14.071, and 50.310 MHz.

"These frequencies will appear in your dropdown band-selector list after you go to the 'Settings | Frequencies' tab, right-click on the frequency table, and select 'Reset.' Alternatively, you can add the new FT8 frequencies manually. When the conventional FT8 subband on 6, 20, 30, or 40 meters seems too full, please try moving your dial frequency down 3 kHz! [A]s currently implemented, *WSJT-X* will set your dial to the lowest frequency for the selected mode and band, when you switch bands."



The latest "general availability" (GA) release is *WSJT-X* 2.1.2.

Courtesy of the ARRL Newsletter

Federal Judge Okays Retrieval of *Titanic* Marconi Wireless Equipment

A US federal judge in Virginia has given permission to retrieve the ill-fated RMS *Titanic*'s Marconi wireless gear, which transmitted distress calls from the sinking ocean liner during its maiden voyage. Judge Rebecca Beach Smith of the US District Court in Norfolk ruled that the radio gear is historically and culturally important and could soon be lost within the rapidly decaying wreck. The *Titanic* sank in 1912 some 370 miles off the coast of Newfoundland after striking an iceberg.

"The Marconi device has significant historical, educational, scientific, and cultural value as the device used to make distress calls while the *Titanic* was sinking," Judge Smith wrote in her ruling. She said the company would be permitted "minimally to cut into the wreck" to access the radio room.

David Concannon, a lawyer for R.M.S Titanic Inc., which the court has recognized as the steward of the vessel's artifacts, said the company would try to avoid cutting into the ship, noting that the radio room may be reachable via a skylight that was already open. More legal wrangling may lie ahead. The National Oceanic and Atmospheric Administration (NOAA) contends that the retrieval expedition is still prohibited under US law and under an international agreement between the US and the UK.

R.M.S Titanic has said the radio transmitter could unlock some of the secrets about a missed warning message and distress calls sent from the ship.

"It tells an important story," Concannon said. "It tells of the heroism of the operators that saved the lives of 705 people. They worked until water was lapping at their feet."



In an April court filing, NOAA argued against the salvage effort, saying that any benefit to be realized from cutting into the vessel to recover the Marconi equipment would not be "worth the cost to the resource and not in the public interest."



RMS *Titanic* sought permission to carry out what it called a "surgical removal and retrieval" of the Marconi radio equipment. As might be expected, the deteriorating Marconi equipment is in poor shape after more than a century under water. The undersea retrieval would mark the first time an artifact was collected from within the *Titanic*, which many believe should remain undisturbed as the final resting place of some 1,500 victims of the maritime disaster. The wreck sits on the ocean floor some 2 1/2 miles beneath the surface, and remained undiscovered until 1985. R.M.S. *Titanic* said it plans to use a manned submarine to reach the wreck and then deploy a remotely controlled sub to retrieve the radio equipment.

A recreation of the *Titanic* Radio Room.

Courtesy of the ARRL Newsletter

ARISS Multipoint Telebridge Contact via Amateur Radio Concept Proving Successful



ISS Commander Chris Cassidy, KF5KDR.
[NASA, photo]

Judging by the outcome of two tests so far, the new Amateur Radio on the International Space Station ([ARISS](#)) Multipoint Telebridge Contact via Amateur Radio concept appears to be a winner. ARISS completed the second test of the new-style radio contact, called Multipoint Telebridge Contact via Amateur Radio, on May 15, when Airdrie Space Science Club members in Airdrie, Alberta, Canada, interviewed International Space Station Commander Chris Cassidy, KF5KDR, via ham radio.

"What makes this contact a little different from the usual ARISS contact is [that] everyone involved will be speaking from their homes in Canada, as we all shelter in place," said the contact moderator, John Kludt, K4SQC, in introducing the event. The multipoint telebridge concept was developed to make it possible for students -- now at home and engaged in distance learning due to the COVID-19 pandemic -- to take part in scheduled ARISS contacts. An ARISS telebridge ground station operated by John Sygo, ZS6JON, near Johannesburg, South Africa, made direct contact with NA1SS onboard the ISS, which was passing overhead. Sygo then patched two-way audio into the telebridge network for distribution to each student's home by telephone.

Each student then took turns asking questions of Cassidy, and their families, faculty members, and the public could also listen from home. One of the participants, Lucas, wanted to know how the COVID-19 pandemic has affected life aboard the space station.

"The pandemic has affected us because it's affected our families," Cassidy responded. "Our daily life here on the space station is largely the same, with or without the pandemic."

The initial multipoint telebridge contact earlier this month, while successful, suffered from some issues on the space station that were unrelated to the new multipoint system. During the more-than 11-minute contact on May 15, some of the students got to ask more than one question.

Prior to the restrictions imposed by the COVID-19 pandemic, the Canadian students had engaged in lessons about space and radio communication, such as launching balloons carrying ham radio payloads and building model rockets to launch. -- *Thanks to ARISS*

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.

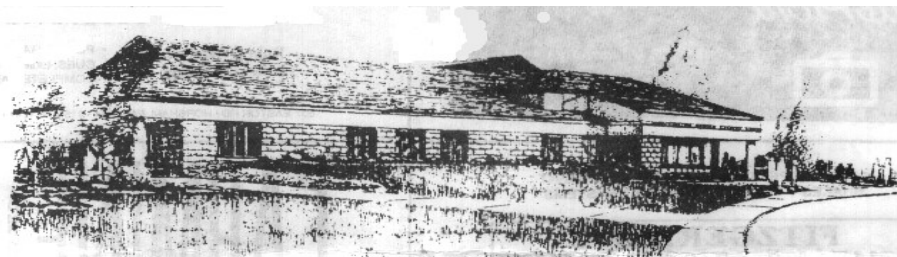
If you want to have your picture taken to be placed on the 'Members' Photos' section of the www.k3dn.org website, please contact Membership with your interest. When we get enough people who are interested we will post a notice in Feedback and have a camera ready at the following club meeting.

PROGRAMS 2020

June 4 - MS Society & Ham Radio

July 2 - Chris Trotter KB3CET and the Civil Air Patrol

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.

2020 Contest Calendar

June

13-15 [June VHF](#)

1800 UTC Saturday, runs through 0259 UTC Monday

20 [Kids Day](#)

1800 UTC through 2359 UTC

27-28 [Field Day](#)

800 UTC Saturday and running through 2059 UTC Sunday

July

11-12 [IARU HF World Championship](#)

1200 UTC Saturday and ending 1159 UTC Sunday

August

16 [Rookie Roundup – RTTY](#)

1800 to 2359 UTC

QSO Parties

Kentucky 1400Z, June 6 to 0200Z, Jun 7

West Virginia 1600Z, Jun 20 to 0400Z, Jun 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 2020 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, 3rd Monday at 6:30. Falls Township Building - 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 4th, non holiday Thursday of the month at the, Community Ambulance Association of Ambler, 1414 E Butler Pike, Ambler PA 19002 at 7:00 PM We also are testing on Saturdays at least once per quarter at 9:00 AM. 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 ➤ 2020

July 4

[Firecracker Hamfest, ARRL Pennsylvania State Convention](#)

Shumaker public safety building

N Hall Dr (industrial Road)

Harrisburg, PA 17101

<http://www.w3uu.org>

July 25

[CVARC Hamfest](#)

CVAEMA Show Grounds

1501 Criders Church Road

Chambersburg, PA 17201

<http://www.w3ach.org/>

September 13

[Gloucester County ARC Hamfest, ARRL Southern New Jersey Section Convention](#)

Gloucester County 4-H Fairgrounds

235 Bridgeton Pike (Route 77

Mullica Hill, NJ 08062

September 20

[EPARA HamFest](#)

American Legion Post 346

5th Street

East Stroudsburg, PA 18301

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

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:

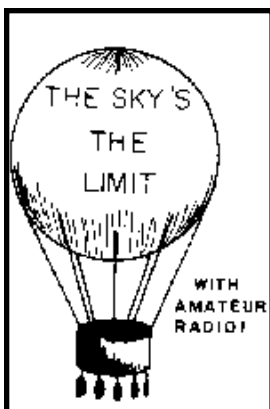
<https://www.weather.gov/phi/Info>

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, Tony Simek N3YNH



*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.

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

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:
k3dn@k3dn.org

Visit our Home Page at:
<http://www.k3dn.org>

The annual dues rate structure is as follows:

Full Member: \$ 20.00
2nd FamilyMember: \$ 10.00
Student: \$ 10.00
Alumni: \$ 10.00

- **Are your dues current ?**

2020 Officers

Executive Officers

President	Marty Squicciarini	NR3Z	215-872-9644
Vice-President	Tony Simek	N3YNH	
Secretary	Norm Miles	AB3ZZ	267-625-9117
Treasurer	Herb Hickmott	KB3VMN	267-718-3601
Director (A)	Doug Becker	KC3MNQ	
Director (E)	Larry Abbott	WA3ELQ	215-704-3282
Director (A)	Brandon Penglase	N3UO	215-259-7255
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	George Altemus	KA3WXV	215-855-3856
Digital and APRS	Ron Wenig	NY3J	215-638-9257
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 20	Doc Whitticar	W3GAD	215-968-6397
Hamfest 20	Michael Shanblatt	W3MAS	267-491-5773
Hamfest 20	Tony Cuttone	W3FLH	267-679-9297
Hamwear	Kathy Acker	KC3FBY	215-815-7978
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Mary Miles	KC3KJZ	267-625-8538
Net Manager	George Brechmann	N3HBT	215-443-5656
Publicity	Bernice Kraut	KB3PCX	215-884-8195
Refreshments	Brandon Penglase	N3UO	215-259-7255
RF Interference	Andy Vavra	KD3RF	610-287-3295
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
Sunshine Club	Ken Lichtenstein	K9KJL	847-697-1188
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	Al Konschak	WI3Z	215-491-9941
Youth Programs	Steve Larson	WW3Y	215-822-1511