



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

April 2018

Next Meeting April 5 - Stump the Chumps

President's Message

Spring is in the air, or so they tell us! With a couple of late snowstorms hitting our region, Winter hung around just as long as it could, wreaking havoc on everything in its path – including our antenna systems. I hope all of you got through the storms unscathed, however I was not so lucky this time. The center support mast for my 80m dipole folded in the first (extremely heavy) snow, leaving one leg of the antenna lying on my roof, and the mast completely parallel to the ground, 30 feet in the air. The good news from all of this is that it's finally time for me to upgrade my entire antenna system, HF & VHF, and join the ranks of the "directionals". As I've had a good portion of the infrastructure (roof mount tower, mast, rotor, control cable, coax) on hand for several years, I just need to choose the antenna and get it all installed. I plan to document the process and maybe write an article for Feedback – stay tuned...

Our Hamfest preparations are well under way, and things are shaping up to be quite an event. We have secured door prizes from the ARRL & DX Engineering, and have lined up speakers from ARRL HQ, as well as Cory Sickles WA3UVV from Yaesu, and Joe Taylor W1JT, Nobel Laureate and author of many ham radio software programs, most recently the suite of programs including FT8. With all of this planned, we anticipate an increase in attendance, and are looking forward to your participation in helping make this a memorable Hamfest. Our Chair, Michael W3MAS, will be putting the team together over the next two General meetings, so please come out and get involved; every contribution is important to our success.

Of course, as I had mentioned last month, Field Day is also fast approaching, and organization for that event will be starting to take shape soon. Due to our relationship with the Shrine of Czestochowa, we were invited to participate in their Polish heritage celebration, held over Memorial Day weekend. Jacek KC3HXF has volunteered to lead our efforts, and has secured the Special Event callsign W3P to mark the occasion. Jacek and his XYL Marzenna have close ties to the local Polish community, so his leadership is a great fit. If you are interested in participating, we will have more information at this month's meeting.

This month, we will be working on the Hamfest, and once again will be hosting "Stump the Chumps"! This is a fun, informative and entertaining night – don't miss it!!

de Tony, W3FLH
73

Minutes WARC General Meeting March 1, 2018

Attendance:

- Call to Order- George KC3ESH
- Introductions - pass mic

Minutes from last Meeting

- No additions or corrections -Approved

Committee Reports

- **Treasurer's Report:** Herb KB3VMN -As reported at meeting
- **Programs:** George KC3ESH
 - o April – Hamfest Prep; Nominations closed; Stump the Chumps
 - o May – Hamfest Prep (final); Elections; Antennas w/Joe AA3JH
 - o June – Hamfest Recap/Field Day Prep /Pizza Night
 - o July – Field Day Recap
 - o August- Contesting w/Irwin, KD3TB-Andy, KD3RF & Bill, K3FMQ
- **Membership:** Jacek KC3HXF- 151 members with 82 members paid

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- **Public Service:** George N3HBT
 - o Warminster Memorial Day Parade
 - o 5 Ponds Gold Outing June 7th, 8 to 10 operators needed
 - o Warminster Day, June 9th
 - o March for Babies, April 29th
- **Classes:** George KA3WXV/Ron WB2OOB
 - o Next classes: March 12 (Tech & General) running for 5 to 6 weeks.
- **VEC Testing:** Larry WA3ELQ
 - o Last session; February 26th, 4 candidates, 3 upgrades to General and 1 new tech.
 - o Next session: March 26
- **Repeater:** Brian N3EXA
 - o Currently working, testing new repeater to be installed at Abington Hospital
- **Good and Welfare:** Vince KD3TC
 - o Cards being sent out
- **Other Committees**
 - o Contesting-ARRL Dx SSB, March 3rd and 4th
- **Old Business**
 - o Hamfest (Michael W3MAS)

Hamfest will be held on May 6th at the lower Bucks campus of Bucks County Community College. Set-up will start at 3:00pm on the 5th. Post cards will be sent out using the information from the raffle tickets of past Hamfest and leftover ARRL address labels. Confirmed speakers include Joe Taylor, K2JT- Riley Hollingsworth, KZ4DH – Cory Sickles, WA3UVV – Tom Abernethy – W3TOM and Robert Wiseman, WB3W. Flyers are available at meetings and on the website. Dan Myers will be handling the vendor contact information. Sign up sheets at the next meeting.
 - o Club Auction – Recap (Herb KB3VMN/George KC3ESH)

Auction provided net proceeds of \$ 894.00 to the club. Thanks to all who helped make this possible.
 - o Kit Building & Fox Hunt (Bill, W3WWE)

Building session and a fox hunt will be held. Date to be announced
- **New Business**
 - o Nominating Committee (Bill K3FMQ)

Nominations are now being accepted through the April meeting where the slate will be presented to the general membership. Voting will be at the May Meeting.
 - o Facebook-Like and Share

If you are a user of Facebook, please like and share WARC posts. Just a small way of getting our information out.
 - o Winter Field Day (George, KC3ESH)

Held the last weekend of January, a show of hands showed people are interested. Plans will proceed to find a “comfortable” location for the club to operate.
 - o One day “Ham Cram” Session at TCF, March 17th at the college of New Jersey.
 - o Ockanickon Scout Station (Steve Larson, WW3Y)

A grant was received by the camp to purchase the equipment needed. Steve asked for members help in setting up the station and running it during the 8 week sections during the summer.
 - o Field Day (Doc, W3Gad)

Field day will be held on June 23rd and 24th. Irwin, KD3TB will contact the Shrine to reserve the dates. Sign-up sheets will be available soon.
- **Motion to Adjourn**
 - o Presentation: Chris Trotter w/CAP Comms

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FOR SALE

Kenwood TS-570D - 160-10 meters HF radio
270Hz filter YK-88CN-1 great for CW
Also includes mic and PS-40 power supply
\$550

Drake MN-2000 Antenna Tuner 2 KW PEP
\$350

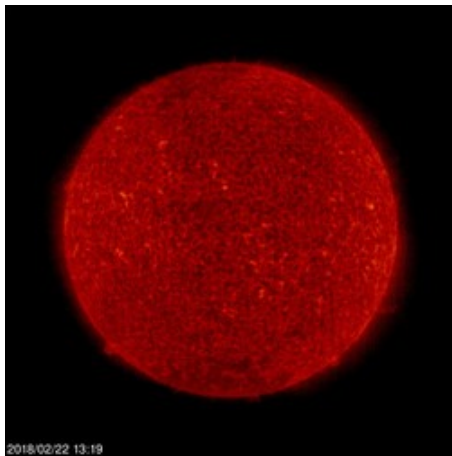
Drake R-4B \$150

Heathkit
QRP Wattmeter HM-9 \$30
Antenna Tuner HFT-9 \$30
Both for \$50

LDG QRP Auto Tuner \$40

Marty Squicciarini NR3Z
NR3Z@ARRL.Net
(201) 754-8241

The K7RA Solar Update



We saw no sunspots during this reporting week, March 22-28. The previous week had sunspots on only three days, with an average of 5.6.

Average daily solar flux receded from 69.3 to 68.2. Average daily planetary A index dropped from 14.4 to 10.6, and average mid-latitude A index declined from 11.3 to 8.9.

Predicted solar flux is 70 on March 30 to April 15, 69 on April 16, 68 on April 17-29, 69 on April 30, then 70 on May 1-12 and 69 on May 13.

Predicted planetary A index is 10 on March 30, 5 on March 31 to April 4, then 8 and 12 on April 5-6, 5 on April 7-9, then 8, 15 and 20 on April 10-12, 15 on April 13-15, then 8, 5 and 5 on April 16-18, then 15, 1 and 15 on April 19-21, then 18, 10 and 5 on April 22-24, then 15, 12 and 8 on April 25-27, 5 on April 28 through May 6, then 8, 15 and 20 on May 7-9, 15 on May 10-12 and 8 on May 13.

Sunspot numbers for March 22 through 28, 2018 were 0, 0, 0, 0, 0, 0, and 0, with a mean of 0. 10.7 cm flux was 68.5, 68.1, 67.6, 68.3, 67.8, 68.3, and 68.6, with a mean of 69.3. Estimated planetary A indices were 7, 17, 9, 17, 12, 9, and 3, with a mean of 14.4. Estimated mid-latitude A indices were 6, 15, 7, 15, 10, 7, and 2, with a mean of 11.3.

Courtesy of the ARRL Newsletter

HOSPITAL SHIP CREW MEMBERS GET AMATEUR RADIO TRAINING AT SEA

On February 21, US Army civilian contractor Tim Millea, AJ7UU, and MARS Volunteer Doug Smith, W7KF, embarked on the hospital ship USNS Mercy from San Diego to Hawaii to begin its deployment for "Pacific Partnership 2018" (PP18), a humanitarian assistance exercise that will include several Pacific stops. Their mission during the first leg of the voyage was to conduct Technician and General Amateur Radio classes for more than a dozen military and civilian personnel crewing the Military Sealift Command hospital ship, and to provide training in military HF communication procedures. The pair provided two or three training classes a day for the crew, who took the classes following their work shifts. Classroom training was interspersed with on-air activi-

(Continued on page 4)

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USNS Mercy. [Katarzyna Kobijak photo]

More than 18 sailors and civilians assigned to the USNS Mercy passed their Amateur Radio exams, administered on March 3 in Pearl Harbor. The successful candidates had their new call signs or upgraded tickets by March 5.

Among those upgrading was Captain David Bretz, WH6FIR, the PP18 Mission Commander. "I am very excited to host the trainers on Mercy," Bretz said. "We will be researching the effectiveness of using Amateur Radio aboard the Mercy for the duration of PP18. Amateur Radio operators have played a huge role throughout history assisting in humanitarian and disaster relief efforts. I am looking forward to gathering research on how this older technology can still be relevant in current humanitarian and disaster relief missions, such as PP18." The Mercy arrived in Guam this week.

ties in the ship's Amateur Radio room. The Mercy is utilizing the Weak Signal Propagation Reporting (WSPR <<http://wsprnet.org/drupal/>>) tool under K6MRC. On March 3, the Mercy docked in Hawaii, where a group of local Volunteer Examiners (VEs), headed by ARRL Pacific Section Manager Joe Speroni, AH0A, administered Technician and General licensing exams to the students.

"The ARRL VE Team in Honolulu was fantastic to work with," Smith told ARRL. "Due to spotty internet connectivity while at sea and strict base access and security issues in port, the VEs in Hawaii had to exhibit extraordinary patience and persistence to administer the exams aboard Mercy." Smith singled out ARRL VEC Manager Maria Somma, AB1FM, for being "super helpful throughout this endeavor."

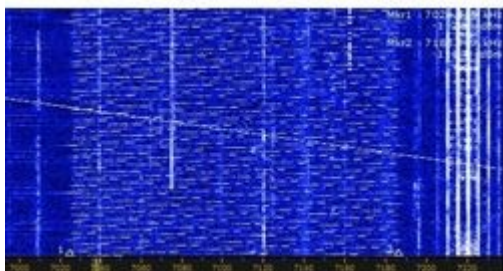


The USNS Mercy candidates sit for their examinations in Hawaii.

Courtesy of the ARRL Newsletter

JUST WHEN YOU THOUGHT IT WAS SAFE: CHINESE OVER-THE-HORIZON RADAR APPEARS ON 40 METERS

The International Amateur Radio Union Region 1 (IARU-R1 <<https://www.iaru-r1.org/>>) Monitoring System (IARUMS <<http://www.iarums-r1.org/>>) reports that one of China's over-the-horizon radar (OTHR) installations has been causing interference in the Amateur Radio 7 MHz band. The IARUMS February newsletter <http://www.iarums-r1.org/iarums/news2018/news1802.pdf> reports on that intruder and others.



The Chinese over-the-horizon radar signal on 40 meters. Other Top 5 intruders include a "single-letter beacon" transmitting either the letter "K" or the letter "T" on 7039.3 kHz. The source is believed to be in the Russian Pacific, Petropavlovsk-Kamchatsky. A Russian F1B teleprinter signal (RDL) has appeared on 7193 kHz, with an encrypted frequency-shift-keyed (50-baud) signal, originating in Kaliningrad. Authorities in Germany and Switzerland have filed official complaints.

The Chinese over-the-horizon radar signal on 40 meters. [Wolf Hadel, DK2OM, image]

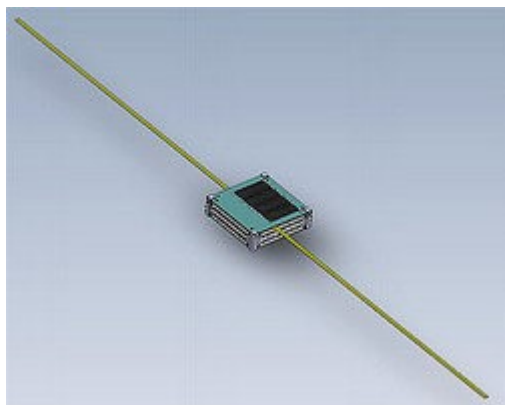
A Russian orthogonal frequency-division multiplex OFDM 60 signal has been showing up on 14.235 MHz, covering nearly 3 kilohertz. It's said to be located in Moscow. Three Russian OFDM 60 signals were active at the same time on February 13. A Russian F1B signal has been observed on 14.308 MHz, 50 baud, 500 Hz shift, also reported to be in Moscow.

In the "miscellaneous or bad news" category, IARUMS Region 1 Coordinator Wolf Hadel, DK2OM, reports Spanish-speaking "fishermen" on 3560 kHz (USB), heard daily at 1600 UTC or later. These signals have been heard on other 80-meter frequencies. Broadcaster Radio Hargeisa in Somaliland continues to be reported on 7.120 MHz (AM) daily.

Courtesy of the ARRL Newsletter

(Continued on page 5)

LAUNCH OF "SPACEBEEES" UNAUTHORIZED, FCC TELLS CALIFORNIA TECHNOLOGY DEVELOPER



When an Amateur Radio satellite launched on January 12 from India on Polar Satellite Launch Vehicle (PSLV) C40, some tiny 0.25 U CubeSats called SpaceBEEs -- not to be confused with the fantasy insects in the "Futurama" TV cartoon -- went into space on the same flight that apparently should not have.

Last December, in a letter to their developer, Swarm Technologies Inc <<http://www.swarmtechnology.us/>>. of Los Altos, California, Anthony Serafini, the Chief of the FCC's Experimental Licensing Branch, advised that the FCC was unable to grant the company's application for an experimental authorization in association with deployment and operation of "four spacecraft smaller than 10 cm in one of their three dimensions." In dismissing the application without prejudice, the FCC said the spacecraft were below the size threshold "at which detection by the Space Surveillance Network (SSN) can be considered routine."

The FCC has told Swarm Technologies that its application for an additional experimental authorization had been set aside "to permit assessment of the impact of the

applicant's apparent unauthorized launch and operation of four satellites, and related statements and representations, on its qualifications to be a Commission licensee.

Courtesy of the ARRL Newsletter

WHY ARRL IS RECOMMENDING ENHANCED HF PRIVILEGES FOR TECHNICIANS

ARRL has asked the FCC to expand HF privileges for the entry-level Technician license to include limited phone privileges on 75, 40, and 15 meters, plus RTTY and digital mode privileges on 80, 40, and 15 meters, where Technicians already have CW privileges. ARRL believes the additional digital privileges will attract younger people to Amateur Radio.

The proposed additional HF phone privileges are 3.900 to 4.000 MHz, 7.225 to 7.300 MHz, and 21.350 to 21.450 MHz. Technicians already have HF privileges on parts of 10 meters.

Some in the Amateur Radio community have questioned the need for expanded Technician privileges or to express other perspectives. ARRL has responded to point out some of the key advantages of its petition [http://www.arrl.org/files/media/News/2018 Entry Level License PRM FINAL.pdf](http://www.arrl.org/files/media/News/2018%20Entry%20Level%20License%20PRM%20FINAL.pdf) which recognizes the tremendous technological advances and changes in Amateur Radio. Some key points:

- A thorough review of operating privileges available to the entry-level license has not taken place since the late 1970s, when the Novice-class license -- the entry-level license at that time, and no longer issued -- was modified to allow Novices access to a limited portion of 10 meters. This included the first HF phone privileges for Novices.

- The 2-year process that led to the development of ARRL's petition includes significant input from the Amateur Radio community. The two surveys that the ARRL board's Entry-Level License (ELL) Committee conducted on this issue drew more than 8,000 responses from ARRL members.

- The 378,000 Technician licensees comprise more than half of the US Amateur Radio population, yet the Technician-class license no longer serves its original purpose from 18 years ago. Many Technicians do not participate actively, pursue on-air and public service opportunities, renew their licenses, or upgrade. An uncomfortably large attrition rate exists among Technician licensees. Technician licenses are not upgrading, because they don't find their operating privileges interesting enough to keep them in the hobby.

- The proposed addition of 275 kilohertz of HF phone privileges, spread across 80, 40, and 15 meters, would allow Technicians the opportunity to develop and expand their understanding of HF propagation. In addition, this proposed change would allow Technician licensees to participate in public service-oriented, emergency, and Section traffic nets on 75 meters, from 3900 to 4000 kHz, where primary state/Section-wide public service activities often take place.

- Additional operating privileges for Technicians will not limit their incentive to upgrade. ARRL points out that Technicians now have access to 850 kilohertz of spectrum in four HF bands. ARRL proposes an additional 275 kilohertz on three of those bands, so the total under this proposal is 1,125 kilohertz on four bands -- 80, 40, 15, and 10 meters.

Compare that to current General-class HF privileges: 3150 kilohertz across nine HF bands -- 160, 80, 40, 30, 20, 17, 15, 12, and 10 meters. In addition, Generals have access to the five 60-meter channels and to the two newest bands, 2200 and 630 meters. The incentive to upgrade from Technician to General is a tripling of the available HF spectrum; upgrading to General allows access to eight additional bands, including the prime daytime bands of 20 and 17 meters. Also, Technicians upgrading to General or higher are permitted the maximum amateur power level of 1500 W PEP. Read more <<http://www.arrl.org/technicianenhancement>>.

Courtesy of the ARRL Newsletter

FT8 DXPEDITION MODE FIELD TEST ATTRACTS UPWARD OF 500 PARTICIPANTS

The "Fox" and the "Hounds" were on the bands March 6, as the WSJT-Xdevelopment group conducted a field test of the still-beta FT8 DXpedition Mode <http://physics.princeton.edu/pulsar/k1jt/FT8_DXpedition_Mode.pdf>. A second beta version of WSJT-X version 1.9.0, which includes the DXpedition-mode-capable version of FT8 -- was released recently. Version 1.9.0-rc2 was made available to allow further field testing of the FT8 DXpedition mode, which is designed to permit DXpeditions to make FT8 contacts at very high rates.

Developer Joe Taylor -- the "T" in FT8 -- has released a few highlights drawn from his observations during the public test. The "Fox" is the DXpedition station, while "Hounds" comprise the pileup. According to the FT8 DXpedition Mode User Guide <http://physics.princeton.edu/pulsar/k1jt/FT8_DXpedition_Mode.pdf>, contacts between the DXpedition station and callers can be completed in as little as one transmission apiece by the calling station. DXpedition stations can transmit up to five signals simultaneously, allowing contact rates up to about 500 per hour, under ideal conditions.

"The overwhelming majority of participating Hounds operated as intended, and according to instructions," Taylor said. "I copied 190 unique Hound call signs during the 2300 [UTC] hour -- when I was acting as Fox on 20 meters -- and 330 unique call signs during the whole 4 hours. I suppose that we had at least 400 - 500 participants, maybe more."

Taylor said that depending on programming progress and his own schedule, the development team may schedule another public test in a few weeks. Read more <<http://www.arrl.org/news/ft8-dxpedition-mode-field-test-attracts-upward-of-500-participants>>.

Courtesy of the ARRL Newsletter

DUCIE ISLAND 2018 DXPEDITION PLANS COMING TOGETHER FOR THIS FALL

The Perseverance DX Group (PDXG <<http://pdxg.net/>>) reports that its plans to activate the protected marine area of Ducie Island from October 20 to November 3, 2018 are starting to jell. The last Ducie Island DXpedition was VP6DX in 2008. Ducie is currently the 21st most-wanted DXCC entity, according to Club Log. The 2018 DXpedition would operate as VP6D <<http://vp6d.com/>>. A team of 15 operators will be on the island for up to 14 days, departing from Manga-
reva, French Polynesia, aboard the expedition ship Braveheart. Seven operating positions are planned for 160 through 10 meters, SSB, CW, and digital, including FT8. VP6D has added 6-meter Earth-Moon-Earth to the mix and hopes to make the first-ever 6-meter moonbounce contacts from Ducie Island.



"The logistics plan is coming together," the team announced on February 8. "Our equipment will be consolidated in Fremont, California, for testing, packaging, and shipment to the Braveheart in New Zealand."

The team reported that the antennas planned include 2-element vertical dipole arrays on the high bands backed up by a couple of horizontal beams; 4-squares on 30 and 40 meters, and verticals on 80 and 160. Top Band receive antennas are still under development.

A grant from the Northern California DX Foundation (NCDXF <<http://www.ncdxf.org/>>) as well as contributions <<http://vp6d.com/index.php/support/donation>> from other DX organizations, are helping to fund the adventure.

It's believed that this would be the fourth DXpedition to Ducie Island. An uninhabited atoll, Ducie Island is a British Overseas Territory in the Pitcairn Islands in the South Pacific.

Direct questions to Team Ducie <info@vp6d.com>.

Courtesy of the ARRL Newsletter

CLUB INFO**PUBLIC SERVICE**

March for Babies, April 29th

Warminster Memorial Day Parade

Greater BucksMont Chamber Golf Outing – Thurs., June 7, 2018 @ 9:00 am

Warminster Parks & Recreation Golf Outing – Monday, October 8, 2018 @ 9:00 am

Warminster Day, June 9th

see George, N3HBT for more info

Valley Forge Revolutionary Run, April 22 - **see Guy, WA3JZN for more info**

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 2018

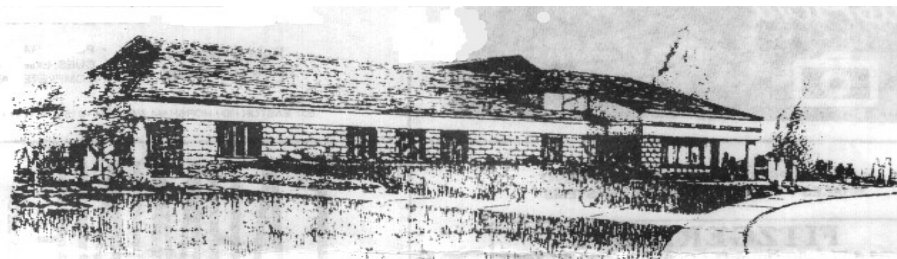
April – Hamfest Prep; Nominations closed; Stump the Chump

May – Hamfest Prep (final); Elections; Antennas w/Joe AA3JH

June – Hamfest Recap/Field Day Prep /Pizza Night

July – Field Day Recap

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.

2018 Contest Calendar

April

15 Rookie Roundup – Phone 1800 UTC through 2359 UTC

June

9-11 June VHF 1800 UTC Saturday, runs through 0259 UTC Monday

16 Kid's Day 1800 UTC through 2359 UTC

23-24 Field Day

July

14-15 IARU HF World Championship 1200 UTC Saturday and ending 1159 UTC Sunday

QSO Parties

Mississippi	1400Z, Apr 7 to 0200Z, Apr 8
Missouri	1400Z, Apr 7 to 0400Z, Apr 8 and 1400Z-2000Z, Apr 8
New Mexico	1400Z, Apr 14 to 0200Z, Apr 15
North Dakota	1800Z, Apr 15 to 1800Z, Apr 16
Georgia	1800Z, Apr 14 to 0359Z, Apr 15 and 1400Z-2359Z, Apr 15
Nebraska	1300Z, Apr 21 to 0200Z, Apr 22 and 1300Z-2200Z, Apr 22
Michigan	1600Z, Apr 21 to 0400Z, Apr 22
Florida	1600Z, Apr 28 to 0159Z, Apr 29 and 1200Z-2159Z, Apr 29

V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must bring two forms of positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC'S 2018 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 ➤ 2018

April 21 - Delaware State Convention (Delmarva Amateur Radio & Electronics EXPO)

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

April 22 - JSARS HAMFEST BY THE SHORE

Riverwood Park
100 Riverwood Drive
Toms River, NJ 08753
<http://jsars.org>

April 28 - York Hamfest

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

May 6 - Eastern Pennsylvania Section Convention

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

SKYWARN INFORMATION

MOUNT HOLLY NWSFO SKYWARN Weekly Information Net: EVERY THURSDAY AT 21:00 HOURS

SKYWARN Net Repeater Listing/ Streaming Audio of scheduled SKYWARN

Net: <http://www.skywarnnet.net>

You do NOT have to be a certified SKYWARN Weather Spotter to check into the Net

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:

<http://www.erh.noaa.gov/phi/skywarn/index.html>

SKYWARN Basic Weather Spotter Educational Programs URL:

<http://www.erh.noaa.gov/phi/skywarn/training.html#sched>

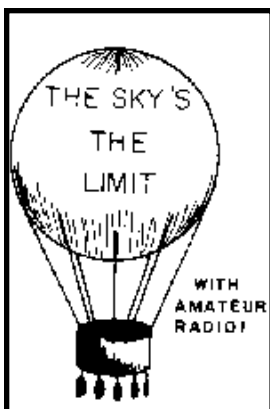
➤ CLUB EQUIPMENT

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, George Acker KC3ESH



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, Morse code, 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 by **Ron Small, WB2OOB** starting March 12th for 6 Mondays in a row from 7 to 9 pm

Extra classes will be taught by **George Altemus, KA3WXV** starting March 12th for 8 Mondays in a row from 7 to 9 pm

For further information contact George Brechmann, N3HBT at 215-443-5656.

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.

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

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 Family Member: \$ 10.00
Student: \$ 10.00
Alumni: \$ 10.00

- **Are your dues current ?**

2018 Officers

Executive Officers

President	Tony Cuttone	W3FLH	267-679-9297
Vice-President	George Acker	KC3ESH	215-815-7783
Secretary	Kathy Acker	KC3FBY	215-815-7978
Treasurer	Herb Hickmott	KB3VMN	267-718-3601
Director (A)	Michael Shanblatt	W3MAS	267-491-5773
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	Irwin Darack	KD3TB	215-343-8170

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 18	Doc Whitticar	W3GAD	215-968-6397
Hamfest 18	Michael Shanblatt	W3MAS	267-491-5773
Hamwear	Kathy Acker	KC3FBY	215-815-7978
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Jacek Ostrowski	KC3HFX	215-343-1899
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	
Station Trustee	George Brechmann	N3HBT	215-443-5656
Sunshine Club	Vince Pironti	KD3TC	215-674-0446
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