



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

September 2021

Next Meeting Sept. 2nd HYBRID (ZOOM & In Person) - Contesting/Irwin KD3TB

PRESIDENT'S MESSAGE

As the Summer winds down, we find ourselves once again with more questions than answers as far as live gatherings go. New mandates are being established, reinstituting of mandatory masking, requiring proof of vaccination, and other measures ostensibly for our safety, but certainly restricting our ability to come to a consensus on when – or whether – to gather together again in person for club activities. As a Board, we generally choose to err on the side of caution, for a multitude of reasons, all previously discussed. Given the current climate on the subject, we are bound to appease some while aggravating others, with no way to make a decision that will satisfy the entirety of our diverse membership. Rest assured that the Board is giving careful thought to the ongoing situation, and will always keep the best interests of WARC and its members at the fore when making any decisions, especially when they are as pivotal as this.

On a lighter note, the last half of Summer also means that the time is now to undertake any antenna improvements, while the weather allows. Being passed the dog days will help as we linger outside putting wire and - for the lucky ones among us – aluminum in the sky! Tackling these projects now will mean less trouble as the weather turns cold, and the bands start to pick back up for the Winter.

The tail end of Summer also means that Contest season is fast approaching. Although contesting may not be your cup of tea (or not yet, anyway, at least until you see Irwin KD3TB give his presentation this month!), it always seems like those that do electrify the ether with their “599” exchanges somehow open the window for better band conditions...

And hopefully, you will all be able to tell me how wonderful and fulfilling you find this column every month at the September meeting – in person!! Looking forward to getting back together, and, barring any last-minute setbacks, we should be able to do just that this month. {fingers crossed}

Until next month, be safe, be kind, and be on the radio!

Tony W3FLH
73

Warminster ARC General Meeting Minutes - August 5, 2021

Meeting called to order at 7:33pm by Past President Marty (NR3Z)

Minutes from July Meeting:

Motion made to approve as submitted with no corrections or amendments.

Committee Reports:

Treasurer's Report: Herb (KB3VMN)

As reported

Current on all bills

Did not have to pay the center for the current six months

Sponsorship from Prudential Bank received. Any additional sponsorship from the members will be gladly accepted.

Programs: Ray (KA3TRU)

September – Intro to Contesting w/Irwin (KD3TB) will be virtual not live.

October – Contest University w/Tim (K3LR)

November – ARRL Night

December - Holiday dinner or substitute event?

Membership: Kathy (KC3FBY)

129 Paid Members. One application submitted to the board for approval.

Public Service: George (N3HBT)

Columbus Day Golf Outing in October

(Continued from page 1)

Classes: George (KA3WXV)

Next classes: Sept. 13, 7:00 to 9:00pm. Tech and General classes will be taught at the same time. ARRL class text books available for purchase. Elmers will also be available at the class room to help you with your projects. Please email George at KA3WXV@yahoo.com with a full description of your project. All class and Elmer participants must be vaccinated and masked in order to take the classes.

VEC Testing: Larry (WA3ELQ)

No session in August. Next session will be Sept. 27 with walk-ins welcome.

Repeater: Brian (N3EXA)

Repeater working fine. Brian is waiting for the Warminster twp. building to open to do additional work.

Good and Welfare: Ken (K9KJL)

Michael Shanblatt (W3MAS) had surgery. Get Well card sent.

Other Committees:

Radiosport: Irwin (KD3TB)

Many upcoming contests have been posted to the io.groups by Irwin.

Hamfest: Tony (W3FLH)

No Report

Field Day: Doc (W3GAD)

No Report

Old Business:

Elmer Program – Online: Introduction to N1MM+ (Irwin KD3TB)

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

Closed until the center reopens

Annual Club Auction/Online – August/September (Board/Andy KD3RF)

Will be online

2021-2022 Budget- Herb (KB3VMN)

Budget was passed. There were no large expenses from last year, just spending enough to keep the club running.

Looking for more sponsors NOT advertisers.

Reconvening In-Person Activities (Sept. 2, General Meeting)

The September meeting will be virtual. Future meetings will be tried as a combination of hybrid of live and on-line. Vaccination may be required to enter the center.

Holiday Dinner (?)

Undecided

New Business:

Feedback sponsorship/Prudential Bank, Anthony (KC3RVI)

Thank you Anthony.

Business portion of meeting adjourned at 7:57pm

Presentation:

System Fusion w/Bruce (WA3ZPC)

MS-150 City to Shore Update (OUR HELP IS STILL 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.

(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.

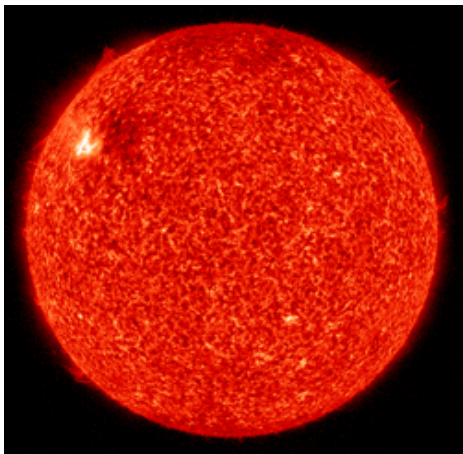
Elmer guided classes will be hosted by experienced WARC members starting September 13th for 8 Mondays in a row from 7 to 9 pm. Having trouble putting up an antenna or setting up a digital mode? This is the class for you.

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

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.

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Sun watchers saw no days without sunspots this week. Average daily sunspot numbers rose from 17.7 last week to 21.7 over the August 19 - 25 reporting week. Average daily solar flux increased from 73.8 to 78.5.

Geomagnetic indicators were quiet, with average daily planetary A index declining from 6.1 to 4.7, and average daily middle latitude A index dropping from 7.6 to 5.7.

We are less than 1 month away from the autumnal equinox in the Northern Hemisphere on Wednesday, September 22. That's when both hemispheres will be bathed in equal measures of solar radiation -- always good for HF propagation.

Predicted solar flux is 84 on August 26 - 27; 85 on August 28 - September 1; 78 on September 2; 73 on September 3 - 11; 74 on September 12 - 15; 76 on September 16 - 18; 77 on September 19 - 20; 76 on September 21, and 75 on September 22 - 29.

Predicted planetary A index is 15, 18, 12, 10, and 8 on August 26 - 30; 5 on August

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31 - September 2; 12 on September 3; 5 on September 4 - 10; 10 and 8 on September 11 - 12; 5 on September 13 - 18; 8 on September 19 - 20; 15 and 10 on September 21 - 22; 7 on September 23 - 24; 5 on September 25 - 28, and 8 and 12 on September 29 - 30.

Sunspot numbers for August 19 - 25 were 25, 14, 25, 16, 14, 29, and 29, with a mean of 21.7. The 10.7-centimeter flux was 74.9, 77.7, 77.1, 77.1, 78.1, 80.9, and 83.6, with a mean of 78.5. Estimated planetary A indices were 4, 5, 3, 3, 4, 5, and 9, with a mean of 4.7. Middle latitude A index was 5, 6, 4, 4, 8, 5, and 8, 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](#) 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

Calif. Man Gets Alarming Call from Friend on Ham Radio — and Jumps Into Action to Save His Life

"I thought it was a prank call at first," said Bill Scott, whose wife was the one to realize that his friend was having a stroke

Sometimes a call to the wrong number can end up going to the right people.

Bill Scott, a resident of California's San Joaquin County, helped save his best friend's life earlier this summer thanks to his trusty ham radio, [CBS station KOVR](#) reported.

Back in June, Bill — who has been an amateur radio operator for four decades — received an unusual call. "I thought it was a prank call at first," he told the outlet.

Eventually, Bill figured out that his friend Skip Kritcher, who lived 500 miles away in Oregon, had mistakenly dialed his number — and was in need of help. Bill's wife, a retired nurse, was the one to realize Kritcher was having a stroke.

"The speech that he had was slurred and my husband couldn't seem to keep him on task, he was skipping all over and confused," Sharon told the CBS affiliate in Sacramento.

After realizing what was going on, Bill and his wife called 911. They were able to get Kritcher the help he needed. Afterwards, one family member told the couple that they saved the Oregon man's life.

"She said that the EMT told her that he would've died within a couple of hours," said Sharon.

These days, Kritcher is on the mend — and is still in touch with his life-saving friend.

"Just a miracle that he called the wrong number and he got us," Sharon told KOVR, "and we were able to do something to help him."

People magazine, August 16, 2021

ARRL Now Provides Free RF Exposure Calculator

The FCC has adopted guidelines and procedures for evaluating environmental effects of RF emissions. The new guidelines incorporate two tiers of exposure limits based on whether exposure occurs in an occupational or "controlled" situation, or whether the general population is exposed or exposure is in an "uncontrolled" situation.

Under the new FCC rules, some amateurs need to perform routine station evaluations to ensure that their stations comply with the RF exposure rules. This can be as simple as running an online calculator to determine the minimum safe distance between any part of your antenna and areas where people might be exposed to RF energy from your station. Although amateurs can make measurements of their stations, evaluations can also be done by calculation.



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To make this easy for amateurs, ARRL now provides an [RF exposure calculator](#) on its RF Exposure page. To use the calculator, enter your transmit peak-envelope power (PEP) and operating mode, and answer the questions about the maximum amount of time you might be transmitting. The calculator will give you the minimum distance people must be from your antenna and human exposure.

You can print the results and keep them in your station records. There is no requirement to send your results to the FCC.

Courtesy of the ARRL Newsletter

Sailing Vessel with Ham Radio History Marks 100 Years

The schooner [Bowdoin](#) is a century old this year. Now owned by the Maine Maritime Academy ([MMA](#)) as a training vessel, the ham radio history of the 88-foot (LOA) *Bowdoin* is often neglected. Constructed in Maine specifically for Arctic exploration, the vessel relied on amateur radio for communication during explorer Donald B. MacMillan's Arctic Expedition of 1923 and on the MacMillan-McDonald-Byrd Expedition of 1925 -- thanks in part to ARRL co-founder Hiram Percy Maxim, W1AW. The venerable vessel, the official vessel of the State of Maine and the [flagship](#) of Maine Maritime Academy's Vessel Operations and Technology Program, recently underwent a complete hull restoration and refitting and has done a little touring to mark its centenary. Its home port is Castine, Maine.



The longwave transmitters MacMillan used on his earlier missions had proved "unable to penetrate the screen of the aurora borealis," ARRL historian Michael Marinaro, WN1M, explained in his article, "Polar Exploration," in the June 2014 issue of *QST*. In 1923, MacMillan turned to ARRL for help in outfitting his next expedition with better wireless gear. Marinaro recounted, "It was enthusiastically provided." Maxim and the ARRL Board recruited Donald H. Mix, 1TS, of Bristol, Connecticut, to accompany the crew as its radio operator.

M.B. West, an ARRL Board member, designed the gear, which was then built by amateurs at his firm, Zenith Electronics. The transmitter operated on the medium-wave bands of 185, 220, and 300 meters, running 100 W to a pair of Western Electric "G" tubes. Earlier exploratory missions had used gear that operated on longwave frequencies. The shipboard station on board the *Bowdoin* was given the call sign WNP -- Wireless North Pole.



ON BOARD THE "BOWDOIN," AFTER UNPACKING THE EQUIPMENT from a mountainous pile of packing cases. Left to right: F. H. Schnell, ARRL Traffic Manager; D. H. Mix, WNP's operator; K. B. Warner, Editor of "QST"; M. B. West, Zenith engineer who designed the installation; and Dr. MacMillan, the "Bowdoin's" skipper.

"WNP transmitted weekly 500-word press releases and listings of stations worked and heard," Marinaro said. "Once received by amateur stations, these reports were delivered to local affiliated newspapers of the North American Newspaper Alliance; from there, they were distributed syndicate-wide by telegraph."

MacMillan's subsequent attempt at the North Pole centered around wireless. The objectives supported by the Navy and the National Geographic Society were to determine the full capabilities of radio north of the auroral belt and to explore the northern reaches by air. The outstanding accomplishment of the 1925 expedition was in the sphere of radio. Utilizing shortwaves, the expedition was in consistent contact with the outside world throughout the journey, to the delight of the amateurs who were able to work them. The phenomenal success proved to the Navy that shortwaves were definitely superior to the longwaves and ultra longwaves that fleets had been using.

Courtesy of the ARRL Newsletter

Bouvet Island DXpeditions Are in Planning Stages for 2021, 2022, and 2023

Parallel planning is under way by three entities for DXpeditions to Bouvet Island in 2021, 2022, and 2023. The remote volcanic, glacial sub-Antarctic island in the South Atlantic is the second-most-wanted DXCC entity, according to Club Log. In June, the Intrepid-DX Group canceled its 3Y0J DXpedition, planned for 2023, after the RV *Braveheart* was put up for sale. Not long after, the Intrepid-DX Group revived its plans and was seeking a suitable vessel.

On August 8, a DXpedition [using the 3Y0J call sign](#) announced the signing of a contract with the expedition vessel *Marama*, a 101-foot sailing ketch with "a proven track record and experienced polar crew." Co-leaders for the November 2022 effort are Ken Opskar, LA7GIA; Rune Øye, LA7THA, and Erwann Merrien, LB1QI. Opskar, who holds the 3Y0J license, split from the Intrep-

id-DX Group DXpedition effort he headed with co-leader Paul Ewing, N6PSE.

In a brief announcement on August 3, Ewing had said that a Bouvet DXpedition team under "revised leadership" had found "a suitable/affordable vessel willing to take us to Bouvet," and was negotiating the terms of that charter contract. Ewing's co-leaders would be David Jorgensen, WD5COV, and Kevin Rowett, K6TD. The Intrepid-DX Group now must secure a new license and landing permission from the Norwegian Polar Institute.

Meanwhile, Polish radio amateur Dom Grzyb, 3Z9DX, says planning continues for a second expedition on Bouvet Island in late 2021, using the call sign [3Y0I](#). "As you probably know, our first attempt to reach the island of Bouvet in March 2019 failed," Grzyb says on the DXpedition's website. "We were so close -- just 63 nautical miles off the shore of Bouvet Island."



The reconstituted 3Y0J group under the LA7GIA/LA7THA/LB1QI triumvirate said in its August 8 announcement that it planned to begin fundraising "immediately." It would field a team of 12 operators for a 20-day stay "around Bouvet." They would set up at Cape Fie at the southeastern part of the island, which they called "the only feasible part where a DXpedition can safely set up camp on rocky ground; we will not set [up] camp on the glacier."

Courtesy of the ARRL Newsletter

Faith Hannah Lea, KD3Z, is *Amateur Radio Newline* 2021 Young Ham of the Year

ARRL member Faith Hannah Lea, KD3Z, of Palm Coast, Florida, has been selected as the 2021 Bill Pasternak WA6ITF Memorial [Amateur Radio Newline](#) Young Ham of the Year. Faith Hannah comes from an all-ham family. She is the daughter of James Lea, WX4TV, and Michelle Lea, N8ZQZ. Her brother and two sisters are also hams. She credited her parents with being the biggest influences in her entry into amateur radio at the age of 10 in 2014. Just 18 months after being licensed, Faith Hannah was invited to join the 2016 Dave Kalter Memorial Youth DX team, which operated from the Saba station of Jeff Jolie, as PJ6/NM1Y.

"And that's when I realized especially that DXing is amazing, because I absolutely love those huge pileups and getting to talk to all of those different people," she explained.

Among her PJ6 achievements was a satellite contact that broke the SO-50 distance world record. Her account of the event appeared in the March/April 2017 issue of *The AMSAT Journal*.



In August 2018, Faith Hannah took part in the week-long Youngsters on the Air (YOTA) camp in Johannesburg, South Africa, where she participated in kit building, antenna projects, satellite operation, and a high-altitude balloon launch. An article about her experiences in South Africa appeared in *CQ Magazine*.

On the way to South Africa, Faith Hannah and her father had a 22-hour layover in Dubai, the United Arab Emirates. While there, they were invited by the Emirates Amateur Radio Society to visit and operate A62A and A60YOZ.

In December 2018, Faith Hannah, her younger sister, Hope, ND2L, and their father organized a 36-hour mini DXpedition to the Dry Tortugas in the Gulf of Mexico, off the southwest coast of Florida, where they operated as N4T. The family team put 1,970 HF contacts and 100 satellite contacts into the log. *CQ* published Faith Hannah's account of the N4T operation, and she and Hope shared the April 2019 cover of the magazine.

Faith Hannah earned an associate degree from Daytona State College at age 15 and currently attends Stetson University in Deland, Florida, where she is a member of the junior class. She maintains a 4.0 grade point average while working toward two separate bachelor's degrees -- in molecular and cellular biology and business administration. She is considering two possible career tracks -- medicine or law, or possibly both.

Courtesy of the ARRL Newsletter

2021 Contest Calendar

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

Colorado	1300Z, Sep 4 to 0400Z, Sep 5
Tennessee	1800Z, Sep 5 to 0300Z, Sep 6
Alabama	1500Z, Sep 11 to 0300Z, Sep 12
Iowa	1400Z, Sep 18 to 0200Z, Sep 19
Texas	1400Z, Sep 18 to 0200Z, Sep 19 and 1400Z-2000Z, Sep 19
New Jersey	1600Z, Sep 18 to 0359Z, Sep 19
New Hampshire	1600Z, Sep 18 to 0400Z, Sep 19 and 1600Z-2200Z, Sep 19
Maine	1200Z, Sep 25 to 1200Z, Sep 26

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.

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 ➤ 2021

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 25

[Hagerstown Tailgate Fest](#)

Maugansville Bible Bretheren Church
17904 Binkley Ave Maugansville, MD 21767
<https://w3cwc.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.
Columbus Day Golf Outing in October - see George N3HBT

CLUB STATION

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

WARC ALUMNI MEMBERSHIP

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

ATTENTION MEMBERS

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

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

PROGRAMS 2021

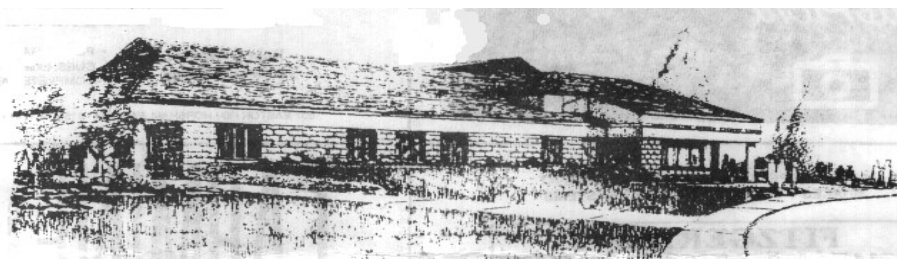
September – Intro to Contesting w/Irwin KD3TB

October – Contest University w/Tim K3LR

November – ARRL Night

December - Holiday Dinner?

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:

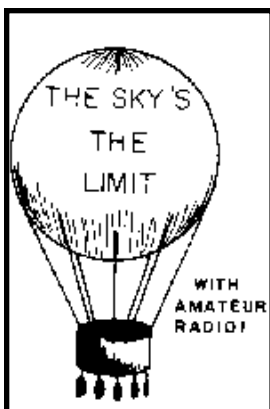
<https://www.weather.gov/phi/Info>

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



*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 ?**

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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