



# FEEDBACK



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

Warminster Amateur Radio Club

August 2021

**Next Meeting August 5th via ZOOM - System Fusion w/Bruce WA3ZPC**

## PRESIDENT'S MESSAGE

Well, I'm not sure where to begin this month? How about with an apology for omitting this column from last month's Feedback: I missed my deadline, and like any good Editor, Jim WA4YWM can't let one person hold him back from publication. Kudos to Jim on his professionalism, and his continued fine work in getting the latest news from WARC, and amateur radio in general, into our Inboxes every month.

While we're on the subject of our Feedback newsletter, one of our members – Anthony KC3RVI – came to us with a proposal for sponsorship of Feedback for the next calendar year, a thoughtful and generous offer, indeed. In his role with Prudential Bank, he was able to offer an annual sponsorship fee in exchange for recognition on the last page of Feedback every month. After careful consideration and confirmation of our ability to do so, the Board gratefully accepted the offer and, beginning with this issue, we will be recognizing our sponsoring partnership with Prudential Bank for the next 12 issues. Thank you again, Anthony, for getting this instituted.

Segueing from one bit of financial news to another, the club's Annual Budget has been ratified by a vast majority of club members. With over 56% of club members casting votes – a terrific response, as most polls/surveys expect around 30-35% return – and nearly 98% of those voting having tallied in favor of approval, fiscal 2021-2022 will be the first in recent memory to project a balanced budget for the year. The Board would like to thank the club membership for their patience and cooperation in taking part in finalizing the budget in short order, once put up for vote.

In a change most of us have been anticipating for longer than we care to remember, at long last we will reconvene live meetings at the Ben Wilson Center, beginning with the General Meeting scheduled for Thursday, September 2. WARC will abide by any guidelines as set forth by the Ben Wilson Senior Activity Center, County of Bucks, and Commonwealth of Pennsylvania as mandated at the time of the meeting. Of course, all club members are able and encouraged to follow whatever precautions they feel most comfortable with when attending. I truly can't wait to see you all again, in person! We will be working on conducting this meeting in a hybrid fashion, so we can accommodate both in-house and online attendees. In doing so, there may be some technical hurdles that need to be overcome, so we kindly ask your patience as we address, and attempt to rectify, any situations that arise during the course of the meeting. Hopefully, these incidents are few, if any; but it's better that we're all prepared for any pitfalls...

Well, that's going to wrap it up for me this month. Enjoy the last full month of your summer, and see you – in person – in September!

Tony W3FLH  
73

## Warminster ARC General Meeting Minutes - July 1, 2021

### Attendance:

Call to Order

### Minutes from last Board Meeting

Additions/Corrections - Motion made and approved for minutes as printed in Feedback

### Committee Reports

#### Treasurer's Report: Herb KB3VMN

As reported at the meeting

#### Programs: Ray KA3TRU

August – System Fusion w/Bruce WA3ZPC

September – Intro to Contesting w/Irwin KD3TB

October – Contest University w/Tim K3LR

(Continued from page 1)

November – ARRL Night

**Membership: Kathy KC3FBY**

127 paid active members

1 paid waiting on completed application

New members:

David Potter, KC3QQM

Matthew Floyd, KC3SFG

Art Patten, Call sign pending

David Marucci, KC3SAC

**Public Service: George N3HBT**

Thank you for those who came out and helps at the golf outing last month.

Next club public service event will be the hole in one part 2 in October.

The MS 150 will be happening, stay tuned for details as well as the covered bridge run.

**Classes: George KA3WXV – not in attendance**

Next classes: September 13, Monday after Labor Day in person Tech from 7pm to 9pm.

**VEC Testing: Larry WA3ELQ**

Successful VE session on Monday May 24. 10 candidates, 9 successful, 1 extra and several from nothing to general.

Next session: July 26 with pre-registration.

No session in August

**Repeater: Brian N3EXA – not in attendance – Everything seems to be working fine.**

EOC is going to expand. They have money that they need to spend.

**Good and Welfare: Ken K9KJL – 1 card sent out this past month. Please contact Ken, Tony, or George if anyone knows of anyone who needs a card.**

**Other Committees**

**Radiosport:** Irwin KD3TB – 13 Colony Special Event this holiday weekend begins today and runs through Monday.

**Hamfest:** Tony W3FLH – tabled – postponed to 2022. Nothing to report.

**Field Day:** \*Doc W3GAD\* - Please be sure to submit your scores to ARRL. Make sure you reference Warminster ARC when submitting.

**Old Business**

Elmer Program – Online: Introduction to N1MM+ (Irwin KD3TB) – Planning another introduction session for N1MM. Please let us know if there is a topic that you would like an elmering session. Contact either Tony or Bill Ballantine

Club Station: Interest/Activity (Marty NR3Z & Andy KD3RF) – Tabled

Annual Club Auction/Online (Board/Andy KD3RF) – August/September time frame. Andy will be working on getting a fall online auction together. We have received lots of donated equipment. Stay tuned for more details.

Election results: The new board began today, July 1, 2021.

President – Tony Cuttone W3FLH

Vice President – Ray Oechslin KA3TRU

Secretary – Dan Myers K3NXX

Treasurer – Herb Hickmott KB3VMN

Directors – Larry Abbott WA3ELQ & George Brechmann N3HBT

CC Survey: Reconvening in-person activities. The board had some discussions regarding the survey. The outgoing and incoming board voted and has decided that as of September 2 we will reconvene in person meetings at the BWSC. Our meetings will be hybrid where Zoom will still be available for those who are not comfortable with in person or the speaker would rather be on Zoom. The center's capacity max is 100 at this point and they also have some cleaning requirements. We may need to purchase some equipment so that we can make this happen.

**New Business**

2nd installment of BWSC contract – The center has approved the club to forego paying the 2<sup>nd</sup> installment of our rent for the rest of the year.

2021-2022 Budget – Tony W3FLH – We missed setting the budget by June. The board is working on a proposed budget. Keep your eyes open for a Constant Contact email to review and vote to approve the budget.

Holiday Dinner – With a show of hands, it appears that about 50% of tonight's meeting attendees seemed open for doing a holiday dinner. We will discuss in further detail at the next board meeting

Motion made and accepted to adjourn meeting at 8:40 pm

**Presentation: Battleship New Jersey NJ2BB**

(Continued on page 3)

**FOR SALE**

Drake TR-4C, RV-4C, AC-4 with Harbach modes by WB4HFN, Drake desk mic 7075, original Drake manual for TR-4C, a few spare Drake parts. All in excellent electrical and physical condition. New matched finals replaced a few years ago. No issues. Great back up set-up or set up for new ham.

ASKING: \$495 with local pick-up at my home or nearby local to be discussed.

Contact Bob Wilderman a WARC member at dlrwild1@verizon.net or 267-535-9189 cell

K3SRO

*(Continued from page 2)*

### **HAM Radio Classes in the Fall of 2021 Starting September 13th**

#### Morse Code is no longer required for HAM Radio licenses

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.

**Technician classes** will be taught starting September 13th for 8 Mondays in a row from 7 to 9 pm. These instructor lead classes will get you started in HAM radio. Most students are ready to take the entry level license test by the end of the classes.

**Elmer guided classes** will be hosted by experienced WARC members starting September 13th for 8 Mondays in a row from 7 to 9 pm. Having trouble putting up an antenna or setting up a digital mode? This is the class for you.

All classes are held at the Ben Wilson Senior Center just off Street road and Delmont avenue in Warminster, PA. For further information contact George Brechmann, N3HBT at 215-443-5656

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

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

"We are reaching out today to let you all know that this year's **2021 MS Ride – City to Shore**, more affectionately known to us as "**The MS 150 – City to Shore**", has been given the go ahead for a full and complete event. The event will be held September 25th and 26th, 2021. Of course, we will once again, as always, be riding from Woodcrest Station in Cherry Hill to Ocean City.

Due to **ALL** the **CIRCUMSTANCES** of the past year, we are looking at a great many changing needs to our operations. We have lost some key positions that have been held by our tried and true for many years. We will definitely be looking to fill positions like SAG and Support Vehicles. We are hoping that some of our long term volunteers will consider moving into these positions."

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. The first request for operators resulted in only 39 responses. That is far below the number needed to adequately support the event. 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.

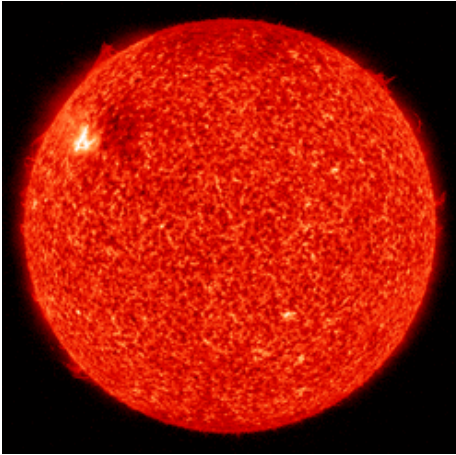
There are 7000 bikers looking for our support and they are very thankful for it.

I have placed a Registration Form on groups.io in the Files section. The file is called MS150.

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## The K7RA Solar Update



Tad Cook, K7RA, Seattle, reports: Solar activity slowed this week. The average daily sunspot number declined from 48.9 last week to 33.9 this week (July 22 - 28). Wednesday, July 28, saw no sunspots at all.

Average daily solar flux went from 81.3 to 83.

Geomagnetic indicators held steady, with average daily planetary A index at 6.4 both last week and this week. Average daily middle latitude A index went from 6.4 last week to 6.3 this week.

Predicted solar flux is 80 on July 29; 78 on July 30 - 31; 76 on August 1; 74 on August 2 - 3; 75 on August 4 - 12; 78, 80, 82, and 85 on August 13 - 16; 90 on August 17 - 18; 85 on August 19 - 20; 80 on August 21, and 82 on August 22 - 28.

Predicted planetary A index is 12, 8, 10, and 8 on July 29 - August 1; 5 on August 2 - 9; 12 and 10 on August 10 - 11; 5 on August 12 - 15; 10 and 8 on August 16 - 17; 5 on August 18 - 23; 12, 12, and 8 on August 24 - 26, and 5 on August 27 - September 6.

KC0V reported a big 2-meter sporadic-E opening this week from DN70 in LaPorte, Colorado, to stations across the midwest, 2216 - 2235 UTC.

Sunspot numbers for July 22 - 28 were 77, 46, 35, 24, 25, 25, and 0, with a mean of 33.1. The 10.7-centimeter flux was 89, 87.4, 83.9, 81.6, 80.8, 79.6, and 78.8, with a mean of 83. Estimated planetary A indices were 11, 4, 4, 3, 4, 6, and 13, with a mean of 6.4. Middle latitude A index was 9, 3, 5, 5, 3, 6, and 13, with a mean of 6.3.

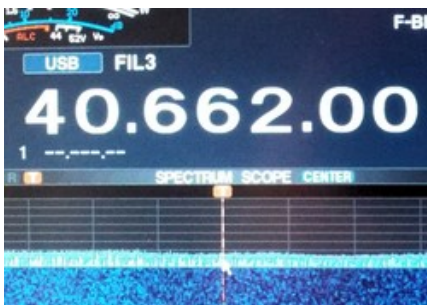
A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean...", and [check out](#) this Propagation Page.

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

[Share](#) your reports and observations.

*Courtesy of the ARRL Newsletter*

## 8-Meter Experimental Station on the Air from the US



[WL2XUP](#) is an FCC Part 5 Experimental station operated by Lin Holcomb, NI4Y, in Georgia. It's licensed to operate with up to 400 W effective radiated power (ERP) between 40.660 MHz to 40.700 MHz.

John Desmond, EI7GL, reports that as of mid-July, WL2XUP was intermittently transmitting on Weak-Signal Propagation Reporter (WSPR) on 40.662 MHz (1500 Hz) for 2 minutes out of every 10, with an output power of 20 W ERP into an omnidirectional antenna. For FT8 check-ins and tests, an ERP of 100 W may be used. The band is affected by several propagation modes, including tropospheric ducting, sporadic E, transequatorial propagation (TEP), and F2 propagation. As Desmond notes, the 40 MHz band will open a lot earlier than 50 MHz and could be a useful resource for stations monitoring the transatlantic path.

A 2019 *Petition for Rulemaking* ([RM-11843](#)) asked the FCC to create a new 8-meter amateur radio allocation on a secondary basis. The *Petition* suggests the new band could be centered on an industrial-scientific-medical (ISM) segment somewhere between 40.51 and 40.70 MHz. The spectrum between 40 and 41 MHz is currently allocated to the federal government and, as such, within the purview of the National Telecommunications and Information Administration ([NTIA](#)).

ARRL member Michelle Bradley, KU3N, of Maryland, filed the petition on behalf of REC Networks, which she founded and described in the *Petition* as "a leading advocate for a citizen's access to spectrum," including amateur radio spectrum.

*Courtesy of the ARRL Newsletter*

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## MARS HF Net Participants Aid in Response to Fatal Maritime Disaster

On July 6, an evening Army Military Auxiliary Radio System (MARS) HF practice net in Federal Emergency Management Agency (FEMA) Region 2 (New York and New Jersey) was interrupted by several "mayday" distress calls on the channel, which is shared with the maritime service. Net control station Ron Tomo, KE2UK, immediately halted training and attempted (without success) to establish radio communication with the station in distress. Tomo then directed two other net members who heard the distress call -- John Hoover, K2XU, and Wayne Gearing, K2WG -- to attempt to establish communication and offer assistance.

While the other net members were attempting to contact the vessel by radio, Tomo contacted the US Coast Guard (USCG) station at Jones Beach Island in New York, which alerted the USCG Sector Command at Long Island Sound to join the MARS operators on frequency. MARS operators remained on frequency to assist the USCG in listening for the distress call.



**Surviving crew members from the *Falling Star* spent 10 days in a skiff.**

Several hours later, the fishing vessel *Falling Star* was identified as missing with 15 individuals on board, all from Honduras. Ten days later, the USCG confirmed that 10 of the passengers survived in a skiff and were rescued by a passing commercial oil tanker -- the *MTM*

*Amsterdam* -- which spotted their small craft. Tragically, the skipper of the *Falling Star* died 1 day before the survivors were found, and was buried at sea.

The vessel was en route from Jamaica to Guatemala when it was reported to have rolled over without warning on July 6, just before midnight.

MARS volunteers alerted the USCG to the vessel in distress several hours before the *Falling Star* was identified and confirmed as missing. While 10 of those aboard *Falling Star* were rescued, five others didn't make it home after this tragic event.

The Jamaica Defence Force (JDF) Coast Guard collaborated with counterparts from the US, Honduras, Nicaragua, Colombia, Cuba, and the Cayman Islands in the search for the vessel.

*Courtesy of the ARRL Newsletter*

## FCC Investigating Alleged Jamming on 40 Meters



Reports suggest that jamming stations have been deployed on the lower portion of 40 meters. The jamming appears to be coming from Cuba. The signals, spaced at regular intervals, exhibit a squishy, popping noise. The apparent jamming showed up after anti-government protesters took to the streets in Cuba, followed by a government crackdown. So far, there's no proven connection between the jamming and the protests, as evidence has been circumstantial. DX spots suggest that Cuban hams are on the air on SSB but do appear rare on 40 meters. A lot of Cuban spots point to FT8 activity. The jamming issue has drawn the attention of the FCC, which is looking into the matter, according to one tech publication.

"Too many people around the world are fighting uphill battles to be able to use technology to expand economic opportunity, express themselves, and organize without fear of reprisal," an FCC spokesperson told [Motherboard](#). "The FCC is committed to supporting the free flow of information and ensuring that the internet remains open for everyone. We are assessing these reports in conjunction with our field agents and communicating with the Department of State as this issue develops."

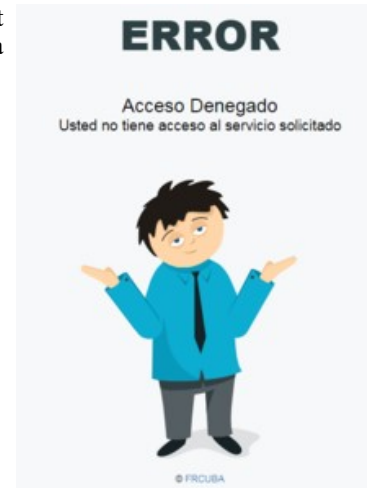
Josh Nass, KI6NAZ, of the YouTube channel, *Ham Radio Crash Course* ([HRCC](#)), is calling the interference "The Cuban Rum Runner," an oblique reference to the "Russian Woodpecker" of yesteryear.

Outside of ham radio, the ability to connect with some social media sites and even with the internet inside Cuba has been reportedly tricky. Connecting to the Federación de Radioaficionados de Cuba ([FRC](#)) website (Cuba's IARU member-society) from outside of Cuba has been unreliable. This week, users attempting to do so -- at least those in the US -- got a shrugging cartoon character and the legend, "Acceso Denagado" -- access denied. The FRC Facebook page is accessible, but links to the FRC website are blocked. FRC had warned of "possible outages" more than a week ago, attributing the problem to maintenance being done in the data center where FRC is housed.

Well-known amateur radio contester and DXer Fred Laun, K3ZO, pointed out in a July 17 post to the Potomac Valley Radio Club reflector that typical ham radio contacts with Cuba "are not normally about politics, though I suppose in the wake of recent events they may have become so."

International Amateur Radio Union ([IARU](#)) Region 2 (the Americas) President Ramón Santoyo, XE1KK, said no complaints had been received by July 20.

*Courtesy of the ARRL Newsletter*



### First X-Class Major Solar Flare of Solar Cycle 25 Blacks Out HF on July 3

For a brief time on July 3, a lot of radio amateurs were wondering, "Where did the bands go?" as the first X-class solar flare in 4 years blacked out HF propagation for a time.

"I was on 20-meter FT8, and my waterfall display went from solid red signals to solid nothing in the blink of an eye," Scott Craig, WA4TTK, told "K7RA Solar Update" Editor Tad Cook, K7RA. "It lasted about 10 minutes." Craig was not alone.

"Many American radio amateurs reported sudden HF propagation blackouts on Saturday morning, July 3, when solar active region 12838 produced an X1.5 major solar flare that reached maximum intensity at 1429 UTC, the first X-class solar flare of Solar Cycle 25 and the first since 2017," said Frank Donovan, W3LPL. "HF propagation blackouts are caused when x-ray and extreme ultraviolet radiation from X-class solar flares strongly ionizes the absorbing D-region in the Earth's sun-facing dense lower ionosphere," he explained. Such a radio blackout occurs when a pulse of x-rays ionize the top layer of the atmosphere, the exosphere.



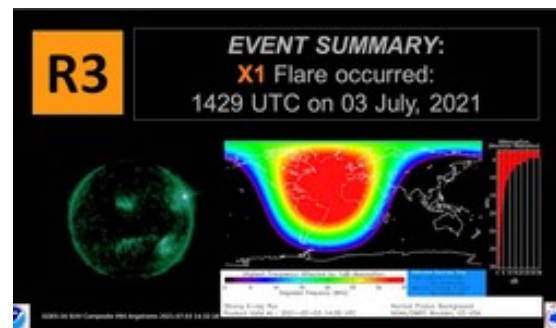
In this instance, it caused what NOAA's Space Weather Prediction Center ([SWPC](#)) calls an R3-level or "strong" radio blackout (on a [scale](#) of R1 - R5). An R3 incident can cause a "wide-area blackout of HF radio communication [and] loss of radio contact for about an hour on [the] sunlit side of Earth. Low-frequency navigation signals degraded for about an hour."

Donovan said that X-class major solar flares are necessary consequences of steadily increasing Solar Cycle 25 activity. "95% of all X-class solar flares occur when the solar flux index is 90 or greater. The remaining 5% can occur any time during the solar cycle," he points out. "X1-class major solar flares typically degrade HF propagation for only an hour or two at mid and high latitudes, only on Earth's sunlit side."

X-class major flares are measured on an open-ended scale. The strongest one ever recorded was an X28 flare in 2003, hundreds of times more powerful than the July 3 X1.5 solar flare. X10-class and stronger solar flares typically have effects that last for most of a day and affect the entire sunlit side of the Earth. Fortunately, X10-class solar flares occur only about once every 20 years or more.

"Much more severe and long-lasting HF propagation degradations are often caused by the coronal mass ejections (CMEs) often associated with -- but not caused by -- major solar flares," Donovan explained. "HF propagation degradation caused by CMEs typically begins about 2 days after the effects of the associated solar flare, the duration of the delay depending on interactions between the CME and the solar wind."

The CME associated with the July 3 X1.5 solar flare is likely to have little no effect on HF propagation going forward, because the active region was very close to the western edge of the visible solar disk when the CME erupted. Region 12838 rotated off the visible disk on Sunday, July 4.



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Solar flares have no significant effect on VHF ionospheric propagation, but can degrade satellite communications passing through the ionosphere. More frequent, less powerful M-class medium solar flares produce short-duration degradation at high latitudes. Very frequent, much weaker A-, B-, and C-class solar flares do not degrade HF propagation. -- *Thanks to Frank Donovan, W3LPL*

### 2021 Contest Calendar

#### August

##### **7-8 [222 MHz and Up Distance Contest](#)**

1800 UTC Saturday and ending at 1759 UTC Sunday

##### **22 [Rookie Roundup – RTTY](#)**

1800 to 2359 UTC

#### September

##### **11-13 [September VHF](#)**

1800 UTC Saturday, ends 0259 UTC Monday

#### October

##### **18-22 [School Club Roundup](#)**

Monday through Friday from 1300 UTC Monday through 2359 UTC Friday

#### QSO Parties

Maryland-DC 1400Z, Aug 14 to 0400Z, Aug 15

Hawaii 0400Z, Aug 28 to 0400Z, Aug 30

Kansas 1400Z, Aug 28 to 0200Z, Aug 29, 1400Z-2000Z, Aug 29

Ohio 1600Z, Aug 28 to 0400Z, Aug 29

### 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 2021 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](mailto: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](mailto:jmccloskey@msn.com) and by phone 215-275-2979.

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

### ➤ ATLANTIC DIV. HAMFESTS ➤ 2021

#### August 7

##### [Reading Radio Club Hamfest](#)

Heritage Park 992 Clematis St. Sinking Spring, PA

<http://www.qsl.net/w3bn/>

#### September 12

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

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

Mullica Hill, NJ 08062

<http://www.w2mmd.org>

#### September 25

##### [Hollywood Maryland 7th Annual TailgateFest](#)

Hollywood Volunteer Fire Department Bingo Hall

24801 Three Notch Road (MD Rte. 235) Hollywood, MD 20636

<http://k3hki.org>

#### September 26

##### [Eastern Pennsylvania ARA Hamfest](#)

The American Legion Post 346

126 East 5th Street East Stroudsburg, PA 18301

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

## CLUB INFO

### **PUBLIC SERVICE**

See the article on the MS150 City to Shore bike run.

### **CLUB STATION**

The WARC club station is open to anyone with an interest, on the first Thursday of the month (meeting night) between the hours of 6:30 and 7:30 pm. with the exception of the December dinner meeting For further information, call George Brechmann N3HBT at 215-443-5656.

### **WARC ALUMNI MEMBERSHIP**

An Alumni membership category is available for WARC members who are unable to attend meetings and club activities on a regular basis because of health considerations, travel impediments, or other hardships. Dues for the Alumni membership are \$10.00 annually and are approved by the Board. Please contact the Membership Committee for more information if interested."

### **ATTENTION MEMBERS**

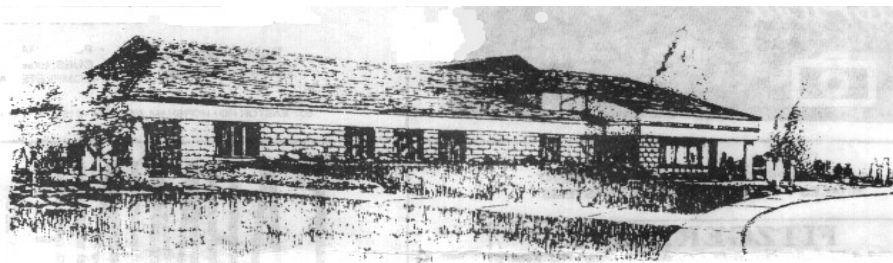
The Membership Committee can provide Club badges. Two types are available: an engraved plastic callsign and name badge for \$8 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership. Pictures for the club badge will be taken before club meetings on even numbered months. If you do not have at least a Warminster Amateur Radio Club badge with your picture on it, please contact your Membership Chairs at the WARC monthly meetings. Otherwise, please contact Membership by email at: [membership@k3dn.org](mailto:membership@k3dn.org).

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

## PROGRAMS 2021

August – System Fusion w/Bruce WA3ZPC  
 September – Intro to Contesting w/Irwin KD3TB  
 October – Contest University w/Tim K3LR  
 November – ARRL Night

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, Tony Simek N3YNH

**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

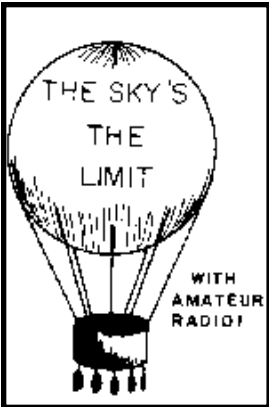
**6 Mtr**

- 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](http://www.bucksares.org)

Bucks County ARES will be on the air Wednesdays, at 9:00 PM . We will be using Warminster Amateur Radio Club's repeater on 147.090, pl 131.8. This net is linked as shown in the Net Schedule box for the Wednesday night net. It may also be linked to 147.300.

Winlink Gateway Stations:

Lower Bucks NY3J-10 145.530 Bensalem

**Net Schedules**

Sunday	2000	10 Meter Net	28.445 MHz
Wednesday	2000	2 Meter Net	147.09 Rptr.
Wednesday	2000	Linked w/ 2 Meter Net	443.95
Rptr.Wednesday	2000	Linked w/ 2 Meter Net	53.230 Rptr.
Sunday	2030	Informal Net	223.5 Simplex
Thursday	1900	Mont. Cnty RACES Net	146.835 Rptr.

### Are you submitting an article for the Feedback ?

Contributions of articles to be published are always accepted for consideration. Please follow these guidelines:

- E-Mail to:  
**wa4ywm@comcast.net**  
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 ?

## 2021 Officers

### Executive Officers

President	Tony Cuttone	W3FLH	267-679-9297
Vice-President	Ray Oechslin	KA3TRU	
Secretary	Dan Myers	K3NXX	
Treasurer	Herb Hickmott	KB3VMN	267-718-3601
Director (A)	Doug Becker	KC3MNQ	
Director (E)	Larry Abbott	WA3ELQ	215-704-3282
Director (A)	Mike Malone	W3MJM	215-639-2175
Director (E)	George Brechmann	N3HBT	215-443-5656
Past President	Marty Squicciarini	NR3Z	215-872-9644

### 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 21	Doc Whitticar	W3GAD	215-968-6397
Hamfest 21	Michael Shanblatt	W3MAS	267-491-5773
Hamfest 21	Tony Cuttone	W3FLH	267-679-9297
Hamwear	Kathy Acker	KC3FBY	215-815-7978
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Kathy Acker	KC3FBY	215-815-7978
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



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