



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

August 2017

Next Meeting August 3rd - Receiving signals from Jupiter

President's Message

Summer is moving along at quite a pace, so I hope everyone is enjoying it while it's here. Of course, on the radio front, the bands have not been very cooperative as late, limiting the amount of activity on the air. Maybe it's Mother Nature's way of getting us hams outside while the weather's nice?

Summer tends to be a slow time for WARC, as well. Our major undertakings (Hamfest, Field Day) are behind us, contest season has yet to get under way, and our Board members have been seated for another year. There is one new addition to our leadership ranks, and we would like to welcome Jacek KC3HXF to his new role as Membership Chair, transitioning those duties from our VP George KC3ESH. With 135 current members, and new ones joining every month, this is an active position, and generally the first point of contact for our new members. We thank Jacek for stepping up for the club, and know he'll do a fantastic job!

We are in the planning stages of another kit building session, sometime in the Fall. We will be looking for input on the type of kit for the build (RX/TX, Transceiver, shack accessory, etc.), and gauging the interest level to see how many participants to expect. If you are interested in this activity, there is an ongoing conversation on our Yahoo Group, and you are encouraged to join in and give us some feedback on the ideas proposed thus far. We'll have more information for you as we hash out the details.

This month's presentation will be from Laura KC3GWL on her project to receive radio signals from Jupiter! This was the driving force for her to get her ticket, and is a prize-winning demonstration. Come out and learn more about this interesting aspect of radio, and get some insight into what drives one of our younger hams.

de Tony, W3FLH

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WARC General Membership Meeting Minutes July 7th, 2017

Attendance:

Call to order: *Tony W3FLH not in attendance George KC3ESH*

Pass the mic

Minutes from last Board Meeting

Additions/Corrections - Motion made and minutes approved as presented.

Committee Reports

Treasurer's Report: *Herb KB3VMN not in attendance. Bill K3FMQ reported*
As reported at the meeting

Programs: *George KC3ESH*

August – Receiving Jupiter/Laura KC3GWL

September – Home Brew Night

October – ARRL Night

November – Contesting/Tim K3LR (via Skype)

December – Holiday Dinner

Membership: *George KC3ESH*

133 current membership

Public Service: *George N3HBT*

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Nothing until October and the golf outing

Scott KB3ALX asked for volunteers to help with the Warrington Township Triathlon on Sunday, September 10, beginning at 7:00 am. The event will be held at the Mary Barness Pool. Please contact Scott about the details.

Classes: *George KA3W XV/Ron WB2O OB*

Starting the 2nd Monday in September for Tech and General

VE Testing: *Larry WA3ELQ not in attendance.*

George KC3ESH reported and filled in for Larry at the test session on Monday, June 26.

5 people tested all successful – 2 new techs and 3 upgrades to general

Next session will be July 31, 2017

Repeater: *Brian N3EXA*

Everything seems to be working fine.

Good and Welfare: *Vince KD3TC.*

Nothing new to report.

Other Committees

No other committees reporting

Old Business

Special Event: Union League/W3U - Joe AA3JH thanked everyone who came and worked the station and helped get the equipment and antennas set up. He reported that a good time was had by all and everyone enjoyed the teamwork displayed as we pulled contacts out of the mud. 73 contacts were made between 20 and 40 meters. We will be sending out certificates to all contacts made. Doc commented that he and the Union League were grateful for our participation.

Field Day – Recap (Doc W3GAD) – We had a successful Field Day. Doc W3GAD thanked everyone who stepped up to help with set up and teardown and work the bands. No final count on how many contacts we made, but we operated as 6 A. Doc W3GAD made mention that he would like to step down as Field Day chair for next year, but will be available to help the new chair next year.

New Business

New Membership Chair – Jacek KC3H XF – George KC3ESH will be stepping down as membership chair and Jacek KC3H XF has agreed to become the new Membership Chair. George will work with him over the next few months to transition.

Money Market Account – Herb KB3VMN – Tabled until next month's meeting

Motion to Adjourn

Motion made and meeting was adjourned at 7:49 pm.

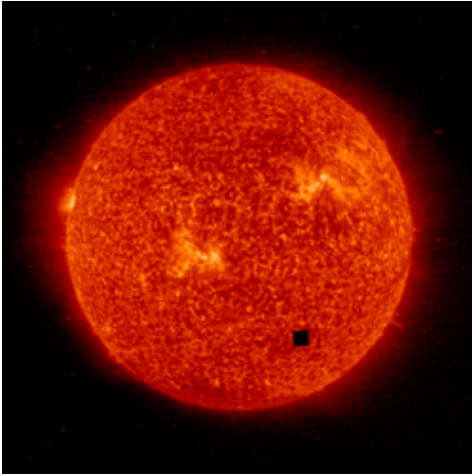
Presentation: Digital Modes, with Barry K3EUI

THE K7RA SOLAR UPDATE

Tad Cook, K7RA, Seattle, reports: All of the indicators we track fell last week. Because there were no sunspots in 6 of the 7 days in the July 20-26 reporting period, the average daily sunspot number dropped from 26.6 to 1.7. Average daily solar flux declined from 85.9 to 69.7. Average daily planetary A index dropped from 13 to 11.9, while the mid-latitude A index went the opposite direction, from 10.9 to 12.9.

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The latest predicted solar flux (as of July 26) shows 69, 70, 72, and 76 on July 27-30; 80 on July 31-August 2; 82 on August 3-11; 80 and 75 on August 12-13; 70 on August 14-25; 80 on August 26; 82 on August 27-September 1; 80 on September 2-4, and 82 on September 5-7.

The predicted planetary A index is 8 on July 27-28; 5, 6, 12, 10, and 8 on July 29-August 2; 5 on August 3-5; 25 and 10 on August 6-7; 5 on August 8-15; 15 on August 17-18; 12 and 8 on August 19-20; 5 on August 21-31; 25, 10, and 8 on September 1-3, and 5 on September 4-9.

A reminder: the Solar Eclipse QSO Party ([SEQP](#)) on Monday, August 21, 1400-2100 UTC, is a wide-ranging propagation experiment intending to observe what happens when the Moon blocks ionizing solar radiation from the ionosphere. It's sponsored by ARRL and HamSCI.

Sunspot numbers for July 20 through 26, 2017 were 0, 0, 0, 0, 0, 12, and 0, with a mean of 1.7. 10.7-centimeter flux was 70.2, 69.4, 69.5, 70.6, 70.1, 69.8, and 68.6, with a mean of 69.7. Estimated planetary A indices were 7, 14, 16, 14, 12, 9, and 11, with a mean of 11.9. Estimated mid-latitude A indices were 6, 13, 18, 16, 13, 9, and 15, with a mean of 12.9.

[Send](#) me your reports and observations.

Courtesy of the ARRL Newsletter

ARRL PRESIDENT ISSUES CALL FOR MEMBERS TO REACH OUT TO THEIR SENATORS TO SUPPORT S. 1534

ARRL President Rick Roderick, K5UR, is calling on League members to urge their US Senators to support the Amateur Radio Parity Act <<http://www.arrl.org/amateur-radio-parity-act>> of 2017, S. 1534. ARRL has opened a RallyCongress page <https://arrl.rallycongress.net/ctas/urge-us-senate-to-support-amateur-radio-parity-act> to simplify the task.

"[W]e are at a crossroad in our efforts to obtain passage of The Amateur Radio Parity Act," Roderick said. He said the campaign to secure passage of the bill scored a major victory earlier this year when H.R. 555 passed unanimously in the US House of Representatives. Obtaining passage of the companion Senate bill, S. 1534, is the final legislative hurdle.

"Now is the time for all hams to get involved in the process!" Roderick said. "Many of you already live in deed-restricted communities, and that number grows daily."

He urged radio amateurs now restricted by a homeowners association from installing effective outdoor antennas to visit the RallyCongress site and e-mail their two US senators. He also encouraged those not currently affected by deed covenants, conditions, and restrictions (CC&Rs) to support their fellow radio amateurs by doing the same.

"If you want to help create an opportunity -- not available before now -- for Amateurs who live in deed-restricted communities to install effective outdoor antennas on property that you own or lease, send these e-mails today!" Roderick said. "We need you to reach out to your senators today. Right away."

S. 1534 was introduced in the US Senate on July 12, marking another step forward for this landmark legislation. Senators Roger Wicker (R-MS) and Richard Blumenthal (D-CT) are the Senate sponsors. The measure will, for the first time, guarantee all radio amateurs living in deed-restricted communities governed by a homeowners association (HOA) or subject to any private land-use regulations, the right to erect and maintain effective outdoor antennas at their homes, while protecting the aesthetic concerns of HOAs.

Courtesy of the ARRL Newsletter

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MANY SPECIAL EVENTS WILL BE ON THE AIR TO MARK THE TOTAL SOLAR ECLIPSE IN AUGUST

Radio amateurs from several states will gather in southern Illinois on August 17-21 to operate special event station W9E <<http://w9e.w9ry.com/>>, leading up to and during the 2017 solar eclipse on August 21. W9E, which will operate from Marion, Illinois, is one of several announced solar eclipse special events.

"This will be the first total eclipse on American soil since 1991, the first on the mainland United States since 1979, and the first to sweep across the entire country since 1918. It will be an event you do not want to miss!" the W9E announcement said. "The far southern tip of the state of Illinois is the only place viewers can see the totality of the eclipse."

W9E plans to operate on 80, 40, and 20 meters (and perhaps other bands, if conditions permit), on CW, SSB, and digital modes (JT65, JT9, and PSK31). All amateur operators visiting the area for the eclipse are invited to visit. A copy of your license and photo ID are required to operate. Amateur Radio license testing also will be offered during the event.

While the W9E special event is under way, organizers are planning a joint exercise with ARESÂ Illinois District 11 Emergency Coordinator W. Bruce Talley, WA9APQ, hoping not only to assist with local communication during the eclipse but to coordinate with other ARES groups as the eclipse travels from northwest to southeast.

"Our plan is to be proactive and ready to respond as needed," said Talley. "Local volunteers and those from outside the area are welcome to sign up in the database <<http://w9ry.com/w9e/simple-contact-form-1/contactform.php>>. We are especially interested if you are coming to the area to view the eclipse and know where you will be stationed."

Solar Eclipse QSO Party

The Solar Eclipse QSO Party (SEQP <<http://www.hamsci.org/seqp-rules>>), sponsored by HamSCI <<http://www.hamsci.org/>>, will take place on August 21, 1400 to 2200 UTC.

As the August 2017 QST article "The Solar Eclipse QSO Party -- Are You Ready?"

<<http://www.arrl.org/files/file/QST/This%20Month%20in%20QST/August2017/Silver.pdf>> explains, "The objective...is to flood the airwaves with contacts, all measured by the automated receiver networks of the Reverse Beacon Network, PSKReporter, and WSPRNet. When those observations are combined with the logs from individual stations, the result will be one of the largest ionospheric experiments ever performed."

Other Total Eclipse Special Events

- The South Dakota's Black Hills Amateur Radio Club in South Dakota plans to operate special event K0E <<http://www.w0blk.com>> on the day of the eclipse, August 21, 1500-1930 UTC, from Harrison, Nebraska.

Operation will be on 20 meters (14.260-14.280 MHz) and on VHF and UHF. Contact <w0re@coldfrog.com> Bob Ewing, W0RE, for more information.

- The Near Zero Sunlite, Great American Eclipse N0S special event will take place August 20-22, 1400-2200 UTC, in Crystal City, Missouri, sponsored by the Jefferson County Amateur Radio Club <<http://www.jcarcmo.org/>>. Operation will be on or about 3.850, 7.250, and 14.300 MHz. QSL with SASE to Jim Berger, WA0FQK, 131 Ozark Dr., Crystal City, MO 63019.

- K7E will be on the air for the Great American Total Solar Eclipse 2017 special event, August 21-22, 1500-0300 UTC, from Laramie, Wyoming, near the path of totality, on or about 7.183 and 14.256 MHz. QSL Perry Lehman <n7fst@icloud.com>, N7FST, 19828 N. 78th Ln., Glendale, AZ 85308.

- The North East Wyoming Amateur Radio Association (NEWARA <<http://newara.org>>) will field special event W7S from historic downtown Gillette, Wyoming, August 19-21, 1200-0600 UTC, on or about 3.945, 7.265, and 14.265 MHz as well as on 147.360 MHz. QSL to Garth Crowe <WY7GC@ARRL.NET>, WY7GC, P.O. Box 2208, Gillette, WY 82717.

<https://www.nasa.gov/sites/default/files/thumbnails/image/usa_eclipse_map.jpg>

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- The Lincoln County Amateur Radio Club (LCARC <<http://www.n7oy.org/>>) will operate special event N7E, August 20-22, 1600-1900 UTC, from Newport, Oregon, on or about 3.820, 7.200, 14.245, and 28.350 MHz. Contact Michael Eastman <choirboy1953@gmail.com>, N7ONP.
- Total Solar Eclipse special event N9E will be on the air on August 21, 1400-2000 UTC, from Hopkinsville, Kentucky, 7.180-7.190 MHz. Contact Peter Herman <<http://www.qrz.com/db/kd9vv/>>, KD9VV.
- The Lewis and Clark Radio Club (LCRC <<http://k9ham.org/>>) will operate special event K9HAM from Godfrey, Illinois, on August 21, 0900-1700 UTC, on or about 7.225 and 14.280 MHz. Contact <K9HAM@K9HAM.ORG> the LCRC for more information.
- In North Carolina, the Greater Gaston Amateur Radio Society (GGARS <<http://www.ggars.org/>>), will be on the air as N4S from Lexington, South Carolina, on August 21, 0000-1900 UTC, on or about 7.180 and 3.895 MHz. QSL to Robert Wells <w7csa@yahoo.com>, W7CSA, QSL. Robert Wells, 409 Elizabeth St., Gastonia, NC 28054.
- The Southern Illinois University Amateur Radio Club (SIUARC <w9uih.rso.siu.edu>) will sponsor W9S, August 18-22, 0000-2359 UTC, from Fulton, Illinois, CW on 160 meters and all modes on 80 through 10, with a focus on the lower bands. Satellites and 6 meters are also possible. QSL to Martin A. Schuette, N9EAT, P.O. Box 29, Fulton, IL 61252.
- Ole Virginia Hams Amateur Radio Club (OVHARC <<http://www.w4ovh.net/>>) will sponsor W4E from Lexington, South Carolina, on August 21, 1500-2015 UTC, on or about 3.810, 7.230, and 14.263 MHz and 146.52 MHz FM simplex. QSL to Terry Erlacher <kc4dv@arrl.net>, KC4DV, 10855 Felicia Ct., Manassas, VA 20110.

This may not be a comprehensive listing. Search the ARRL Special Events Calendar <<http://www.arrl.org/special-event-stations>> for total eclipse special event operations.

Courtesy of the ARRL Newsletter



New FT8 Mode Included in WSJT-X Beta Release

A beta release of [WSJT-X](#), version 1.8.0-rc1, includes a new FT8 mode, featuring a faster turnaround, and it's already showing up on the bands. According to the [notes](#) for the candidate release, FT8 offers "sensitivity down to -20 dB on the AWGN channel," and contacts four times faster than JT65 or JT9. An auto-sequencing feature offers the option to respond automatically to the first decoded reply to your CQ.

The beta WSJT-X also offers a new mode for accurate frequency calibration of your radio, improved CAT radio control, and enhanced JT65, QRA64, and MSK144 decoder performance.

According to [The Daily DX](#), on July 11, Frank Donovan, W3LPL, reported what he called "lots of semi-rare DX activity" using the new FT8 mode. He mentioned A92AA, OY1DZ, VR2XMT, and YE2IJ on 40 meters, and TR8CA and YI3WHR on 20 meters. -- Thanks to [The ARRL Contest Update](#) and [The Daily DX](#)

Courtesy of the ARRL Newsletter

HAM Radio Classes in the Fall of 2017 – Starting September 11th

Morse Code is no longer required for HAM Radio licenses

If you're interested in Ham Radio, or think you might be, this is your opportunity. Perhaps you'd like to learn about digital communications, VHF, UHF, satellite, or perhaps you'd rather sit down and chat with someone in South Africa, Russia, Great Britain or in the space station.

Technician classes will be taught by **Ron Small WB2OOB** starting September 11th for 6 Mondays in a row from 7 to 9 pm

General classes will be taught by **George Altemus KA3WXV** starting September 11th for 8 Mondays in a row from 7 to 9 pm

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

NEW HAARP RESEARCH CAMPAIGN TO BEGIN IN SEPTEMBER

Last February, many HF listeners across North America and elsewhere were able to copy signals from Alaska's High Frequency Active Auroral Research Program (HAARP <<http://gi.alaska.edu/haarp-0>>) during its first scientific research campaign since it was taken over by the University of Alaska Fairbanks (UAF) geophysical Institute in 2015. UAF Space Physics Group Assistant Research Professor Chris Fallen, KL3WX, told ARRL this week that the next HAARP research campaign, which will get under way in mid-to-late September, will carry on the experiments begun during the previous campaigns. This time, though, even more listeners may be able to hear HAARP.

"Similar to the February campaign, I plan to inform listeners of selected experiment activities, allowing hams and SWLers to tune in and collectively participate," Fallen said. "One notable difference from the previous campaign is that another column of transmitter shelters at HAARP will be operational, both increasing the HAARP net transmitted power to 80% of its nominal 3.6 MW and increasing its antenna gain."

In advance of the September scientific campaign, HAARP will hold an open house <<http://www.gi.alaska.edu/haarp>> on August 19. "Throughout the day there will be talks by Geophysical Institute researchers on site about the HAARP facility and research, and other research topics pursued at the UAF Geophysical Institute," Fallen said. "As in the previous year, tours of the main transmitter array, control center, and power generation plant will be offered throughout the day. Hams and radio enthusiasts are encouraged to bring their equipment for photo opportunities or even to make contacts from the site."

Fallen's February experimental campaign at HAARP included an audio broadcast, transmitting AM carriers and even some music on or about 2.8 and 3.3 MHz, with the resulting skywave signal consisting of a mix of both frequencies. He followed that with an "artificial aurora" experiment. Fallen is working under a National Science Foundation grant <https://www.nsf.gov/awardsearch/showAward?AWD_ID=1702328&HistoricalAwards=false>.

He has posted additional information on his "Gakona HAARPoon 2017" blog <<https://sites.google.com/alaska.edu/gakonahaarpoon/tune-in>>. Follow HAARP on its official Facebook page <<https://www.facebook.com/pg/UAFHAARP/>> or via Twitter (@UAFHAARP).

Courtesy of the ARRL Newsletter

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.

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 2017

August – Receiving signals from Jupiter w/Laura KC3GWL

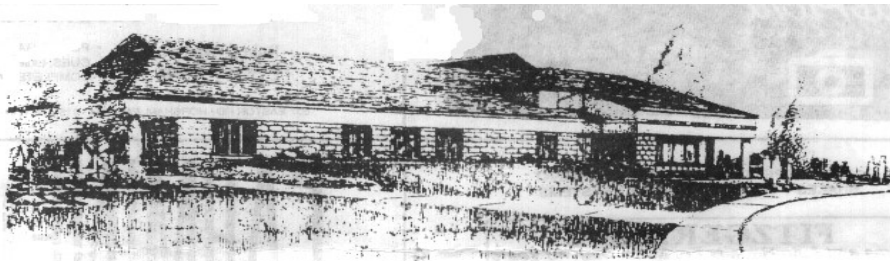
September – Home Brew Night

October - ARRL Night - Bob Famiglio, K3RF, Vice Director Atlantic Division

November - Contesting from DX Engineering – Tim K3LR Skype call

December - Holiday Dinner

The Club Station - K3DN - is located at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. The station is open for club members and the interested general public on the first Thursday of the month (meeting night) between the hours of 6:30 and 7:30 pm. with the exception of the December dinner meeting . The station is fully operational on HF (80 meters through 10 meters) both phone and CW. There is an assortment of amateur radio shareware which may be copied under the shareware licensing agreement.



For additional information on the Club Station please call the Station Manager N3HBT - George at 215-443-5656.

➤ WARC Meetings are held the first Thursday of each month at 7:30 pm at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. Talk in is available on the 147.09 & 443.950 repeaters.

2017 Contest Calendar

AUGUST

222 MHz and Up Distance Contest - August 5-6

1800 UTC Saturday and ending at 1800 UTC Sunday

10 GHz and Up - August 19-20

6:00 AM local Saturday through 12:00 midnight local Sunday

(RTTY) Rookie Roundup! - August 20

1800 UTC through 2359 UTC

SEPTEMBER

EME - 2.3 GHz & Up - September 9-10

0000 UTC on Saturday through 2359 UTC Sunday

September VHF - September 9-11

1800 UTC Saturday and runs through 0259 UTC Monday

10 GHz & Up - Round 2 - September 16-17

6:00 AM local Saturday through 12:00 midnight local Sunday

QSO Parties

Maryland-DC 1600Z, Aug 12 to 0400Z, Aug 13 and 1600Z-2400Z, Aug 13

Solar Eclipse 1400Z-2200Z, Aug 21

Hawaii 0400Z, Aug 26 to 0400Z, Aug 28

Kansas 1400Z, Aug 26 to 0200Z, Aug 27 and 1400Z-2000Z, Aug 27

Ohio 1600Z, Aug 26 to 0400Z, Aug 27

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 2017 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 ➤ 2017

August 5 - READING RADIO CLUB HAMFEST

Heritage Park
992 Clematis Street
Sinking Spring, PA
<http://readingradioclub.org>

August 27 - JSARS Hamfest by the Shore

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

September 10 - New Jersey State Convention

Gloucester County 4-H Fairgrounds
235 Bridgeton Pike (Route 77)
Mullica Hill, NJ 08062
<http://w2mmd.org>

September 16 - Delaware Valley Radio Association Hamfest

West Windsor Community Park
Bernt Midland Blvd.
West Windsor, NJ
<http://www.w2zq.com/>

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

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 Bueggers
- 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

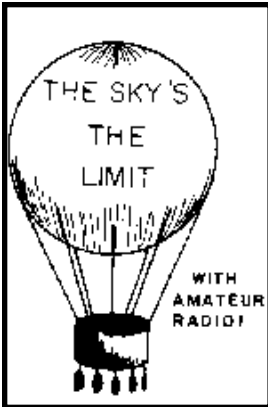
- 53.030 WA3BXW
- 53.230 N3DQZ
- 53.320 K3MFI

*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.

Technician classes will be taught by **Ron Small WB2OOB** starting September 11th for 6 Mondays in a row from 7 to 9 pm

General classes will be taught by **George Altemus KA3WXV** starting September 11th 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	2100	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 ?

2017 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	Richard Luce	AG3L	215-441-8264
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 17	Doc Whitticar	W3GAD	215-968-6397
Hamfest 17	Michael Shanblatt	W3MAS	267-491-5773
Hamwear	Kathy Acker	KC3FBY	215-815-7978
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Jacek Ostrowski	KC3HXF	
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	Richard Luce	AG3L	215-441-8264
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