



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

May 2017

Next Meeting May 4th - Elections/Hamfest Prep

President's Message

This month's meeting will be WARC's annual election of officers, an important meeting for every club member. The Board, comprised of the Executive Officers, four Directors and the Past President, conduct the club business, make decisions for the club, are the primary points of contact for most outside agencies, and generally set the tone for the direction the club is heading. As a Board, we strive to take into account the best interests of the club as a whole when making any decisions, stay forward-looking to maintain the club's relevance, and coordinate the events that keep the club active – all integral to keeping WARC vital and fresh. We encourage any interested club members to become a part of the discussion by running for office, attending our General and Board meetings (both of which are open to all members), and giving us your feedback on how we're doing. We are open to your comments and suggestions, and are always looking for new faces to get involved and help guide the club into the future.

Our trip to ARRL HQ on April 4 went off without a hitch, and a great time was had by all. 23 total attendees made the trip to Newington, including a good number from outside clubs, who got to enjoy the hospitality and camaraderie that makes WARC one of the area's greatest radio clubs. Everyone in attendance had an opportunity to operate the stations at W1AW, tour the facilities, and grab a little swag from the League before heading home. The overwhelming sentiment was that we should do it again, and this time sooner than 5 years between trips – stay tuned for more info...

Our Hamfest/EPA Section Convention is rapidly approaching (Sunday, May 7), and Michael W3MAS has the logistics under control. We have several guest speakers lined up to give seminars (a first for our club), and will be hosting several League delegates, as well as attending to the regular contingent of commercial vendors, indoor and outdoor sellers, and being Bucks County's main gathering place to catch up with friends old and new to chat about ham radio. We've had a great response from our membership regarding volunteers, but more is always better in these circumstances, so please try to make time to help in any way you can – especially for clean up on Sunday afternoon, when everyone is running out of steam and some fresh hands are most welcome! We will be making putting the finishing touches on the coordination at May's meeting, and would love to see you come out and give Michael your info so he can add you to the list.

de Tony, W3FLH
73

WARC General Membership Meeting Minutes April 6, 2017

Attendance:

Call to order – *Tony W3FLH*

Introductions – pass mic

Minutes from last Board Meeting

Additions/Corrections – Minutes approved with no additions/corrections

Committee Reports

Treasurer's Report: *Bill K3FMQ*

As reported at the meeting

Programs: *George KC3ESH*

May – Elections/Hamfest Prep

June – Pizza Night/Field Day prep/Special Event (W3U) prep

July or October – Repeater system with Brian

August – Receiving signals from Jupiter w/Laura KC3GWL

September – Home Brew Night

(Continued on page 2)

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Membership: *George KC3ESH*

New Member Applications – 1 new application this evening

Membership Update – 121 members, purged 45 members from the list

Public Service: *George N3HBT*

Need volunteers for March for Babies, Sunday April 30 in Tyler State Park. Meet at approximately 8:00 am until about 12-12:30pm. Sign-up sheet at the meeting.

Warminster Memorial Day Parade, May 29

June will again be the Hole in One golf outing at 5 Ponds Golf Course

July Radio controlled and drones at the Warminster Park

Michael, KB1JEY reported that Tour de Cure will be June 3, 2017. He will be contacting those who previously helped to provide Sag and communication support.

Classes: *George KA3W XV/Ron WB2OOB*

Tech and Extra classes are ongoing. Ron Small, WB2OOB is working on another weekend class session. Details to follow once set up.

VE Testing: *Larry WA3ELQ*

Next session will be Monday, April 24, 2017

3 candidates were successful at the March 27, 2017 test session

Repeater: *Brian N3EXA (not in attendance)*

All seems to be working

Good and Welfare: *Vince KD3TC* – A few cards were sent this month

Other Committees – nothing to report

Old Business

Thank you to all who helped with stamping and labeling postcards for the Hamfest.

ARRL HQ Trip Recap (Tony W3FLH) – Tuesday, April 4, 2017 – Trip was successful, a good time was had by all.

Everyone had a chance to work W1AW and take a tour of the headquarters.

Special Event – Union League/W3U (Tony W3FLH): June 17, 2017; W3U special event call sign for the entire weekend. The event will be published in QST. We are looking for operators and leads for setup and teardown needed.

Nominations for Club Officers (Bill K3FMQ) – Nominations will close on April 15. Will be using Constant Contact for elections. Nominees are as follows

President – Tony W3FLH

Vice President – George KC3ESH

Secretary – Kathy KC3FBY

Treasurer – Herb KB3VMN

Larry WA3ELQ & George N3HBT as elected directors

New Business

WARC Apparel for Hamfest – Motion was made and membership approved to spend up to \$1,000 for polo shirts for the Hamfest volunteers.

Field Day, June 24 and 25, 2017. Working on confirming location at the Shrine of Our Lady of Czestochowa.

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We have 20 meters, 40 meters and VHF confirmed.

Motion to Adjourn

Meeting adjourned at 8:08pm

WARC Trip to ARRL HQ (4/4/17)

On Tuesday, April 4, 2017, Warminster Amateur Radio Club sponsored a trip to ARRL Headquarters in Newington, CT. A contingent of 23 hams, including several guests from the Montgomery County ARC (MCARC) and Delaware Valley Radio Association (DVRA), boarded a Hagey motor coach and set out from the Ben Wilson Senior Center in Warminster at 6:00am that morning, arriving at ARRL HQ just after 11:30am, where we were greeted by HQ Staff and volunteer guides. After signing in, the guides divided us into three smaller, more manageable groups: the first headed across the parking lot to the most famous amateur station in the world – W1AW – where they were given a quick tour of the building and took their turns operating the magnificently maintained station, while the other two groups began their tours of HQ itself.

While there, we were introduced to the ARRL staff, and got to meet the people behind the names and call signs we see every month in QST – we even had the opportunity to see the next edition of QST coming together! Whether it's the incoming/outgoing QSL bureaus, the club liaison office assisting the thousands of ARRL-affiliated clubs across the country, or the DXCC and card-checking operations, the staff at HQ is bustling and hard at work on our behalf. Some of us brought QSL cards to be checked, and at least one of the attendees had their Worked All States (WAS) award printed and signed on the spot! It's always good to get to meet the people that make the hobby more enjoyable, and the staff at ARRL HQ is no exception.

One of the highlights of the tour, and an area that always captivates everyone present, is the ARRL Laboratory. The Lab is staffed by a group of knowledgeable, curious and active hams, and they are constantly devising better test methods to keep us fellow hams current on the best (and worst) equipment available in today's market. Lest you think they are only concerned with the "latest and greatest", the Lab staff also maintains a small museum of historic rigs, from the spark days, thru the tube era, and into some early and important solid state gear. They also take on the occasional restoration project, such as the Gates AM broadcast transmitter they had rescued from a defunct local radio station. The Lab staff are currently working to restore the transmitter back to original condition, and intend to get it back on the air – albeit up a few Kc – as an 80m rig!

The group crammed a lot of activity into our three hour window, as HQ, though small in size, is quite a lot to take in within a single visit. For some of us, it was our second time visiting as part of the club trip, and some are already looking forward to our next one! Everyone had an opportunity to operate one of the positions at W1AW, although the bands were less-than-cooperative. Even with marginal conditions, the thrill of operating from one of the meticulous studios, and activating that famous call sign, is an experience that every ham should have the chance to enjoy.

By 3:00pm, we were ready to start our journey back home, recounting our experiences, and sharing our favorite and most memorable highlights from the trip. Everyone enjoyed themselves, and we had the opportunity to meet and share "war stories" with fellow amateurs, sharing a common bond of our love of ham radio.

We offer many thanks to everyone at ARRL HQ, who were hospitable and accommodating to a fault, and made our trip memorable. Special thanks to Diane KB1RNF, who facilitated our trip, and Norm W3IZ, who made time for some of his hometown hams to lead one of our groups. Of course, many thanks to our volunteer guides Gary NQ1G & Skip W1FTE, and Bob WB1GCM and the Lab staff, for answering the myriad of questions we threw at them, and certainly Joe NJ1Q for maintaining the excellent facilities at W1AW. And we'd be remiss if we didn't thank the entire ARRL HQ staff, too many to name, that went out of their way for us, and showed what the true spirit of amateur radio is all about. We're lucky to have these great people on our side, working to keep ham radio healthy and vital.

-Tony Cuttone, W3FLH

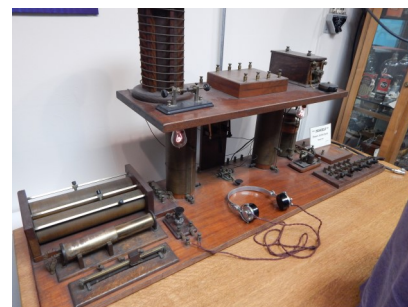
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ARRL TRIP PHOTOS

(For all photos got to:

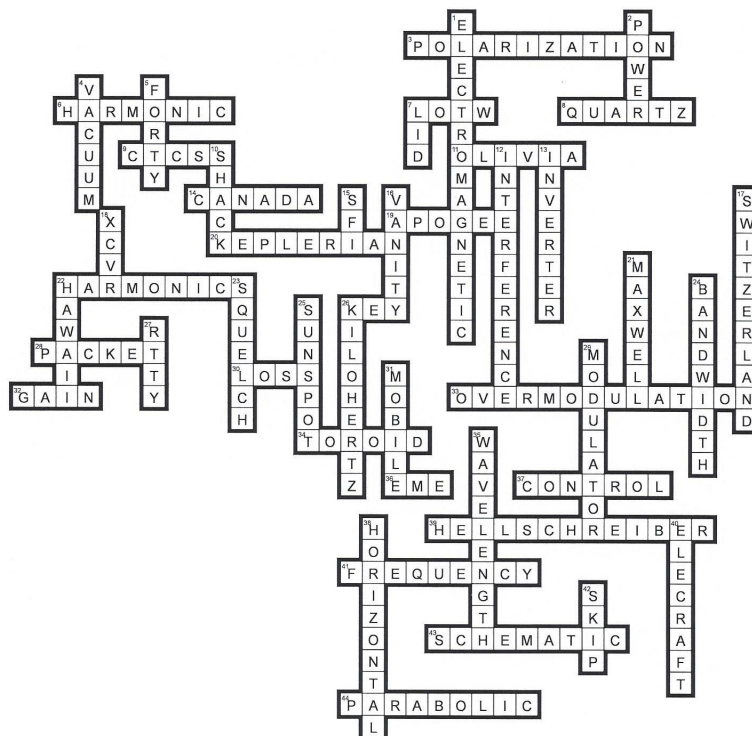
<https://drive.google.com/drive/folders/0B6-i7cfv5ayLaEtmQjR2bmJOX2c?usp=sharing>)



ANSWERS TO APRIL PUZZLE

April 2017

KD3TB



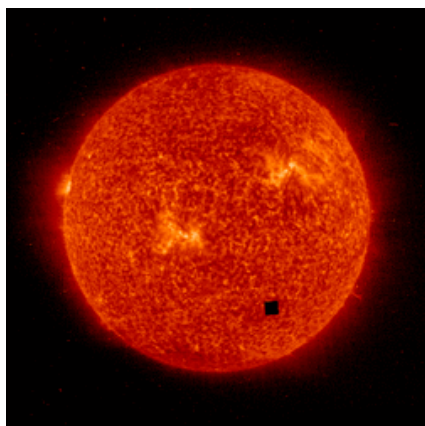
EclipseCrossword.com

The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Each of the average solar and geomagnetic indices rose during the April 20-26 reporting week, compared to the previous 7 days. The average daily sunspot number rose from 8.6 to 35.7, and the solar flux rose from 76.5 to 81.4. The average daily planetary A index went from 8 to 26.4, and the average daily mid-latitude A index rose from 6.3 to 18.4.

The day with the most geomagnetic activity was April 22, when the planetary A index was 54. On the same date, Alaska's College A index (near Fairbanks) was 86.

The predicted planetary A index is 10, 8, 5, and 8 on April 27-30; 14, 10, 8, and 10 on May 1-4; 15 on May 5-6; 8 on May 7-8; 5 on May 9-14; 8 and 15 on May 15-16, and then into a more active period at 30, 25, 45, 50, and 30 on May 17-21. Then 20 on May 22-24; 15, 8, 5, and 20 on May 25-28; 10 on May 29-31; 15 on June 1-2; 8 on June 3-4, and 5 on June 5-9.



Predicted solar flux values are 80 on April 27; 81 on April 28-29; 80 on April 30 and May 1; 79 on May 2-3; 78 on May 4; 75 on May 5-14; 80 on May 15-18; 85 on May 19-24; 80 on May 25-28, and 75 on May 29-June 10.

Sunspot numbers for April 20 through 26, 2017 were 26, 39, 29, 43, 41, 36, and 36, with a mean of 35.7. The 10.7-centimeter flux was 80.7, 82.2, 83.6, 82.5, 80.2, 81.3, and 79.6, with a mean of 81.4. Estimated planetary A indices were 30, 19, 54, 41, 20, 12, and 9, with a mean of 26.4. Estimated mid-latitude A indices were 20, 11, 37, 24, 19, 10, and 8, with a mean of 18.4.

Courtesy of the ARRL Newsletter

Armed Forces Day Crossband Military/Amateur Radio Communications Test is May 13

The US Army, Air Force, Navy, and Coast Guard will sponsor the traditional military/amateur radio communication tests on Saturday, May 13 to mark the 66th annual Armed Forces Day (AFD). Armed Forces Day is May 20, but the AFD Crossband Military-Amateur Radio event will take place a week earlier in order to avoid schedule conflicts with those attending Hamvention.

Complete information, including military stations, modes, and frequencies, is [available](#) on the US Army MARS website.

The annual celebration is a unique opportunity to test two-way communication between radio amateurs and military stations (authorized under §97.111 of the Amateur Service rules). It features traditional military-to-amateur crossband SSB voice, CW, practice using legacy interoperability waveforms, and the opportunity for participating hams to utilize more modern military modes, such as MIL-STD Serial PSK and Automatic Link Establishment (ALE). Military stations and Amateur Radio stations are authorized to communicate directly on certain 60-meter interoperability channels — 5,330.5, 5346.5, and 5,371.5 kHz.

These tests give Amateur Radio operators and shortwave listeners (SWLs) a chance and a challenge to demonstrate individual technical skills and to receive recognition from the appropriate military radio station. QSL cards will be available for stations successfully contacting participating military stations.

AFD Message

The Armed Forces Day message will be transmitted via Military Standard radioteletype modes (MIL-STD 188-110A/B). [Software](#) is available to demodulate the military serial PSK waveform, and detailed instructions can be downloaded. Utilizing this mode with soundcard equipment can be challenging; review the instructions carefully.

A short practice transmission will be sent at 1930 and 2330 on May 6, 7, 10, and 12 on 13.506.5 MHz USB and 17.443.0 MHz USB.

Military FSK is Baudot at 850 Hz, 75 baud, low mark, and 2000 Hz center. Most RTTY programs can be set to decode this mode. To achieve low mark while receiving in USB, select reverse shift.

QSL cards are available for individuals that receive the Armed Forces Day test message. To receive a card, copy the printed text of the test message as received from the military station, and include it in your report. No attempt should be made to correct possible errors.

Stations copying Armed Forces Day messages transmitted from US Army and US Navy stations and requesting a QSL card, can [complete](#) the QSL report form online. Stations copying the Armed Forces Day message transmitted from US Air Force stations and seeking a QSL card should send a request to Armed Forces Day Celebration, Chief, Air Force MARS, 203 W. Losey St, Scott AFB, IL 62225.

Include a transcript of the received text, time observed, frequency observed, military station call sign, your full name and Amateur Radio call sign (if applicable), full mailing address (including ZIP code).

Automatic Link Establishment

Stations with Automatic Link Establishment ([ALE](#)) capability can contact a military station on specific half duplex crossband channels established for this purpose. ALE is a selective calling and linking method utilized by government, military, and amateur radio communications. Military stations will scan and receive certain amateur HFLINK ALE frequencies and transmit on the corresponding military ALE frequency. Military stations will also transmit ALE station identification (soundings) on each military frequency at 30- to 90-minute intervals. Amateur stations may scan military frequencies and monitor the soundings to build the LQA database or select the channel manually. Amateur stations will call military stations using ALE selective calling on one of the paired cross band channels.

Announced AFD Special Operations

NEPM on board the USS *Iowa* (BB61) will be on the air for its first annual Armed Forces Day Crossband Military/Amateur Radio Communications Test. The Battleship Iowa Amateur Radio Association ([BIARA](#)) and qualified Pacific Battleship Center crew members will activate NEPM.

The Potomac Valley Radio Club ([PVRC](#)) and the [US Naval Academy Radio Club](#) will operate NSS on the site of the 1918 Naval Radio Transmitting Station on Greenbury Point in Annapolis, Maryland, across the Severn River from the US Naval Academy.

Other Navy Stations scheduled to be on the air include NIIW, USS *Midway*, San Diego; NWKJ; NWKJ, USS *Yorktown*, Charleston, South Carolina, and NWVC, *LST-325*, Evansville, Indiana.

Courtesy of the ARRL Newsletter

Article Links Amateur Radio Growth to Emergency Communications

An April 11 [article](#), "Emergency Communications Driving Increase in Amateur Radio Operators," in *Emergency Management* magazine links the growth in Amateur Radio numbers to interest in emergency communications.

"There has been a tremendous amount of interest in emergency preparedness since 9/11 and Katrina, and this is true for the Amateur Radio community as well," ARRL Emergency Preparedness Manager Mike Corey, KI1U, told the publication. "Emergency communications is a gateway into Amateur Radio, and many join our ranks through an interest in being better prepared themselves and as a way to serve their community."

The article cites numbers from ARRL VEC Manager Maria Somma, AB1FM, who notes that 2016 was the third year in a row that the total number of new licenses exceeded 30,000.

The article also cites ARRL Colorado Section Manager Jack Ciaccia, WM0G, who agreed with the premise that the uptick in new licenses is due to Amateur Radio's emergency capabilities.

"Interest really peaks after a large-scale event where ham radio has been utilized," Ciaccia said. "When regular phone service fails, Amateur Radio operators fill the communications gap with their independent transceivers and battery power backups," said the article, which also discusses the Amateur Radio Emergency Service (ARES).

Courtesy of the ARRL Newsletter

ISS Packet System Returns to VHF



The Amateur Radio on the International Space Station (ARISS) packet digipeater system is again operating on VHF -- 145.825 MHz. The failure of an Ericsson handheld VHF transceiver on board the ISS last fall had caused ARISS to shift packet operation to 70 centimeters. In February, a cargo resupply mission delivered a new Ericsson 2-meter handheld to replace the one that had failed, which had been used in the Columbus module for school group contacts and for Amateur Radio packet.

While the VHF transceiver was offline, ARISS shifted school contacts from NA1SS to the Kenwood TM-D710 transceiver in the Russian Service Module. NASA ISS Ham Project Coordinator Kenneth Ransom, N5VHO, said the VHF capability now back in Columbus can be used in conjunction with passes involving the HamTV digital amateur television (DATV) system, which operates on 2.4 GHz.

ARISS International Chair Frank Bauer, KA3HDO, said recently that ARISS continues to make progress on the development of the new interoperable radio system on the ISS "that we hope to use to replace our aging radio infrastructure in the Columbus module and the Service module."

Packets digipeated in a valid APRS format via the ISS system and picked up by an internet gateway station are documented on the "Amateur Radio Stations heard via ISS" page. -- Thanks to Kenneth Ransom, N5VHO, ISS Ham Project Coordinator

Courtesy of the ARRL Newsletter

CLUB INFO

PUBLIC SERVICE

Warminster Memorial Day Parade, May 29.

Michael, KB1JEY reported that Tour de Cure will be June 3, 2017.

June will again be the Hole in One golf outing at 5 Ponds Golf Course.

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 call sign 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

May – Elections/Hamfest Prep

June – Pizza Night/Field Day prep/Special Event (W3U) prep

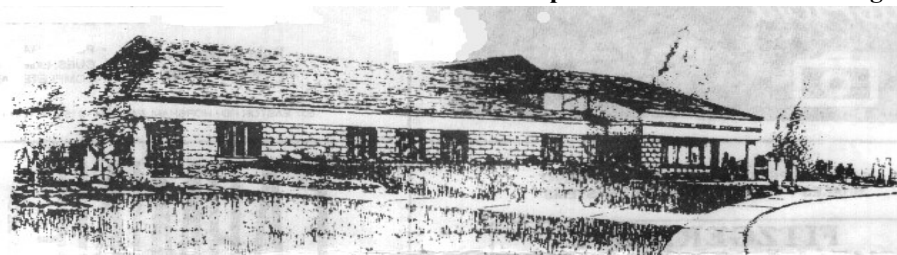
July or October – Repeater system with Brian

August – Receiving signals from Jupiter w/Laura KC3GWL

September – Home Brew Night

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

JUNE

VHF Contest - June 10-12

Begins 1800 UTC Saturday, runs through 0259 UTC Monday

Kids Day - June 18

1800 UTC through 2359 UTC

Field Day - June 24-25

1800 UTC Saturday and running through 2059 UTC Sunday

JULY

[IARU HF World Championship](#) - July 8-9

Beginning 1200 UTC Saturday and ending 1200 UTC Sunday

QSO Parties

Indiana 1500Z, May 6 to 0300Z, May 7

Delaware 1700Z, May 6 to 2359Z, May 7

New England 2000Z, May 6 to 0500Z, May 7 and 1300Z-2400Z, May 7

Arkansas 1400Z, May 13 to 0200Z, May 14

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

May 7 - Eastern PA Section Convention (Warminster Amateur Radio Club - Hamfest)

Bucks County Community College - Lower Bucks Campus

1304 Veterans Highway

Bristol, PA 19007

<http://www.k3dn.org>

May 28 - Memorial Weekend Hamfest

Howard County Fairgrounds 2210 Fairgrounds Road West Friendship, MD 21794

<http://www.marylandfm.org>

June 10 - 27th Annual Bloomsburg Hamfest

Lime Ridge Community Center 6405 4th Street Lime Ridge, PA

<http://www.qsl.net/cm-arc/hamfest.htm>

June 17 - CVARC HAMFEST 2017

Cumberland Valley Engine & Machinery Association (CVEMA) Show Grounds

1501 Criders Church Road Chambersburg, PA 17201

www.w3ach.org

June 18 - BARC's Father's Day Hamfest

Arcadia Volunteer Fire Company Carnival Grounds 16020 Carnival Avenue

Upperco, MD 21155

<http://www.w3ft.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)

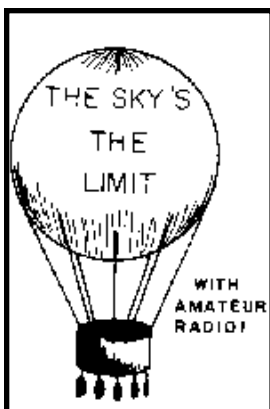
Fairless Hills, PA (many remote access locations throughout Bucks County)

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>



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.

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.

➤ **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 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 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	Bill Ballantine	K3FMQ	215-766-0764
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	George Acker	KC3ESH	215-815-7783
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			
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