



# FEEDBACK



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

Warminster Amateur Radio Club

November 2020

**Next Meeting November 5th via ZOOM - ARRL Night, W3GWM(EPA SM)**

## President's Message

Hello everyone, I hope this month's Feedback finds all in good spirits and health. Autumn is officially in the air, and by the time you read this we'll be back on Standard Time with shorter days and earlier nights – a good time to head inside and get on the air!

We appear to be heading out of a long, low Solar Cycle 24 and are finally seeing signs of the arrival of Cycle 25, with the higher bands (15m/21MHz and up) giving us a few extended openings for DX. There are some conflicting predictions for the upcoming sunspot cycle, but I'm choosing to favor the one that offers unexpectedly good propagation and high activity – hey, a guy can hope, can't he?

For those of us into Radiosport, autumn means "Contest Season", and contest season means it's now the REAL time to get working on those antennas and support systems. After all, we all know you can't actually work on antennas unless the temps are low enough to freeze your fingers to the aluminum, or the rain is so fierce that your boots collect water like buckets, right?

On the Club front, things have been pretty stable this month. We are continuing our negotiations with the BWSAC to renew our contract, keeping us anchored at the Center for the next several years. We're also keeping an ear open for any news from the host location for our annual Hamfest (Bucks County Community College) for any changes in their current restrictions on outside activity. As time passes, we may find ourselves in a position to begin looking for an alternative location for our Hamfest, with some difficult decisions to make regarding which services and activities we'll be able to offer our attendees. As usual, we will keep everyone updated as more info becomes available and will undoubtedly turn to you for your input if a change is necessary.

Well, that's going to wrap it up for this month. Hope to see you all at the ZOOM meeting on Thursday (11/5), where we will be hosting our annual ARRL Night, with special guest George W3GWM (EPA Section Manager). See you all then!

Tony W3FLH  
73

## **MINUTES FOR THE OCTOBER 1ST GENERAL MEETING**

### **Attendance:**

Call to Order at 7:27pm so that we have enough time for Tim K3LR

### **Minutes from last Meeting**

Additions/Corrections - Motion made to approve as amended and approved minutes as printed in Feedback  
Section regarding the increase in FCC fees should say fees in general

### **Committee Reports**

#### **Treasurer's Report:** *Herb KB3VMN*

As reported at the meeting

#### **Programs:** *Tony N3YNH*

November – ARRL Night w/George Miller W3GWM (EPA SM) via Zoom

December – TBA

January – (?)

February – Club Auction

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**Membership:** *Kathy KC3FBY*

Excited to let everyone know that we are still growing considering the circumstances. We have 113 active members  
Welcome new members:

John Brosnan KC3PSW

TomK3PLA and Arlene KA3PLA Newman

**Public Service:** *George N3HBT*

One public service event on Columbus Day, October 12 at the Warminster Twp. 5 Ponds golf outing. George needs one more operator. Please let George know if you are interested in helping. All activities are outside including hot buffet after golf.

**Classes:** *George KA3WXY*

Next classes: TBD

**VEC Testing:** *Larry WA3ELQ*

Successful first night back since February on Monday, September 28. 6 candidates and all were successful. 4 new Techs, 1 General passing both tech and general and 1 administrative upgrade from Tech to General

Next session: Oct. 26. We are using the main hall at the BWSC due to the COVID regulations and currently have a limit of 25 people total in the main hall.

**Repeater:** *Brian N3EXA*

Everything is working properly. Brian set up a new amp in his garage and as soon as he can get it to the repeater, he will install it there.

**Good and Welfare:** *Ken K9KJL*

Nothing requested or sent out this past month. Please send any requests to either Ken or Tony

**Other Committees**

**Radiosport:** *Irwin KD3TB – we are in contesting season.*

RTTY contest this past weekend

State QSO's over the next 2 weeks - CA, AZ, PA, NY

24<sup>th</sup> CQ WW Sideband contest

ARRL sweepstakes in November

This weekend is the outdoor "Radio Days". Penn Wireless and Quarter Century Wireless Associations will be at Core Creek Pavilion #9 from 9am to 3pm.

Weekly CW contest on Sunday nights on 80, 40 and 20 meters. It is at slow speed from a station out of the New England state

**Hamfest:** *Tony W3FLH*

College is not allowing any outside activity at this point on any campus. Evaluating other options if we cannot have or HamFest at the college. Tables are the first drop dead date that we would need to worry about.

**Field Day:** *\*Doc W3GAD\**

We need a Field Day chair. If someone is interested Doc is willing to work with you.

**Old Business**

Elmer Program – Online/Zoom? – exploring an online Zoom scenario that will work for everyone.

Club Station: Interest/Activity? (Marty NR3Z & Andy KD3RF) – nothing to report yet

FCC Proposed fee increases for Amateur Radio – we need to put a committee together for this to formulate a comment as a club

OHOTY Award – Nominations – looking for nominations. We are still awarding it this year even though we are not having a Holiday dinner. Please send nominations to Tony or anyone on the board.

Online Auction - Recap (Andy KD3RF) – 15 bidders and over \$1,200 in proceeds to the club

Contract renewal w/BWSAC (Kathy KC3FBY) – working with BWSC on a 2-year contract with 2-year renewal option at the current rental rate. Once contract is finalized and approved by the board, it will be brought to the membership for approval.

**New Business**

New Facebook Group – WARC/Warminster ARC (K3DN) – place to post HAM related items and discussions.

Meetings: In-person vs. Zoom – We will need to continue to meet via Zoom until the number of attendees can be at 50 or above according to state guidelines. The next few presentations that we have set up have been set to do via Zoom, so we are good for now.

**• Motion to Adjourn at 8:10pm**

**Presentation:** *DX Engineering/Tim K3LR – Antenna Building*

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[Ed. Note: Joe Horanzy's (AA3JH) father passed away recently. His Dad was not a ham, and normally we wouldn't publish an article such as this, however he was not only a WWII vet, but a Pearl Harbor survivor who spoke to many schools and organizations during his lifetime. This article appeared in the Philadelphia Inquirer.]

## **Alexander R. Horanzy, World War II vet who survived the attack on Pearl Harbor, dies at 98**

Alexander R. Horanzy, 98, of Northeast Philadelphia, a World War II Army veteran and Pearl Harbor survivor, died Thursday, Oct. 1, of heart failure at Holy Redeemer Hospital, Meadowbrook.

Mr. Horanzy was present on the morning of Dec. 7, 1941, when the Japanese attacked American forces at Pearl Harbor on Oahu, Hawaii.

Stationed with the 24th Infantry Division at Schofield Barracks, he had gone to bed late when the sound of incoming planes and machine guns jolted him awake at 7:50 a.m., according to a 2015 account of that day on a [website devoted to the history of Pearl Harbor](#).

"There was no mistaking it," the account read. "Japanese planes were flying so low their red circle insignia and even the heads of the pilots could be seen from the ground."

Because of rumors that the Japanese were going to land troops on the island's north shore, Mr. Horanzy and his comrades were ordered to load trucks with ammunition from storage that could be used to defend the area, the account said.

But when they heard the Japanese Zeros directly overhead, they stopped and sought cover.

"To this day, I wonder why they never fired upon us or bombed the warehouse that was full of explosives," Mr. Horanzy noted in his submission to the [Pearl Harbor Survivors website](#). "They could have fired upon us while we were running for cover in the middle of the open field; maybe they were saving their attack for the grand prize, Pearl Harbor, in which they succeeded."

In a 2014 interview with Shaun Illingworth, the Rutgers University Oral History Archives director, Mr. Horanzy said: "When the day was over, five Japanese fighters had been brought down by the 24th Division's small arms fire. The fledgling division was the first Army unit to feel the fury of Imperial Japan and the first to fight back."

En route to deliver supplies, Mr. Horanzy discovered a Japanese flag under the seat of a downed enemy plane and saved it as a souvenir. It would figure later in the public lectures he gave.

In 1943, Mr. Horanzy was trained in jungle fighting. He fought in New Guinea, where mosquitoes and black flies abounded. He contracted malaria and was honorably discharged on July 13, 1945, with the rank of private.

He was given the American Defense Service Medal with one Bronze Star and the Asiatic Pacific Service Medal with two Bronze Stars. In addition, he received the Bronze Star Medal for meritorious achievement.

After returning home, he helped found the Philadelphia Liberty Bell Chapter of the Pearl Harbor Survivors Association and was the chapter's last surviving member, his family said. He outlived the association, which dissolved in 2011, according to [pearlharbor.org](#).

He was in great demand as a speaker.

"He was so outgoing and wonderful, especially when I took him to events," said his friend and neighbor Elsie Stevens. "He would go to schools and talk to the children. He had a Japanese flag from a downed plane. The eyes of the kids would get big because he was showing them what happened that day."

Born in Janow in eastern Poland, while his family was on vacation, Mr. Horanzy grew up with six siblings in Manayunk. He attended public school and was a golf caddie to help his family during the Great Depression.

He worked as a quality assurance specialist for the Department of Defense at the Frankford Arsenal before retiring in 1977.

He married Katherine S. Long. They settled in Holmes Circle to raise three children.

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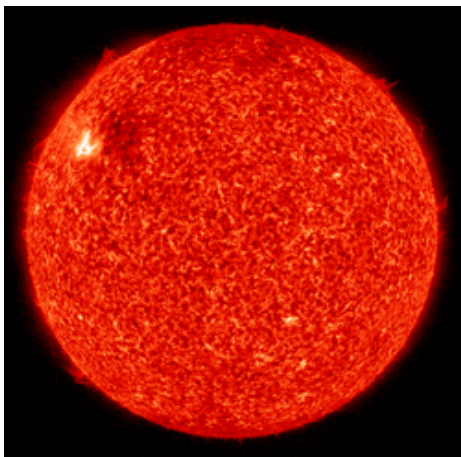
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Mr. Horanzy enjoyed his family and playing craps at the casinos in Atlantic City. His wife died in 2011. He is survived by children Sandra Mattia, Nancy Ray, and Joseph Horanzy; seven grandchildren; and eight great-grandchildren.

Memorial contributions may be made to <http://www.pearlharborphilly.org>, or checks made payable to Dec. 7, 1941 Pearl Harbor Remembrance Association, and sent to Dale Jones, Treasurer, 81 Lower Holland Rd., Holland, Pa. 18966.

### The K7RA Solar Update



Tad Cook, K7RA, Seattle, reports: Our sun is finally waking up. The average daily sunspot number rose from 15 to 17, which is nothing remarkable, but the reporting week ended on Wednesday with a daily sunspot number of 36. Average daily solar flux rose from 74.5 to 76.9.

Predicted solar flux is 88 on October 29 - 31, which *is* remarkable; 82, 78, 75, and 72 on November 1 - 4; 74 on November 5 - 7; 75 on November 8 - 12; 72 on November 13; 70 on November 14 - 21; 74 and 72 on November 22 - 23; 70 on November 24 - 26; 72 on November 27; 74 on November 28 - December 4; 75 on December 5 - 9; 72 on December 10, and 70 on December 11 - 12.

Predicted planetary A index is 8 on October 29; 5 on October 30 - 31; 12 and 8 on November 1 - 2; 5 on November 3 - 6; 10 on November 7; 5 on November 8 - 16; 10, 8, and 12 on November 17 - 19; 18, 15, and 20 on November 20 - 22; 15, 10 and 8 on November 23 - 25; 5 on November 26 - 27; 8 on November 28; and 5 on November 29 - December 12.

Sunspot numbers for October 22 - 28 were 11, 11, 11, 11, 17, 22, and 36, with a mean of 17. The 10.7-centimeter flux was 74.9, 72, 72.1, 74.2, 75, 82.4, and 87.6, with a mean of 76.9. Estimated planetary A indices were 6, 12, 17, 15, 15, 9, and 12, with a mean of 12.3. Middle latitude A index was 3, 10, 16, 9, 15, 7, and 9, with a mean of 9.9.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean...," and [check out](#) K9LA's Propagation Page. A propagation bulletin [archive](#) is available. For customizable propagation charts, visit the [VOACAP Online for Ham Radio](#) website.

[Share](#) your reports and observations.

*Courtesy of the ARRL Newsletter*

### WSJT-X Developer Expresses Puzzlement over FT8 Contest Use

WSJT-X co-developer Joe Taylor, K1JT, recently expressed puzzlement over the use of FT8 in contests -- rather than FT4, which was designed for contesting.



"I fail to understand why anyone who uses FT8 in a contest would fail to use FT4 for much of the time," Taylor said. "FT4 is about 3 dB less sensitive than FT8, but it's twice as fast."

Taylor offered the comment in the Mt. Airy VHF Society's [October 2020 Cheese Bits](#), regarding the September ARRL VHF Contest. Taylor said a large fraction of stations that are worked with FT8 are much more than 3 dB above the FT4 decoding threshold.

"With FT4, you can still work anyone that can be worked with CW, and near the CW threshold, you'll do it faster using FT4," he said. "And with FT4, you can work stations that are far weaker (by ~20 dB) than what's necessary for SSB. When I did work other stations with FT4, I did it by transmitting the FT8 message 'K1JT FT4 318.'" Taylor said he'd then move to 50.318 MHz FT4, and several contesters fol-

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lowed him there. "Many more would have made it much more fruitful," he said.

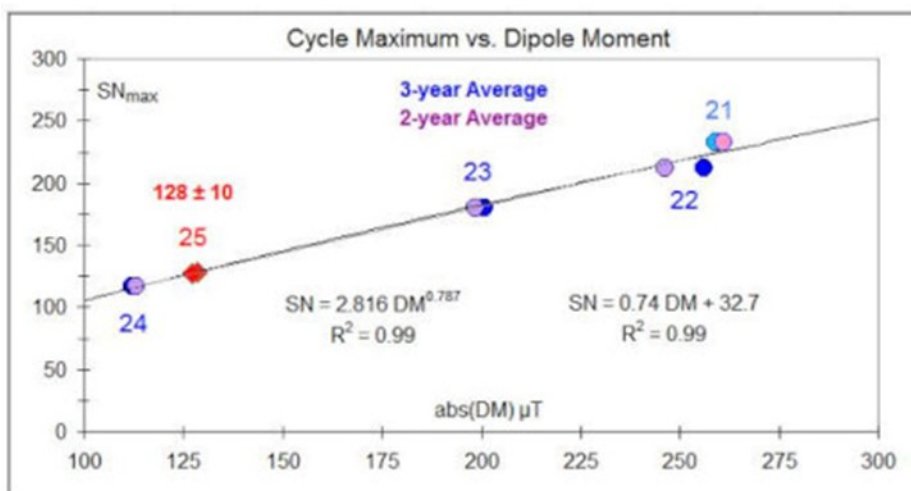
"For speed, flexibility, and ease of running the bands, yes, you should use SSB and CW when there are stations to work," Taylor said in summary. "When you run out of those, use FT8 and *especially* FT4."

Taylor also remarked, "In my 80th year, I can no longer call on my past stamina for contesting."

*Courtesy of the ARRL Newsletter*

### Solar Physicist Predicts a Slightly Better Solar Cycle 25

Solar physicist Leif Svalgaard of the W.W. Hansen Experimental Physics Laboratory at Stanford University [has predicted](#) a maximum sunspot number of  $128 \pm 10$ , slightly better than Solar Cycle 24.



**Graph from Svalgaard's paper: Smoothed monthly maximum sunspot numbers for Solar Cycles 21 - 24 averaged over 3 years before solar minimum (blue symbols) and over 2 years (violet symbols). The prediction for Cycle 25 is shown with red diamonds.**

"The overall average is  $132 \pm 47$  (median 124)," he said. "None of these numbers are substantially different, so one could perhaps just go

with the 'wisdom of the crowd.' All predictions that we consider have the underlying assumption that the sun has not changed its behavior (its 'spots,' so to speak) on a time-scale of a few centuries (the Maunder Minimum may be a possible violation of that assumption), and that there will be no such changes in the near future, in spite of speculative suggestions." Those included one of his own in 2013.

Svalgaard characterized the science of solar cycle prediction to be still in its infancy, "borne out by the extreme range of predictions of Cycle 25." -- *Thanks to Frank Donovan, W3LPL*

### ARISS to Celebrate 20 Years of Ham Radio on the International Space Station

Amateur Radio on the International Space Station ([ARISS](#)) will soon celebrate 20 years of continuous ham radio operations on the International Space Station (ISS). NASA is commemorating the milestone with a newly produced [info-graphic](#) highlighting the educational contacts via amateur radio between astronaut crew members aboard the ISS and students. Over its 20 years, ARISS has supported nearly 1,400 scheduled ham radio contacts with schools, student groups, and other organizations.

Planning for ARISS began in 1996 as a cooperative venture among national amateur radio and amateur satellite societies, with support from their respective space agencies. The ARISS ham radio gear actually arrived on the station before the Expedition 1 crew, headed by Commander Bill Shepherd, ex-KD5GSL. The FCC issued ham radio call sign NA1SS for ISS operations. After Expedition 1 arrived on station, some initial tests with ARISS ham radio ground stations and individual hams confirmed the ham gear was working properly. The first ARISS school contact was made with students at Luther Burbank Elementary School in Illinois on December 21, 2000, with Shepherd at the helm of NA1SS on the ISS.

NASA produced a [video](#) of students talking with astronaut Chris Cassidy, KF5KDR, during an ARISS contact in May 2020.

Before and during scheduled ham radio contacts, students, educators, parents,



**Jordan was among the participating students at Celia Hays Elementary School in Rockwall, Texas, late last February, who were excited to have their ARISS contact with Astronaut Drew Morgan. More than 190 students sat on the gym floor while another 680 on campus listened via the school's inter-communication system.**



and communities learn about space and related technologies, and radio communication using amateur radio.

ARISS relies on a large network of amateur radio operator volunteers, many associated with radio clubs in the communities where students and groups participating in the contact reside. ARISS volunteers support satellite ground stations, serve as technical mentors, and provide additional help in the areas of education, community outreach, and public relations.



**Students at Kittredge Magnet School near Atlanta, Georgia, took part in an ARISS contact with Astronaut Drew Morgan, KI5AAA. Morgan answered 15 student questions. The students have their own radio club, Kittredge Magnet School Amateur Radio Club, KQ4KMS.**

While student-to-astronaut radio contacts are a primary objective for ARISS, the capability has also inspired further experimentation for amateur radio in space and the evaluation of new technologies. In September, ARISS [announced](#) that the initial element of its next-generation ham radio system had been installed in the ISS *Columbus* module. The new radio system replaces equipment originally certified for spaceflight in mid-2000. The onboard ham station also provides a contingency communications system for the ISS crew. Several astronauts have also enjoyed using NAISS to make casual contacts with -- and delighting -- earthbound members of the ham radio community.

In the US, ARISS sponsors include [ARRL](#), [AMSAT](#), and NASA, the ISS National Lab-Space Station Explorers, and NASA's Space Communications and Navigation program.

The next proposal window for US schools and educational organizations to [host an amateur radio contact](#) with a crew member on board the ISS opened on October 1 for contacts that would take place from July through December 2021.

[Proposal information and more details](#), including expectations, proposal guidelines, and proposal forms, and dates and times of informational webinars, are on the ARISS website. Send questions to [ariss.us.education@gmail.com](mailto:ariss.us.education@gmail.com).

Like many educators who have coordinated ARISS radio contacts for their students, teacher Rita Wright, KC9CDL, an ARRL member, described the first ARISS school contact as inspirational and having a lasting impact on their community. Five months after their contact, nearly 500 students greeted Bill Shepherd when he visited Luther Burbank School. Wright said it was "like tossing a pebble into a stream."

"The ripple effects are still occurring, and I suspect will continue to occur for a long time," she said. "We have a young staff, and witnessing these events has inspired some to look for other interdisciplinary projects. They are beginning their dream. Many of our students are looking forward to careers associated with the space industry."

*Courtesy of the ARRL Newsletter*

### **Oldest Known US Radio Amateur, Cliff Kayhart, W4KKP, SK**

Charles Clifford "Cliff" Kayhart, W4KKP, of White Rock, South Carolina, died on October 26, a few days past his birthday. An ARRL member, he was 109 and the oldest known US radio amateur and possibly the oldest ham in the world.

Last November, Roanoke Division Director Bud Hippisley, W2RU; Vice Director Bill Morine, N2COP, and South Carolina Section Manager Marc Tarplee, N4UFP, jointly presented Kayhart with ARRL's Centurion Award, which honors centenarian members who have at least 40 years of ARRL membership. On that occasion, Hippisley [interviewed](#) Kayhart.

First licensed in 1937 as W2LFE in New Jersey, he also held W9GNQ. According to his [obituary](#), Kayhart built his first radio at the age of nine. After working for New York Telephone Company as a young man, he became enamored with engineering, so he headed off to Tri-State University in Indiana, graduating with a degree in aeronautical engineering. Afterward, he went to work for RCA in New Jersey, becoming a quality control manager. Positions followed at Philco Radio and Bendix Aviation.

During World War II, Kayhart joined the US Army Signal Corps, which sent him off to school to study radar. He was assigned to the US Army Air Corps in Georgia and then sent to Hawaii to become part of a Signal Service Battalion. He served at





**Cliff Kayhart, W4KKP, spoke with Roanoke Division Director Bud Hippisley, W2RU, last November.**

Iwo Jima, shortly after the US victory there, setting up equipment for long-range radio communication and broadcasting, with rhombic antennas in four directions.

In 1946, Kayhart left the Army with the rank of captain, joining Magnavox the following year as its first field engineer; at the time, Magnavox was about to launch a line of television sets. Eventually, he was transferred to the Customer Acceptance Department in Tennessee. Kayhart traveled to Japan in 1963 in search of Japanese television sets. He retired from Magnavox in 1976.

In the 1970s, while living in Tennessee, he spearheaded a project that installed a 2-meter FM repeater on the summit of Camp Creek Bald, still in operation on the Tennessee/North Carolina border.

After Kayhart moved into an assisted living facility in 2017, he had an HF station in his room, courtesy of the Dutch Fork Amateur Radio Group, to which he belonged, and the Columbia Amateur Radio Club. Kayhart remained active on the air until shortly before he died.

According to his obituary, Kayhart was also the oldest surviving Iwo Jima veteran and eighth oldest living US male. He was also the oldest man on the South Carolina Honor Flight trip to Washington, DC. Kayhart was profiled in the June 2018 issue of *QST*.

*Courtesy of the ARRL Newsletter*

### **ARRL Member Chuck Butzin, K0BBQ, used ham radio on September 26 to assist a motorist in need.**

Butzin came upon a vehicle that went off the roadway. Fortunately, no one was injured, but a tow truck was needed to get the vehicle back on the highway. Butzin was beyond cell phone coverage, so he used the Terry Peak repeater to make a priority call on the [SDLINK](#) repeater system for assistance. On the other end of the state, Matt Holden, K0BBC, heard the call and relayed location details via 911. Dispatcher Denny Warrick, W0DGW, used the GPS coordinates that Butzin provided to pin down the incident location and call in the closest law enforcement agency. The Pennington County Sheriff sent a patrol car and summoned a tow truck. Pennington County ARES Emergency Coordinator Bob Ewing, W0RE, monitored the repeater until law enforcement arrived, and K0BBQ cleared the scene. SDLINK is a series of 12 repeaters that connect South Dakota radio amateurs along Interstates 29 and 90. Holden advises radio amateurs to keep an ear on your local repeaters. "They may be quiet, but you never know when a call for assistance from a fellow amateur radio operator might be heard." -- *Thanks to Matt Holden, K0BBC*

*Courtesy of the ARRL Newsletter*

### **ARRL Urges Members to Join in Strongly Opposing FCC's Application Fees Proposal**



ARRL will file comments in firm opposition to an FCC proposal to impose a \$50 fee on amateur radio license and application fees. With the November 16 comment deadline fast approaching, ARRL urges members to add their voices to ARRL's by filing opposition comments of their own. The FCC *Notice of Proposed Rulemaking* ([NPRM](#)) MD Docket 20-270 appeared in the October 15 edition of *The Federal Register* and sets deadlines of November 16 to comment and November 30 to post reply comments, which are comments on comments already filed. ARRL has prepared a [Guide to Filing Comments with the FCC](#) which includes tips for preparing comments and step-by-step filing instructions. File comments on MD Docket 20-270 using the FCC's Electronic Comment Filing System ([ECFS](#)).

"We encourage all members to use the ARRL *Guide* to file comments opposing the imposition of the proposed \$50 application fee," ARRL President Rick Roderick, K5UR, said. "Let's highlight amateur radio's long history of public service."

*Courtesy of the ARRL Newsletter*

### 2020 –2021 Contest Calendar

#### November

7-9 [Nov. Sweepstakes – CW](#)

2100 UTC Saturday and runs through 0259 UTC Monday.

21-23 [Nov. Sweepstakes – Phone](#)

2100 UTC Saturday and runs through 0259 UTC Monday.

#### December

4-6 [160 Meter](#)

Starts 2200 UTC Friday, ends 1559 UTC Sunday

12-13 [10 Meter](#)

Starts 0000 UTC Saturday; runs through 2359 UTC Sunday

20 [Rookie Roundup–CW](#)

1800 to 2359 UTC

#### January

2 [ARRL Kids Day](#)

Saturday 1800 UTC - 2359UTC

2-3 [ARRL RTTY Roundup](#)

Starts 1800UTC Saturday through 2400UTC Sunday

16-18 [ARRL January VHF Contest](#)

Starts 1900UTC Saturday through 0359UTC Monday

### V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must bring two forms of positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC'S 2020 test fee is **\$15.00**.

**Warminster Amateur Radio Club,** Monthly, Last Mon. 7:00 pm at the Wilson Senior Community Center 580 Delmont Avenue Warminster, PA 18974 George Brechmann (215) 443-5656.

**Atco, NJ**, The fourth (4th) Tuesday of each month, at 7 p.m. Winslow Township Senior Center, 33 Cooper Folly Road, 08004-2603.  
Mark (K2AX) jtra@comcast.net

**Levittown, PA**, Monthly, 3rd Monday at 6:30. Falls Township Building - Ben Johns, K3JQH, 215-657-5994

**Telford, PA**, RF Hill ARC. Indian Valley Library. Held the third Monday of odd months (January, March, May, July, September, November)  
Contact: Jim Soete 215-723-7294  
[wa3ylq@arrrl.net](mailto:wa3ylq@arrrl.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@arrrl.net](mailto:w3pa@arrrl.net)  
Alt Contact: Jim, 610-287-5630

### ➤ ATLANTIC DIV. HAMFESTS ➤ 2020—2021

#### December 12

##### [SantaFest](#)

American Legion Youth Camp  
9201 Surratts Road  
Cheltenham, MD 20623  
<http://www.pgares.org/>

#### April 17

##### [DELMARVA Hamfest, ARRL Delaware State Convention](#)

Cheer Community Center  
20520 Sand Hill Road  
Georgetown, DE 19947  
[www.radioelectronicsexpo.com](http://www.radioelectronicsexpo.com)

#### June 20

##### [Father's Day Hamfest at Arcadia](#)

Arcadia Fairgrounds  
16920 Carnival Ave.  
Upperco, MD 21155  
<http://W3FT.com Facebook Baltimore Amateur Radio Club>



**CLUB INFO****PUBLIC SERVICE****CLUB STATION**

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

**WARC ALUMNI MEMBERSHIP**

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

**ATTENTION MEMBERS**

The Membership Committee can provide Club badges. Two types are available: an engraved plastic callsign and name badge for \$8 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership. Pictures for the club badge will be taken before club meetings on even numbered months. If you do not have at least a Warminster Amateur Radio Club badge with your picture on it, please contact your Membership Chairs at the WARC monthly meetings. Otherwise, please contact Membership by email at: [membership@k3dn.org](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 2020 - 2021**

November 5 ARRL Night

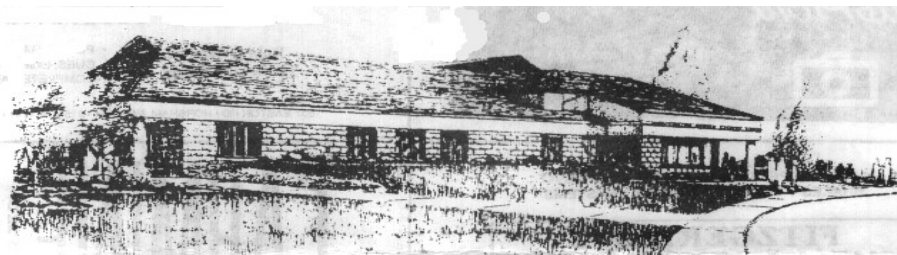
December 3 Holiday Meeting - History of Interest

January 7 Stump the Chumps Zoom style

February 4 Bonding and Grounding (K3LR tentative)

March 4 Home Brew

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:**

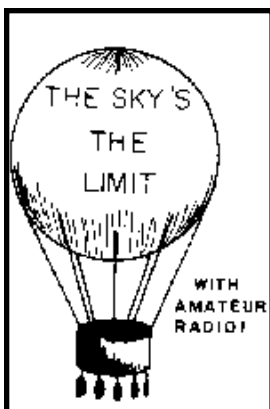
<https://www.weather.gov/phi/Info>

**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](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 ?

## 2020 Officers

### Executive Officers

President	Tony Cuttone	W3FLH	267-679-9297
Vice-President	Tony Simek	N3YNH	
Secretary	Kathy Acker	KC3FBY	215-815-7978
Treasurer	Herb Hickmott	KB3VMN	267-718-3601
Director (A)	Doug Becker	KC3MNQ	
Director (E)	Larry Abbott	WA3ELQ	215-704-3282
Director (A)	Brandon Penglase	N3UO	215-259-7255
Director (E)	George Brechmann	N3HBT	215-443-5656
Past President	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	Mary Miles	KC3KJZ	267-625-8538
Net Manager	George Brechmann	N3HBT	215-443-5656
Publicity	Bernice Kraut	KB3PCX	215-884-8195
Refreshments	Brandon Penglase	N3UO	215-259-7255
RF Interference	Andy Vavra	KD3RF	610-287-3295
RF Interference	Bill Ballantine	K3FMQ	215-766-0764
Repeater Coordinator	Brian Taylor	N3EXA	215-257-6303
Safety Officer	Mike Malone	W3MJM	215-639-2175
Station Trustee	George Brechmann	N3HBT	215-443-5656
Sunshine Club	Ken Lichtenstein	K9KJL	847-697-1188
Township Liason	George Brechmann	N3HBT	215-443-5656
VE License Testing	Larry Abbott	WA3ELQ	215-704-3282
VHF/UHF/MW	George Altemus	KA3WXV	215-855-3856
Website Coordinator	Al Konschak	WI3Z	215-491-9941
Youth Programs	Steve Larson	WW3Y	215-822-1511