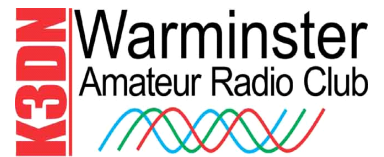




# FEEDBACK



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

Warminster Amateur Radio Club

July 2018

## Next Meeting July 5 Field Day Recap – QSLing with Tony W3FLH

### President's Message

For me with the beginning of July comes the end of the spring “Ham” season. It starts with our Hamfest in May and ends with Field Day in June. This is always a great time for the amateur radio community to come together and share in all the great camaraderie and fun that this hobby has to offer. To all the members who worked together to make Hamfest, Field Day, the special event stations and all the public service events a success, I thank you. Without all the time the volunteers invest in these events they would not be as successful or fun. Now as summer is here it is time to look over the antennas and equipment to be ready for the fall contests.

With the elections I take on the role as president of the club. I need to thank Tony, W3FLH for all the work he has done as president over the past 3 years. Go ahead and sit down for the meetings, you deserve it. Also, a big thank you to Irwin, KB3TB, who for the first time in eight years will not be serving on the board. Enjoy your extra Thursday nights. I look forward to working with the board members, those in old positions, those in new positions and those new to the board to continue to make WARC the great organization that it is. Thank you all for the vote of confidence.

As I start this, as any new venture, I am always reminded of The Shepard's Prayer. When Alan Shepard first orbited the globe on May 5, 1961 in the Mercury space capsule he uttered the words “Oh Lord, please don't let me screw up!” I know how he feels. Also, I would like to welcome new member, Scott N3NEP, to the club. Be sure to say hi to him at the next meeting.

73, George, KC3ESH

### **Minutes WARC General Meeting June 7, 2018**

#### **Attendance:**

##### **Call to Order**

Introductions – pass mic

#### **Minutes from last Board Meeting**

Additions/Corrections - Motion made and approved to accept minutes as written.

#### **Committee Reports**

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

As reported at the meeting

##### **Programs:** *George KC3ESH*

July – Field Day Recap – QSLing with Tony W3FLH

August – Radio Sport (Contesting) – Irwin KD3TB, Bill K3FMQ, Andy KD3RF

September – Home Brew

October – Force of 50 Phil Weber KH2EI

November – ARRL Night

December – Holiday Party

##### **Membership:** *Jacek KC3HXF*

133 members paid

##### **Public Service:** *George N3HBT*

Warminster Memorial Day Parade – May 28<sup>th</sup> good parade and about a dozen hams participated.

*(Continued on page 2)*

(Continued from page 1)

Warminster Golf Outing, Thursday, June 7<sup>th</sup>: successful outing today.

Warminster Days on Saturday, June 9<sup>th</sup>: Do we have any interest in participating and manning a table

Warminster Golf Outing, Columbus Day in October

Tour de Cure is Saturday, June 16 at Delaware Valley University, Karl K3KH has information if you are interested in participating

**Classes:** *George KA3WXV/Ron WB2OOB (not in attendance)*

Fall session will be Tech and General beginning the second Monday in September from 7:00pm-9:00pm

**VE Testing:** *Larry WA3ELQ (not in attendance)*

2 VE sessions

Hamfest had 3 participates – 2 upgrades to general and 1 tech

Monday night test session had several successful attendees as new techs and upgrades to general and extra.

Next session, Monday June 25

**Repeater:** *Brian N3EXA (not in attendance)*

**Good and Welfare:** *Vince KD3TC (not in attendance)*

#### **Other Committees**

##### **Old Business**

Ockanickon BSA Station (Steve WW3Y) not in attendance. Grant was approved but hasn't received money yet.

W3P Memorial Day Special Event (Jacek KC3HXF) – Saturday & Sunday, May 26-27, 11am-5pm, Shrine of Our Lady of Czestochowa. Made over 130 contacts on Saturday and we were not able to operate on Sunday do to the weather. Had 12 hams attend. Had several people come into the area that we talked to regarding ham radio.

Thank you to all who participated and helped out at the event. We received positive feedback from the Shrine.

Hamfest recap (Michael W3MAS) – Probably the most profit made for a Hamfest. Thanks to everyone for their help and support. Good reviews from attendees. Slacks sold out of food. Good speaker line up.

##### **New Business**

Budget 2018-2019 – Budget was reviewed and updated. A motion was made and was unanimously approved by the membership.

New Membership Chair – Norm Miles AB3ZZ – Norm has stepped up and has been approved as new membership chairman.

Groups migration – Brandon N3UO still reviewing Groups.io. The K3DN yahoo group will be the first to migrate and will test the functionality before moving the entire club over.

PA QSO Party – Tony W3FLH has heard that there is an announcement coming very soon regarding this year's event. Looks like the event will be covered this year. The membership did not seem to be interested in sponsoring this event. The announcement came out during the meeting that the Nittany club will run the QSO Party again this year.

Michelle KB3MTW spoke about the June VHF contest that is this weekend and to make contact with her.

Tony W3FLH closed the meeting and thanked everyone for their help and support as he closes his term as president.

Kathy KC3FBY thanked Tony on behalf of the board and membership for his 3 years of service as president.

##### **Motion to Adjourn**

Motion made and approved to adjourn at 8:34pm

**Presentation:** *Field Day prep w/Doc W3GAD; Pizza Night!*

(Continued on page 3)

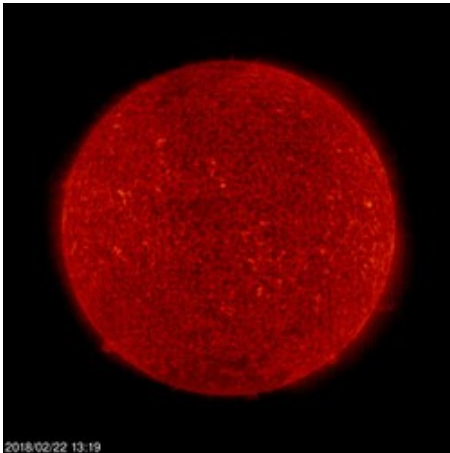
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### LOOK AT THIS NOTE FROM CHEESEBITS ON EMCOMM

Here's a nice report made for the general public on ham radio **EMCOMM**. <https://www.youtube.com/watch?v=dO09aMGMizM&feature=youtu.be> Gives you an idea of how hams are (sometimes) viewed by the general media. Worth a look.

Tnx to Grant NQ5T for the URL

### The K7RA Solar Update



Tad Cook, K7RA, Seattle, reports: Conditions were good for Field Day weekend, with no geomagnetic disruptions and solar flux and sunspot numbers relatively high for this part of the solar cycle. The sunspot numbers were 41, 34, and 16 for Friday, Saturday, and Sunday, while solar flux was 80.3, 77.1, and 74.5.

By June 27, though, no sunspots were visible. The average daily sunspot number of 22.6 was down slightly from the previous week's 25.7. Average daily solar flux nudged up this week from 74 to 75.3, and the average planetary A index increased from 6.7 to 9.9.

Predicted solar flux is 71 and 69 on June 28-29; 68 on June 30-July 6; 72 on July 7-13; 75 on July 14-15; 77 on July 16; 80 on July 17-19; 77 on July 20-21; 75 on July 22; 72 on July 23-24; 70 on July 25-26; 68 on July 27-August 2; 72 on August 3-9, and 75 on August 10-11.

Predicted planetary A index is 10 and 8 on June 28-29; 5 on June 30 and July 1; 6 and 8 on July 2-3; 5 on July 4-14; 15 on July 15; 5 on July 16-19; 15 on July 20; 8 on July 21-22; 10, 25, 18, 12, and 8 on July 23-27; 5 on July 28-August 10, and 15 on August 11.

Jon Jones, N0JK, reported a 6 meter opening from the midwest to Asia on June 21. As he described it, "A major sporadic-E opening on 50 MHz between Japan, China, Korea to North America June 21. Hundreds of contacts were made, most via FT8." More details can be found in the Friday Propagation Bulletin.

Sunspot numbers for June 21-27 were 41, 41, 34, 16, 14, 12, and 0, with a mean of 22.6. The 10.7-centimeter flux was 81.5, 80.3, 77.1, 74.5, 72.8, 71.1, and 70, with a mean of 75.3. Estimated planetary A indices were 3, 4, 16, 7, 12, 20, and 7, with a mean of 9.9. Estimated mid-latitude A indices were 4, 4, 15, 8, 10, 17, and 7, with a mean of 9.3.

Courtesy of the ARRL Newsletter

### WHO ARE THESE PEOPLE?



This is a photo of a Field Day from the distant past which I recently came across.

I recognized Ron, NY3J, but I didn't know any others until Ron pointed out AI, WI3Z.

Do you see yourself in here?

Let me know who is in the photo and I will publish the results next month.

This should be fun.

Jim WA4YWM

(Continued on page 4)

(Continued from page 3)

### "BAKER IS BRUTAL!" KH1/KH7Z DXPEDITION TEAM REPORTS UPON ARRIVAL

"Baker is brutal!" That was the initial assessment from the Baker Island KH1/KH7Z <<http://baker2018.net/index.html>> DXpedition team, which arrived at the uninhabited South Pacific atoll on June 26 at local sunrise, following a 4-day sea voyage. The KH1/KH7Z team started up early on June 27, initially with four stations on the air, with additional stations and modes, including FT8, joining the fray by June 28.



"Island conditions are extremely hot and difficult. Long work periods in the sun are challenging," a June 27 DXpedition news update reported. The team reported that the landing "was not too bad, but the island is an oven," with the temperature well above 100 °F by mid-morning. Despite challenging tides, the crew of the *Nai'a* was able to offload all tents, generators, and emergency supplies. After the initial landing team left

"totally exhausted," a fresh crew arrived to put up the tents for sleeping and move radios, antennas, and generators to the storage and operating tents.

"They say it never rains on Baker," the DXpedition noted in its June 28 update. "At midnight, giant squalls came through, knocking out one of our three antennas that we worked so hard to get up. We worked through the morning and [now] have 6 stations available."

The KH1/KH7Z frequency plan <<http://baker2018.net/pages/plan.html>> is on the DXpedition website. DXpedition operators generally will operate split. Do not call on the DX station's transmitting frequency.

FT8 "DXpedition Mode" operation is planned. Stations should have WSJT-X version 1.9.1 installed and be in "Hound" mode (check the appropriate box under the "Advanced" tab in the WSJT-X File/Settings menu). More information <[https://physics.princeton.edu/pulsar/k1jt/FT8\\_DXpedition\\_Mode.pdf](https://physics.princeton.edu/pulsar/k1jt/FT8_DXpedition_Mode.pdf)> on DXpedition Mode is available from the WSJT-X Development Team.

Plans call for the DXpedition to be "very active" on 60 meters. Logs <<https://clublog.org/charts/?c=KH1/KH7Z>> will be uploaded to Club Log.



For his June 28 Ham Talk Live! <<http://www.hamtalklive.com/>> internet radio program, Neil Rapp, WB9VPG, has arranged for a satellite telephone contact with the Baker Island DXpedition team and will take callers via Skype or telephone. He'll also take live questions via Twitter (@HamTalkLive) or, in advance, by email <[contact@hamtalklive.com](mailto:contact@hamtalklive.com)>. Ham Talk Live! streams Thursdays at 9 PM EDT (0100 UTC on Fridays in North American Time Zones).

*Courtesy of the ARRL Newsletter*

### 13 COLONIES SPECIAL EVENT TO MARK 10TH ANNIVERSARY THIS YEAR



The annual Original 13 Colonies Special Event <<http://www.13colonies.net/>> will mark its 10th anniversary this year. The event gets under way on July 1 at 1300 UTC and runs through July 8 at 0400 UTC. Event Manager Kenneth Villone, KU2US, reports that 127,132 contacts took place during the 2017 13 Colonies event, down from 139,772 in 2016, owing in part to poor band conditions.

Special event stations with 1 × 1 call signs will represent the original 13 US colonies, plus bonus stations WM3PEN in Philadelphia and GB13COL in Durham, England. Each special event station will have its own QRZ.com profile page. Participating stations try to contact all 13 Colony Stations plus the two bonus stations.

(Continued on page 5)



Call signs and their respective states are K2A, New York; K2B, Virginia; K2C, Rhode Island; K2D, Connecticut; K2E, Delaware; K2F, Maryland; K2G, Georgia; K2H, Massachusetts; K2I, New Jersey; K2J, North Carolina; K2K, New Hampshire; K2L, South Carolina, and K2M, Pennsylvania.

Additional information <<http://www.13colonies.net/>> is on the 13 Colonies website.

### EXPERIMENTS LOOK TO LEVERAGE LOW-LATENCY HF TO SHAVE MICROSECONDS OFF TRADE TIMES

Experimental operations now under way on HF appear aimed at leveraging low-latency HF propagation to shave microseconds from futures market trades and gain a competitive edge in a field where millionths of a second can mean winning or losing. On June 18, Bloomberg reported <https://www.bloomberg.com/news/articles/2018-06-18/hft-traders-dust-off-19th-century-tool-in-search-of-market-edge> on a secretive antenna facility near Maple Park, in Kane County, Illinois, and speculated that futures traders might be looking to take advantage of lower-latency HF propagation over state-of-the-art microwave links and undersea cables, where even the slightest path delay could compromise a transaction. The facility is not far from a major futures data center.



As the Bloomberg article explained, "Rapidly sending data from there to other important market centers can help the speediest traders profit from price differences for related assets. Those money-making opportunities often last only tiny fractions of a second."

Radio amateur Bob Van Valzah, KE9YQ, said in a May blog post <https://sniperinmahwah.wordpress.com/2018/05/07/shortwave-trading-part-i-the-west-chicago-tower-mystery/> that he recently stumbled onto the first evidence of HF radio futures trading at a site in West Chicago, Illinois. There, he spotted HF log-period dipole arrays on a pole, and a microwave dish he determined was aimed at a Chicago Mercantile Exchange (CME) data center. Additional research led him to the antenna facility in Maple Park, which also sported a microwave dish apparently aimed at the CME data center. Two approximately 170-foot towers on the site support a directional wire array for HF. Van Valzah is a performance engineer on leave from the high-frequency -- no pun intended -- trading field.

Bloomberg said the company behind the Kane County project is New Line Networks, LLC, a joint venture of Chicago-based Jump Trading, LLC, and New York-based Virtu Financial, Inc. While no FCC Part 5 Experimental license appears to have been assigned to New Line Networks, WH2XVO is assigned to partner Virtu Financial, which assumed the license from Services Development Company LLC.

Sites listed on the license are Aurora and Chicago, Illinois, in addition to Homer, Alaska, and Secaucus, New Jersey -- home to several financial firms and right across the Hudson River from many more in New York City. Part 5 Experimental license W12XAJ has been assigned to Toggle Communications, which is using the West Chicago site and appears to be experimenting with a similar system from other sites. Other entities may also be conducting similar experiments.

The Experimental-licensed systems use a variety of frequency shift-keying modes, including FSK, AFSK, QPSK, and 8-PSK, on frequencies ranging from about 6 MHz to 24 MHz and power levels from 20 kW ERP to nearly 50 kW ERP, depending on the Experimental license in question. Van Valzah pointed out in his blog post that, while HF is low bandwidth, unreliable, and expensive, "you can't beat it for [low] latency."

ARRL reached out to the point of contact listed on the WH2XVO application but has not heard back.

*Courtesy of the ARRL Newsletter*

### SAILOR GRATEFUL FOR MARITIME MOBILE SERVICE NETWORK ASSISTANCE

Phoenix sailor and radio amateur Timothy Henning, KE7WMZ, has expressed his gratitude to the Maritime Mobile Service Network (MMSN <<http://www.mmsn.org/>>) for intercepting and handling his distress call on 14.300 MHz. Net control operator Harry Williams, W0LS, caught Henning's call requesting assistance with an urgent medical condition on May 23. Henning, some 200 nautical miles south of Ensenada, Mexico, in his sailing vessel Victory Cat, reported that a severe vision problem had developed in his right eye, and he was seeking immediate medical attention and advice.

Williams contacted the US Coast Guard in Alameda, California, relaying all information concerning the medical problem and staying on the air with Henning for several hours. The Coast Guard, in turn, relayed the information to the on-duty flight surgeon who advised that Henning seek immediate medical attention at the closest port of call.

It was decided that Henning would continue on to Ensenada, and the Coast Guard arranged to have someone meet him there and transport him to the Balboa Naval Hospital in San Diego, while his wife stood by with the vessel at the dock.

Ultimately, it was determined that Henning had a detached retina, and he was transported to Phoenix for surgery.



"I appreciate, beyond words, that the Maritime Net was able to help us get in contact with the USCG and simply be at the other end of the HF radio, helping us through a challenging time," Henning told the MMSN afterward. "I especially want to thank Harry, W0LS. He was extremely professional and invaluable in linking us effectively with the USCG. We were just completing our 10 years round-the-world sail <<http://victorycat.webs.com/apps/blog/>> voyage."



**Tim Henning, KE7WMZ, aboard Victory Cat near Greece.**

The Maritime Mobile Service Net operates daily on 14.300 MHz from 1700 UTC to 0200 UTC. It is celebrating its 50th anniversary this year.

*Courtesy of the ARRL Newsletter*

### ARRL DRONE TRANSMITTERS COMPLAINT SPURS PROPOSED \$2.8 MILLION FCC PENALTY

In the wake of an investigation resulting from a 2017 ARRL complaint <<http://www.arrl.org/files/file/Regulatory/Drone%20Video%20Transmitter%20Complaint%20FINAL%20for%20filing%2001%2011%202017.pdf>>, the FCC has proposed fining HobbyKing and associated entities \$2.8 million for apparently marketing noncompliant RF devices and failing to comply with Commission orders. According to a June 5 FCC Notice of Apparent Liability (NAL <<https://docs.fcc.gov/public/attachments/FCC-18-71A1.pdf>>), HobbyKing appears to have sold audio/video (A/V) transmitters intended for use with unmanned aircraft, such as drones, in some instances marketing them as Amateur Radio equipment.

"The Enforcement Bureau previously issued a Citation notifying HobbyKing of its legal and regulatory obligations and ordering it to cease and desist from marketing noncompliant equipment," the FCC said in the NAL. "Additionally, the Bureau issued a Citation against HobbyKing for failing to fully respond to a Letter of Inquiry. Despite these Citations, HobbyKing has continued its apparently unlawful practices."

HobbyKing had denied that it was marketing its drone transmitters to US customers, but ARRL's January 2017 complaint pointed out that ARRL Laboratory Manager Ed Hare, W1RFI, was able to purchase two drone transmitters from HobbyKing and have them shipped to a US address for testing in the Lab.

In his 2017 letter to the FCC Spectrum Enforcement Division, ARRL General Counsel Chris Imlay, W3KD, described the transmitters as "blatantly illegal at multiple levels," and noted that they used frequencies intended for navigational aids, air traffic control radar, air route surveillance radars, and global positioning systems and not Amateur Radio frequencies, as the marketer had purported.

ARRL told the Enforcement Bureau in 2017 that the devices "represent a real and dangerous threat to the safety of flight, especially when operated from a drone platform that can be hundreds of feet in the air." Hare and ARRL Lab staffers Mike Gruber, W1MG and Bob Allison, WB1GCM, tested the units. Imlay credited ARRL Central Division Director Kermit Carlson, W9XA, and the Electromagnetic Compatibility Committee he chairs, for calling attention to the issue and prompting ARRL's action.

In a related news release <<https://docs.fcc.gov/public/attachments/DOC-351279A1.pdf>> this week, the FCC said that while HobbyKing represented that its transmitters operated in designated Amateur Radio bands, the Commission's investigation uncovered that 65 models could also apparently operate outside of the ham bands. The FCC noted that Amateur Radio equipment used to telecommand model craft are limited to 1 W (1,000 mW), but three transmitters included in the NAL "apparently operate at significantly higher power levels of 1,500 mW and 2,000 mW."

"The Commission generally has not required amateur equipment to be certified, but such equipment must be designed to operate only in frequency bands allocated for amateur use," the NAL said. "If such equipment can operate in amateur and non-amateur fre-

quencies, it must be certified prior to marketing and operation." The FCC also said in its NAL that consumers who own such HobbyKing devices "should cease using them immediately or risk enforcement action."

This week, the FCC also issued an Enforcement Advisory <<https://docs.fcc.gov/public/attachments/DA-18-581A1.pdf>> cautioning that drone transmitters must comply with FCC rules in order to be marketed to customers in the US, and that operators must comply with FCC rules.

In its 2017 complaint, ARRL cited the Lawmate transmitter and its companion 6 W amplifier as examples of problematic devices being marketed in the US.



"However, many A/V transmitters that purport to operate on amateur frequencies also operate on frequencies that extend beyond the designated amateur frequency bands," the advisory said. "If an A/V transmitter is capable of operating outside of the amateur frequency bands, it cannot be advertised, sold, or operated within the United States without an FCC equipment certification. Individuals without an amateur license may not use such radio equipment, if it is designed solely for use by amateur licensees."

Imlay said the FCC action addressed "another of many instances in which unscrupulous importers import and market products in the US touted as Amateur Radio equipment but actually marketed to the general public, and which, in this case, have a high potential for abuse and interference to other radio services and to radio amateurs." Imlay characterized the FCC NAL as an important "line in the sand" aimed at keeping companies from encouraging the general public to use the amateur bands without a license.

**In its 2017 complaint, ARRL cited the Lawmate transmitter and its companion 6 W amplifier as examples of problematic devices being marketed in the US.**

*Courtesy of the ARRL Newsletter*

## **PRESIDENT NOMINATES ENFORCEMENT BUREAU OFFICIAL TO FCC**

Acting on a recommendation from Senate Minority Leader Chuck Schumer, President Donald Trump has nominated FCC Enforcement Bureau Assistant Chief Geoffrey Starks to fill the Commission's sole open seat. If confirmed by the US Senate, Starks would fill the seat vacated by Mignon Clyburn. Both are Democrats. Republican nominees have a 3-2 advantage on the FCC, which is headed by Chairman Ajit Pai. Starks' term would end in 2022. Commissioner Jessica Rosenworcel is the other Democrat on the FCC.



An attorney who holds degrees from Harvard University and Yale Law School, Starks has worked in government for most of his career and joined the FCC staff in late 2015. Before taking his current job in the Enforcement Bureau, Starks worked for the Justice Department.

Rosenworcel congratulated Starks on his nomination and said he would be "a welcome addition" to the Commission. Clyburn called Starks "a sharp communications attorney committed to public service." Republican Commissioner Michael O'Rielly said Starks "will bring a new voice to important debates before the Commission."

*Courtesy of the ARRL Newsletter*

## CLUB INFO

### **PUBLIC SERVICE**

Warminster Parks & Recreation Golf Outing – Monday, October 8, 2018 @ 9:00 am  
see George, N3HBT 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](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 2018

July – Field Day Recap – QSLing with Tony W3FLH

August – Radio Sport (Contesting) – Andy KD3RF, Irwin KD3TB, Bill K3FMQ

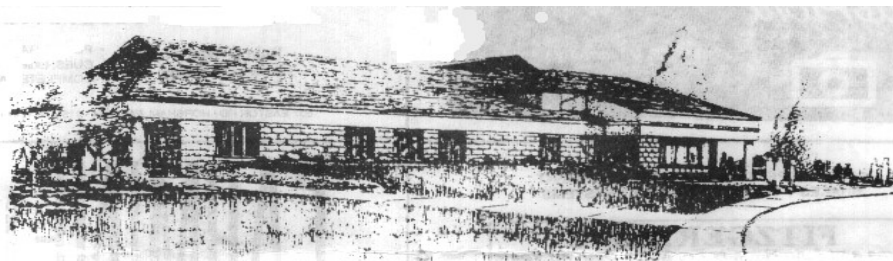
September – Home Brew

October – 'Force of 50' volunteer Phil Weber KH2EI

November – ARRL Night

December – Holiday Party

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

#### July

**14-15 [IARU HF World Championship](#)** 1200 UTC Saturday and ending 1159 UTC Sunday

#### August

**4-5 [222 MHz and Up Distance Contest](#)** 1800 UTC Saturday and ending at 1800 UTC Sunday

**18-19 [10 GHz & Up – Round 1](#)** 6:00 AM local Saturday though 12:00 midnight local Sunday

**19 [Rookie Roundup – RTTY](#)** 1800 UTC through 2359 UTC

#### September

**8-10 [September VHF](#)** 1800 UTC Saturday and runs through 0259 UTC Monday

**15-16 [10 GHz & Up - Round 2](#)** 6:00 AM local Saturday though 12:00 midnight local Sunday

**29-30 [EME - 2.3 GHz & Up](#)** 0000 UTC on Saturday through 2359 UTC Sunday

### 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](mailto:wa3ylq@arrl.net).

**Philadelphia, PA,** Testing is done on the 4th, non holiday Thursday of the month at the, Community Ambulance Association of Ambler, 1414 E Butler Pike, Ambler PA 19002 at 7:00 PM We also are testing on Saturdays at least once per quarter at 9:00 AM. For further information contact James McCloskey at [jmccloskey@msn.com](mailto:jmccloskey@msn.com) and by phone 215-275-2979.

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

### ➤ ATLANTIC DIV. HAMFESTS ➤ 2018

**July 14 - Valley Forge Hamfest**  
Kimberton Fire Company Fairgrounds  
762 Pike Springs Road  
Phoenixville, PA 19460  
<http://www.marc-radio.org>

**July 28 - CVARC HAMFEST 2018**  
CVEMA Showgrounds  
1501 Crider's Church Road  
Chambersburg, PA 17201  
<http://www.w3ach.org>

**August 4 - READING RADIO CLUB HAMFEST**  
Heritage Park  
992 Clematis Street  
Sinking Spring, PA  
<http://readingradioclub.org>

**August 19 - JSARS HAMFEST BY THE SHORE**  
Riverwood Park  
100 Riverwood Drive  
Toms River, NJ 08753  
<http://jsars.org>

**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, Jacek Ostrowski KC3HXF

**Area Repeaters**

**VHF**

- 145.310 R.F. Hill
- 145.350 Doylestown R.C.
- 146.790 Penn Wireless
- 145.330 Hilltown
- 146.670 DVRA
- 146.685 Holmesburg
- 146.925 Willingboro
- 147.000 Ham Buegers
- 147.030 Phil-Mont
- 147.090 Warminster
- 147.270 Frankford
- 147.300 BEARS
- 147.390 CBRA

**220**

- 224.580 PackRats
- 223.76 K3NAL

**UHF**

- 442.650 DVRA
- 443.250 TAG
- 443.050 Metro-Comm
- 443.950 Warminster
- 444.200 BEARS
- 447.475 WR3B
- 448.225 Penn Wireless
- 444.759 RF Hill Analog/Fusion

**D-STAR**

- 146.61000 K3PDR DV
- 445.18125 K3PDR DV
- 445.01875 AA3E Montco RACES

**6 Mtr**

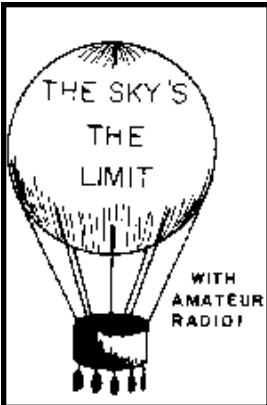
- 53.030 WA3BXW
- 53.230 N3DQZ
- 53.320 K3MFI

*The Warminster Amateur Radio Club  
Announces Free Ham Radio Instructional Classes*

If you're interested in Ham Radio, or think you might be, this is your opportunity. Perhaps you'd like to learn about digital communications, 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.

Fall session will be Tech and General beginning the second Monday in September from 7:00pm-9:00pm

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



**Bucks County Amateur Radio Emergency Service (BCARES)**

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

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

Winlink Gateway Stations:

Lower Bucks NY3J-10 145.530 Bensalem

**Net Schedules**

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

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

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

- E-Mail to:  
**wa4ywm@comcast.net**  
Or via snail mail to:  
**FEEDBACK EDITOR**  
**Warminster Amateur Radio Club**  
**Box 113**  
**Warminster, Pa 18974**
- Use both upper and lower case letters.
- Use your program's spell check.
- If you don't have a computer, then typewritten sheets are o.k. but please use both upper and lower case.
- Put your name and call at the beginning or end of the article, and show credits if you are using material from another source.
- Deadline for articles is the Saturday before the regular meeting.

**For general club correspondence:**  
**k3dn@k3dn.org**

**Visit our Home Page at:**  
<http://www.k3dn.org>

**The annual dues rate structure is as follows:**

**Full Member:           \$ 20.00**  
**2nd FamilyMember: \$ 10.00**  
**Student:               \$ 10.00**  
**Alumni:                 \$ 10.00**

- **Are your dues current ?**

**2018 Officers**

**Executive Officers**

President	George Acker	KC3ESH	215-815-7783
Vice-President	Jacek Ostrowski	KC3HXF	215-343-1899
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	Tony Cuttone	W3FLH	267-679-9297

**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	Norm Miles	AB3ZZ	
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