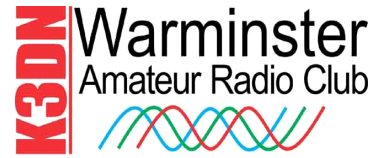




FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

April 2022

Next Meeting April 7th - George Miller (W3GWM) from the ARRL

PRESIDENT'S MESSAGE

Hello everyone, I'm glad to say that Spring is finally here, but you wouldn't know it by the weather we've been having – seems like Winter is over-staying its welcome! Hopefully that sorts itself out as April gathers momentum; it will be nice to string together a few days of sunshine and warmer weather.

The next few months are very active for the club, as we have elections for the Board coming up, our Hamfest is back on the calendar, we will be preparing for Field Day (hopefully as a full club once again), and the Board will be presenting the proposed budget for the coming fiscal year. As you can see, there's quite a bit of work to be done and membership participation is essential for a solid outcome to all of these happenings.

Speaking of the Hamfest, we are back at Bucks County Community College-Lower Bucks campus in Bristol, PA on Sunday, May 1, and will be hosting the ARRL EPA Section Convention as we had prior to postponing the proceedings for the past two years. We will need every member of the Club to take part in order for it to be a success: from working the gate, to helping with parking and outdoor vendors, manning the club table, or assisting with set-up and tear down, any amount of time that you can dedicate to our effort that weekend will be much appreciated, and greatly needed. I will be posting on the WARCTalk group, as well as reaching out in other ways to all of you very soon, so be on the lookout for my inquiries!

Our hybrid General Membership meetings are picking up more and more in-person attendees every month, despite the few technical hiccups that we are still working to resolve. This month we will be back at it again, and hope to pick up a few new, yet familiar, faces along the way.

I don't have much more to add this month, so I will close by wishing all of you well and I look forward to seeing each of you again face-to-face as soon as we can!

Tony W3FLH
73

Warminster ARC General Meeting Minutes - March 3rd, 2022

Call to Order, 7:50pm

Introductions:

(Hybrid meeting- 18 on Zoom, 17 in-person)

Minutes from last Meeting:

Motion made and seconded to approve as submitted.

Committee Reports:

Treasurer's Report: Herb(KB3VMN)
As given

Programs: Ray(KA3TRU)

April- ARRL EPA Section Manager George Miller(W3GWM)

May- Elections and Hamfest Prep

Future Topics- SkyWarn

Plans to send out a survey to members for future meeting ideas.

(Continued from page 1)

Membership: David(KC3RAT)

135 members. 25 remain unpaid. An email will be sent to ask those 25 members to pay their dues.

Public Service: George(N3HBT)

Warminster Memorial Day Parade, 12 operators needed. Golf outing at Five Ponds Golf Course in June.

License Classes:

** Possible new instructors- Dan Clementi(K3GMQ) & Dave McGowan(KC3RAT) have volunteered to work with George(KA3WXV) and possibly take over license instruction. (They are working independently to form a plan of action.)*

** Suggestions made to generate interest in the club classes from the community and programs at local schools.*

VEC Testing: Larry(WA3ELQ)

February session had three successful candidates. One new; Tech, General and an upgrade to Extra. Next session: March 28.

Repeater: Brian(N3EXA)

New amplifier tested and ready to be installed when needed.

Good and Welfare: Ken(K9KJL)

No requests this month for cards.

Other Committees:

Radiosport: Irwin(KD3TB)

DX sideband contest March 5-6. Slow speed CW contest Friday March 4th and Saturday 5th.

Hamfest: Tony(W3FLH)

*Tables reserved, working on presentations and speakers. There will be VE testing. Will there be a QSL card checker?? **More Volunteers needed in order to make the ham fest a success!***

Field Day: Doc(W3GAD) tabled

Old Business:

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

At the February board meeting, the BoD voted to permanently close the club station. The members will be surveyed to solicit their opinion.

Elmer Program

Ongoing. Suggested; there should be an outreach program to schools, etc.

Annual Club Auction/Online [Andy (KD3RF) and Herb (KB3VMN)]

*The auction opened Feb. 15 and will close March 8. Items to be picked up at George's(N3HBT) house. **Someone is needed to take over future auctions.***

Nominating Committee:

*Convened. Nominations open as of March 1. Ballots TBA at the April general meeting. Elections will be held at the May general meeting. **A candidate for VP is still needed!***

Clean-up crew of WARC storage at BWSAC (Mike WJ3O):

Initial evaluation has begun. The crew will be meeting Sunday March 6.

New Business:

None

Motion to Adjourn, 8:25pm

Presentation: Ham Radio during and after the Pandemic by Ray(KA3TRU).

(Continued on page 3)

FOR SALE

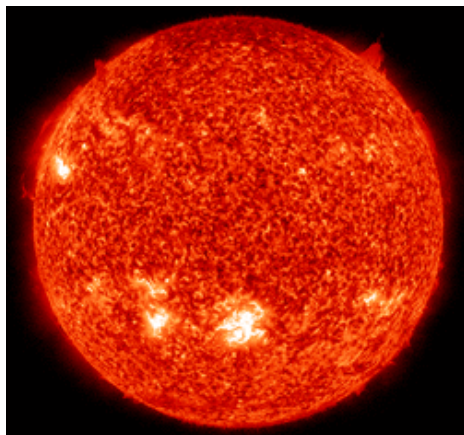
Drake TR-4C, RV-4C, AC-4 with Harbach modes by WB4HFN, Drake desk mic 7075, original Drake manual for TR-4C, a few spare Drake parts. All in excellent electrical and physical condition. New matched finals replaced a few years ago. No issues. Great back up set-up or set up for new ham.

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)

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports:

Many solar flares and CMEs occurred over the reporting week (March 24 - 30) but with glancing blows and near misses it wasn't reflected in the geomagnetic indicators. The Planetary A index reached a high for the week of 19 on March 27. Average daily planetary A index rose by a modest amount from 6.3 to 10.

Average daily sunspot number rose from 33.4 to 80.1, while solar flux went from 99.9 to 132.7.

Predicted solar flux is forecast to be 150 on March 31 and April 1, then 145, 130, 125, 120, and 115 on April 2 - 6, 118 on April 7 - 9, then 115 and 110 on April 10 - 11, 105 on April 12 - 14, 108 on April 15, 105 on April 16 - 19, 110 on April 20 - 21, 115 on April 22, 125 on April 23 - 26, then 123, 118 and 118 on April 27 - 29, and 108 on April 30 through May 2.

On Wednesday, March 30, local news in Seattle was telling viewers that if only we had clear skies, we could see aurora tonight or tomorrow. This is likely with the predicted Planetary A index at 58 and 32 on March 31 and April 1, then 10, 12 and 10 on April 2 - 4, 8 on April 5 - 6, then 5 and quieter conditions on April 7 - 19, 10 on April 20 - 21, then 5, 15, and 10 on April 22 - 24, 5 on April 25 - 29, and 12, and 8 on April 30 and May 1.

We've been seeing more activity on 10 meters over the past week. Check it out.

Sunspot numbers for March 24 - 30, 2022, were 44, 50, 48, 97, 125, 124, and 73, with a mean of 80.1. 10.7-centimeter flux was 112, 112, 119, 130, 156, 149, and 151, with a mean of 132.7. Estimated Planetary A indices were 9, 10, 7, 18, 10, 8, and 8, with a mean of 10. Middle latitude A index was 6, 3, 6, 11, 4, 7, and 6, with a mean of 8.1

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean...", and [check out](#) the Propagation Page of Carl Luetzelschwab, K9LA.

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

[Share](#) your reports and observations.

Courtesy of the ARRL Newsletter

(Continued on page 4)

(Continued from page 3)

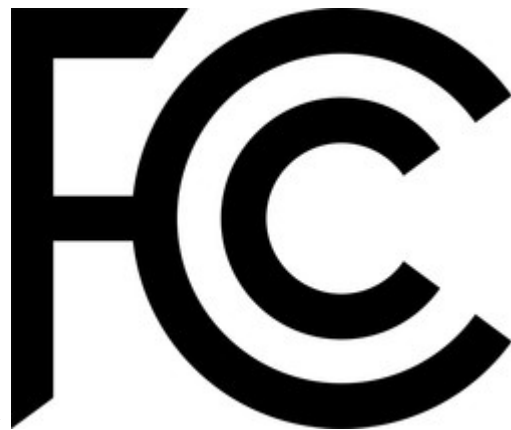
New Amateur Radio License Applications Fee To Become Effective April 19, 2022

A Public Notice released by the Federal Communications Commission (FCC) on March 23, 2022, in [MD Docket No. 20-270](#), announced that new application fees for Wireless Telecommunications Bureau applications will become effective on April 19, 2022. The new fees, mandated by Congress, apply to applications for Amateur Radio licenses including those associated with filing Form 605, the Amateur Operator/Primary Station Licensee Application.

Effective April 19, 2022, a \$35 fee will apply to applications for a new Amateur Radio license, modification (upgrade and sequential call sign change), renewal, and vanity call signs.

Anticipating the implementation of the fee in 2022, the ARRL Board of Directors, at its July 2021 meeting, approved the "ARRL [Youth Licensing Grant Program](#)." Under the program, ARRL will cover a one-time \$35 application fee for license candidates younger than 18 years old for tests administered under the auspices of the ARRL Volunteer Examiner Coordinator (ARRL VEC). Qualified candidates also would pay a reduced exam session fee of \$5 to the ARRL VEC. ARRL is finalizing details for administering the program.

ARRL had filed comments in opposition to imposing a fee on Amateur Radio license applications. The FCC initially proposed a higher, \$50 fee. In a Report and Order (R&O), released on December 29, 2020, the amount was reduced -- the FCC agreeing with ARRL and other commenters that its proposed \$50 fee for certain amateur radio applications was "too high to account for the minimal staff involvement in these applications."



ARRL Volunteer Examiner Coordinator (ARRL VEC) Manager Maria Somma, AB1FM, explained that all fees are per application. "There will be no fee for administrative updates, such as a change of mailing or email address. The fees will be the responsibility of the applicant regardless of filing method and must be paid within 10 calendar days of FCC's receipt of the application. For applications filed by a VEC, the period does not begin until the application is received by the Commission, a ULS file number assigned, and an email sent by the FCC directly to the applicant."

VECs and Volunteer Examiner (VE) teams will not collect the \$35 fee at license exam sessions. New and upgrade candidates at an exam session will continue to pay the \$15 exam session fee to the ARRL VE team as usual, and pay the new, \$35 application fee directly to the FCC by using the CORES FRN Registration system ([CORES - Login](#)).

When the FCC receives the examination information from the VEC, it will email a link with payment instructions to each successful candidate who then will have 10 calendar days from the date of the email to pay. After the fee is paid and the FCC has processed an application, examinees will receive a second email from the FCC with a link to their official license or explanation of other action. The link will be good for 30 days.

Somma also explained that applications that are processed and dismissed will not be entitled to a refund. This includes vanity call sign requests where the applicant does not receive the requested call sign. "The FCC staff has suggested that applicants for vanity call signs should first ensure the

call signs requested are available and eligible for their operator class and area, and then request as many call signs as the form allows to maximize their chances of receiving a call sign."

Further information and instructions about the FCC Application Fee are available from the ARRL VEC at www.arrl.org/fcc-application-fee. Details for the ARRL Youth Licensing Grant Program will be similarly posted there, when available.

New FCC Application Fee Will Not Apply to Amateur Radio License Upgrades

The Federal Communications Commission (FCC) staff has clarified in response to an ARRL request that the new \$35 application fee will not apply to most license modifications, including those to upgrade an amateur radio licensee's operator class and changes to club station trustees. The FCC staff explained that the new fees will apply only to applications for a new license, renewal, rule waiver, or

(Continued on page 5)

a new vanity call sign. As previously announced, the new fees take effect on April 19, 2022.

"We are pleased that the FCC will not charge licensees the FCC application fee for license upgrade applications," said ARRL Volunteer Examiner Coordinator (VEC) Manager Maria Somma, AB1FM. "While applicants for a new license will need to pay the \$35 FCC application fee, there will be no FCC charge for future upgrades and administrative updates, such as a change of mailing or email address. Most current licensees, therefore, will not be charged the new FCC application fee until they renew their license or apply for a new vanity call sign."

ARRL previously [reported](#) that the new \$35 application fee for amateur radio licenses will become effective on April 19, 2022. Further information and instructions about the FCC Application Fee are available from the ARRL VEC at www.arrl.org/fcc-application-fee.

Courtesy of the ARRL Newsletter

AMSAT Receives a Grant From ARDC

AMSAT has received a generous grant from Amateur Radio Digital Communications (ARDC) for the development of a 3U spaceframe with deployable solar panels. This standardized 3U CubeSat spaceframe will serve as the mechanical platform for AMSAT's Greater Orbit, Larger Footprint (GOLF) series of satellites, as well as for a new generation of low-Earth orbit (LEO) FM satellites.

Central to the development of the 3U spaceframe, AMSAT will build three flight-ready spaceframes for an upcoming series of satellites with potentially enhanced flight control, payload, and communication capabilities.

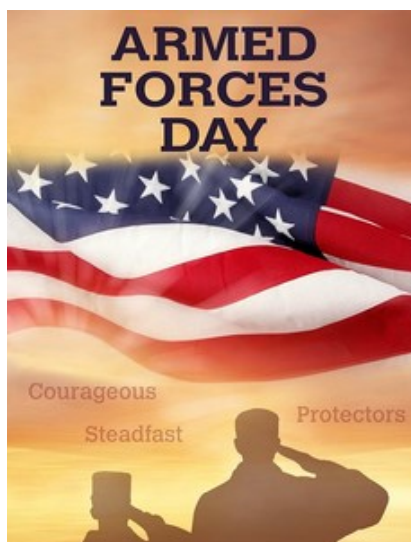
The need for a 3U spaceframe with deployable solar panels goes back to the original design requirements for the GOLF satellites that would return AMSAT to highly elliptical orbits (HEO). The benefit of this program will provide satellites with wider coverage and longer access times to the entire amateur radio satellite community worldwide. -- Thanks to Frank Kar-nauskas, NIUW, AMSAT VP of Development

Courtesy of the ARRL Newsletter



Annual Armed Forces Day Cross-Band Exercise Set for May 14

The 2022 running of the Armed Forces Day (AFD) Cross-Band exercise will be held on May 14, 1300 - 2200 UTC. A complete list of participating stations, modes, frequencies, times, and other details [will be announced](#) on April 1. The event is open to all radio amateurs. Armed Forces Day is May 21, but the AFD Cross-band Military-Amateur Radio event traditionally takes place 1 week earlier in order to avoid conflicting with Dayton Hamvention®. During the exercise, radio amateurs listen for stations on military operating frequencies and transmit on frequencies in adjacent amateur bands.



Military and amateur stations have taken part in this event for more than 50 years. It's an exercise scenario, designed to include ham radio and government radio operators alike.

Per previous announcements: "The AFD Cross-band Test is a unique opportunity to test two-way communications between military communicators and radio stations in the Amateur Radio Service, as authorized in 47 CFR 97.111. These tests provide opportunities and challenges for radio operators to demonstrate individual technical skills in a tightly controlled exercise scenario that does not impact any public or private communications."

Military stations in various locations will transmit on selected military frequencies and announce the specific ham band frequencies they are monitoring.

An AFD message will be transmitted utilizing the Military Standard (MIL-STD) serial PSK waveform (M110) followed by MIL-STD Wide Shift FSK (850 Hz RTTY), as described in MIL-STD 188-110A/B. The AFD message will also be sent in CW and RTTY.

Full details will be released on April 1.

Courtesy of the ARRL Newsletter

Study: Rapid Development of Satellite Mega-Constellations Risks Tragedies of the Commons

A study reported in [Nature](#), "Satellite mega-constellations create risks in Low Earth Orbit, the atmosphere and on Earth," in *Scientific Reports* (May 2021) by Aaron C. Boley and Michael Byers, says the rapid development of mega-constellations risks multiple tragedies of the commons. That could include tragedies to ground-based astronomy, Earth orbit, and Earth's upper atmosphere. The study asserts that international cooperation is urgently needed, along with a regulatory system that takes into account the effects of tens of thousands of satellites.

"[T]he connections between the Earth and space environments are inadequately taken into account by the adoption of a consumer electronic model applied to space assets," the authors said. "For example, we point out that satellite re-entries from the Starlink mega-constellation alone could deposit more aluminum into Earth's upper atmosphere than what is done through meteoroids; they could thus become the dominant source of high-altitude alumina."



The authors say their study shows that untracked debris will lead to potentially dangerous on-orbit collisions on a regular basis due to the large number of satellites within mega-constellation orbital shells. The total cross-section of satellites in these constellations also greatly increases the risk of impacts due to meteoroids. De facto orbit occupation by single actors, inadequate regulatory frameworks, and the possibility of free-riding exacerbate these risks.

According to Boley and Byers, in 2 years, the number of active and defunct satellites in low-Earth orbit (LEO) has increased by over 50%. "SpaceX alone is on track to add 11,000 more as it builds its Starlink mega-constellation and has already filed for permission for another 30,000 satellites with the [FCC]."

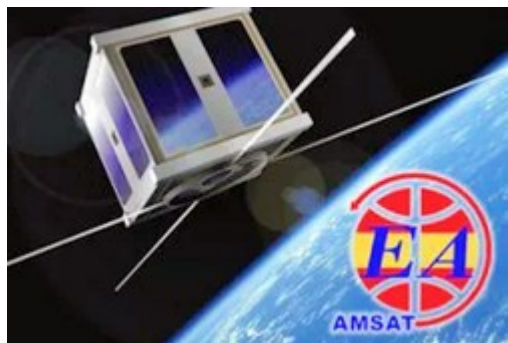
More than 12,000 trackable debris pieces are already in low-Earth orbit, typically 10 centimeters in diameter or larger, the study asserts. Including sizes down to 1 centimeter would raise the debris count to about a million inferred debris pieces that could threaten satellites, spacecraft, and astronauts due to their orbits crisscrossing at high relative speeds.

Simulations of the long-term evolution of debris suggest that LEO is already in the protracted initial stages of a mushrooming collision scenario, but that this could be managed through active debris removal. The addition of satellite mega-constellations and the general proliferation of low-cost satellites in LEO stresses the environment further, the study posits.

Courtesy of the ARRL Newsletter

Chess-Playing Ham Radio Satellite to Launch in Fall

Spain's IARU member-society [URE](#) reports that intensive work is under way to make URESAT-1 available before the end of the year. If all goes according to plan, URESAT-1 will launch aboard a SpaceX Falcon-9 rocket from Cape Canaveral in October 2022.



URE says URESAT-1 is based on the architecture used in the AMSAT-EA GENE-SIS, EASAT-2, and HADES missions but with significant improvements, such as a 32-bit computer, and enhancements in the deployment mechanism, antennas, and batteries. URESAT-1 will carry a VHF/UHF FM ham radio repeater as well as digipeating capability of AX.25 and APRS. URE says the payload is not yet defined but could be the same slow-scan television (SSTV) camera that flies in HADES, a thruster, or some kind of experiment. One confirmed project is a chess game that will allow radio amateurs to play against the onboard computer via FSK telemetry.

Several radio amateurs are working on the project, and if it is completed by the time the satellite is due to be delivered, it will be included. URE has created a [blog](#) in Spanish, where the status of the project is being reported.

Courtesy of the ARRL Newsletter

2022 Contest Calendar

April

10 [Rookie Roundup – Phone](#)

1800 to 2359 UTC

May

CQ WW WPX Contest, CW

0000Z, May 28 to 2359Z, May 29

June

11-13 [June VHF](#)

1800 UTC Saturday, ends 0259 UTC Monday

25-26 [Field Day](#)

1800 UTC Saturday and running through 2059 UTC Sunday

QSO Parties

Nebraska	1300Z, Apr 9 to 0100Z, Apr 10 and 1300Z-2200Z, Apr 10
New Mexico	1400Z, Apr 9 to 0200Z, Apr 10
North Dakota	1800Z, Apr 9 to 1800Z, Apr 10
Georgia	1800Z, Apr 9 to 0359Z, Apr 10 and 1400Z-2359Z, Apr 10
Michigan	1600Z, Apr 16 to 0400Z, Apr 17
Florida	1600Z, Apr 30 to 0159Z, May 1 and 1200Z-2159Z, May 1

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 2022 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 ➤ 2022

April 23 - [Delmarva Amateur Radio & Electronics Expo](#)

Cheer Community Center
20520 Sand Hill Rd.
Georgetown, DE 19947
<http://www.radioelectronicsexpo.com>

April 24 - [Maryland Mobileers Spring Hamfest](#)

Odenton Volunteer Fire Company
1425 Annapolis Road
Odenton, MD 21113
<https://sites.google.com/view/marylandmobileers/hamfest?authuser=0>

April 30 - [York Hamfest](#)

Elicker's Grove Park
511 Roth Church Rd
Spring Grove, PA 17362
<http://yorkhamfest.org>

May 1 - [Warminster ARC Hamfest, ARRL Eastern Pennsylvania Section Convention](#)

Bucks County Community College-Lower Bucks Campus
1304 Veteran Hwy (Rte.413)
Bristol, PA 19007
<http://www.k3dn.org/hamfest/>

CLUB INFO

PUBLIC SERVICE

Warminster Memorial Day Parade, 12 operators needed.

Golf outing at Five Ponds Golf Course in June.

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.

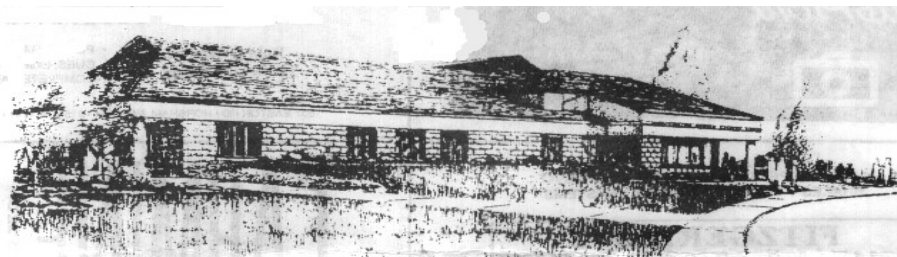
If you want to have your picture taken to be placed on the 'Members' Photos' section of the www.k3dn.org website, please contact Membership with your interest. When we get enough people who are interested we will post a notice in Feedback and have a camera ready at the following club meeting.

PROGRAMS 2022

April- George Miller (W3GWM) from the ARRL

May- Elections and Hamfest Prep

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:

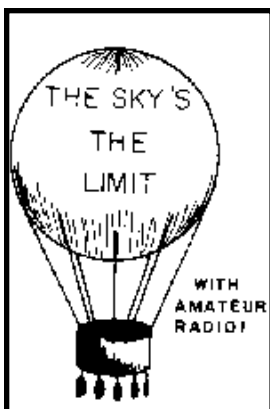
<https://www.weather.gov/phi/Info>

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: \$25.00
Student: \$ 7.50
Alumni: \$12.50

- **Are your dues current ?**

2022 Officers

Executive Officers

President	Tony Cuttone	W3FLH	267-679-9297
Vice-President	Ray Oechslin	KA3TRU	267-269-3198
Secretary	Dan Myers	K3NXX	215-957-2343
Treasurer	Herb Hickmott	KB3VMN	267-718-3601
Director (A)	Doug Becker	KC3MNQ	
Director (E)	Larry Abbott	WA3ELQ	215-704-3282
Director (A)	Bruce Farrington	WA3ZPC	
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			
Digital and APRS	Ron Wenig	NY3J	215-638-9257
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 22	Doc Whitticar	W3GAD	215-968-6397
Hamfest 22	Michael Shanblatt	W3MAS	267-491-5773
Hamfest 22	Tony Cuttone	W3FLH	267-679-9297
Hamwear	Kathy Acker	KC3FBY	215-815-7978
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	David McGowan	KC3RAT	
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



Prudential
Bank

Prudential Bank
is proud to be a
Corporate Sponsor of the
Warminster Amateur Radio Club.



Prudential's Executive office is located at
3993 Huntingdon Pike, Suite 300,
Huntingdon Valley PA 19006.

Notice of Non-Affiliation and Disclaimer: Prudential Bank is not affiliated, associated, authorized or endorsed by or in any way officially connected with The Prudential Insurance Company of America or any of its subsidiaries or affiliates.



Member
FDIC