



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

August 2016

Next Meeting August 4th - Chile Radiotelescope - Derrick Pitts of Franklin Institute

President's Message

Summer's under way, and it's a good thing we've all got plenty of things to do. The sunspot numbers and solar indices are doing us no favors, and band conditions have been bad at best, miserable-to-unusable at worst. That's OK, it gives us a good reason to step away from the mic & key, get outside and enjoy fresh-grilled goodies and cold beverages with family and friends! What do you have planned for the summer?

As things have quieted down on the club activity front, let me take some space to thank all of our club members who contributed to making our two biggest events of the year, Hamfest & Field Day, incredible successes! Each of these had their own logistical challenges, and you not only persevered but shone brightly in volunteering your time, efforts and expertise to help both events run smoothly, and ensure they were enjoyed by all attendees. A special thanks once again to Mike WJ3O (Hamfest) and Doc W3GAD (Field Day), with an assist from Mark AA3K, for the great jobs they did Chairing their respective events, and leaving big shoes to fill for next year!

Last month, I mentioned that we had landed a "big fish" for the November presentation. As has now been announced, Bob Allison WB1GCM, ARRL Product Review Engineer, will be giving a presentation on the What's, Why's and How's of the product reviews and testing you see each month in QST. This is guaranteed to be an interesting presentation, and we urge you to stay and attend. Also, we have quite another catch this month, as Derrick Pitts, Chief Astronomer at the Franklin Institute, will be giving us a presentation on his recent trip to Chile and their ALMA radio telescope, as well as other fascinating stories. Both are "can't miss" opportunities!

Don't forget to get your nominations in for the WI3Y Outstanding Ham of the Year award. We've already received a few nominations, and the Board will be deciding on the recipient soon.

de Tony, W3FLH
73

Meeting Minutes WARC General Membership Meeting, July 7, 2016

Attendance:

Call to order – *Tony, W3FLH*

Minutes from Last Meeting – Approved as printed in Feedback

Committee Reports

Treasurer's Report – *Bill, K3FMQ* – as reported at the meeting.

Programs – *Vinny, K3VJP (not in attendance)*

- August – Radio Telescope with Derrick Pitts from the Franklin Institute
- September – Homebrew Night
- October – Open
- November – Understanding HF Transceiver Data with Bob Allison from ARRL lab
- December – Holiday Dinner

Membership – *George, KC3ESH*

- Total of 136 members
- Please don't forget that the sign-in sheet is at the front door table

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Public Service – George, *N3HBT*

Hatboro Moonlight Madness Car Show, Saturday, July 30, 12:30 pm to 5:00 pm. Sign-up sheet at the meeting, looking for 10-12 volunteers.

Golf Outing part 2 at Five Ponds is scheduled for Columbus Day in October with a 9:00 am morning start.

MS150 City to Shore Bike Ride is in need of operators. 75-mile ride to Ocean City, NJ. This is a 2-day event, Saturday and Sunday, September 24-25, but do not need to volunteer for both days. The need 125 operators and currently are 60 operators short. Need SAG wagons and people to man rest stations. If interested see Jim, WA4YWM for more information.

Classes – George, *KA3WXV*

Tech classes will resume on September 12 for 8 weeks on Monday nights. General classes will begin at the same time. Classes are free, but need to purchase books from ARRL, we have a few available.

Extra classes are probably slated for the spring.

VEC Testing – Larry, *WA3ELQ*

Session held on Monday evening, June 27, 8 people attended, 6 successful a couple extras with 1 going from none to extra.

Next session July 25. No session in August.

New question pool for Extra begins July 1.

Repeater – Brian, *N3EXA* (*not in attendance*)

Clock is correct. Repeater working.

Other repeaters in the area are having issues

Good and Welfare – Vince, *KD3TC*

Sent out some cards this month

Email or call Vince if you know someone who needs a card

No other committees reporting.

Old Business

Kit Building – Tony, *W3FLH*. We have 17 kits available, Sign-up sheet is available at the meeting. Several people interested and have signed up with the date of September 24 looking good. Will need to monitor this date with the MS150 race to see if there is some crossover between the 2 activities. Elmers available to help you build.

Day trip to ARRL HQ – Tony, *W3FLH*. Looks like August 9 is the most preferred date. Sign-up sheet is available at the meeting. \$55 per person for transportation. Survey Monkey also out to see if there is additional interest. We need to have at least 40 people in order to make this happen. If you are going, you need to have a copy of your license with you to operator the station.

WI3Y Outstanding HAM of the Year Award – Tony, *W3FLH*. Just a reminder to send your nominations into the board. If you would like to nominate someone, send the board a note with the name of the person and the reason why you are nominating them. The vote will take place at the September board meeting and presented at our holiday party in December.

Two New Committees, Membership Levels and Redundancy

Membership Levels, George, *KC3ESH*, is just getting the group together.

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Redundancy, *Andy, KD3RF*, working with the individuals to determine the best backup for them.

Field Day Update – *Doc, W3GAD*. Everything went very well and had a good weekend even though the bands weren't cooperating. We were 4A, operating 15m, VHF, Solar, 80m, 10m, satellite and 20m. We had several visitors who worked the 20m tent, including some children. Thanks to everyone who helped make Field Day a success.

New Business

New Executive Board/Elected Director terms – As of July 1, the new term begins for the executive board and elected directors, everyone is incumbent except for *Kathy, KC3FBY*.

Survey Monkey – About a 50% response rate to the Refreshments survey and ARRL trip. Questions regarding our refreshments offerings, likes, dislikes, etc.

Estate Sales/Silent Auctions – *Andy, KD3RF*. We currently have 3 estates sales being evaluated. We will be working out the details with each and have a silent auction in August. *Andy, KD3RF*, also has a functioning laptop for someone who needs one. See Andy if interested.

Motion to adjourn at 8:20 pm.

Presentation: *VHF Weak Signal Operation* – *Michael KB1JEY & Rick K1DS*.

**Derrick Pitts from the Franklin Institute will give a presentation at the August 4 meeting.
He will talk about his trip to Chile and the radio telescope there.**

THE K7RA SOLAR UPDATE

Tad Cook, K7RA, Seattle, reports: We have fallen back to a period of zero sunspots that, so far, has lasted for 3 days. This followed a brief uptick in solar activity in the July 15-21 period. But the STEREO <http://stereo.gsfc.nasa.gov/> spacecraft website shows sunspots on the side of the Sun facing away from Earth, and these should drift back into view as our Sun rotates.

Comparing the July 21-27 period to the previous 7 days, the average daily sunspot number declined from 58.1 to 19.3, and the average daily solar flux dipped from 103.6 to 82.5. The average daily planetary A index went from 10.6 to 8.7, while the mid-latitude A index declined from 11.1 to 8.9.

Predicted solar flux from USAF and NOAA space weather observers is 70 on July 28 to August 4; 80 and 95 on August 5-6; 105 on August 7-16; 100, 90, 85, and 80 on August 17-20; 75 on August 21-22, and 70 on August 23-31. Solar flux then rose to 105 on September 3-10.

Predicted planetary A index is 12, 10, and 8 on July 28-30; 5 on July 31-August 2; 8, 20, and 15 on August 3-5; 10 on August 6-7; 20, 8, 12, 10, and 8 on August 8-12; 5 on August 13-14; 8, 12, and 5 on August 15-17; 8 on August 18-19; 5, 8, 15, 12, 8, 20, 12, and 8 on August 20-27; 5 on August 28-29; 20 on August 30-31; 15 on September 1, and 10 on September 2-3.

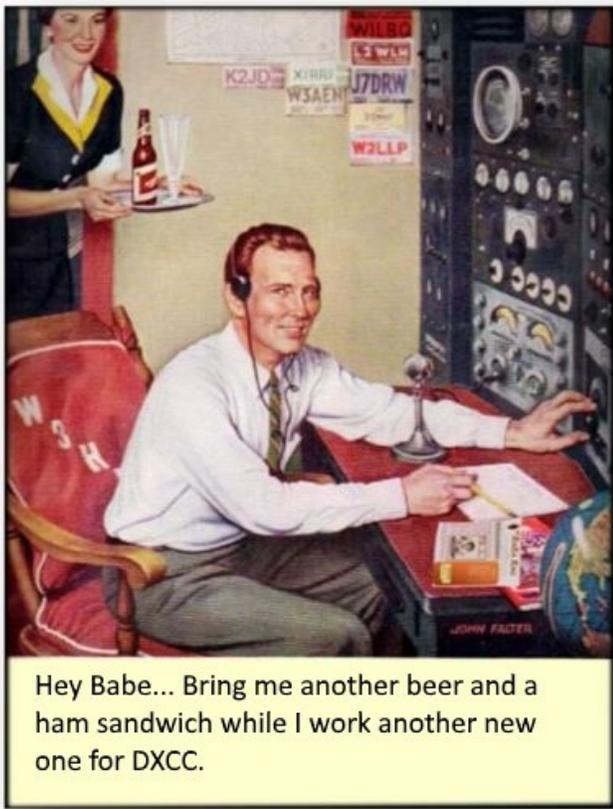
On July 28, 2016 the Australian Space Forecast Centre issued a geomagnetic disturbance warning, predicting the possibility of elevated geomagnetic activity due to the expected arrival of a high-speed solar wind stream from a coronal hole. The Center predicted unsettled to active, possible minor storm periods for July 28, and quiet to unsettled for July 29, with possible active periods. Sunspot numbers for July 21 through 27 were 49, 36, 34, 16, 0, 0, and 0, with a mean of 19.3. The 10.7 centimeter flux was 100.1, 90.4, 86.2, 82.2, 73.6, 73.5, and 71.6, with a mean of 82.5. Estimated planetary A indices were 5, 8, 8, 14, 18, 5, and 3, with a mean of 8.7. Estimated mid-latitude A indices were 6, 8, 10, 12, 15, 7, and 4 with a mean of 8.9.

Send k7ra@arrl.net me your reports and observations.

Courtesy of the ARRL Newsletter

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AMATEUR ELECTRONIC SUPPLY CLOSING AFTER 59 YEARS IN BUSINESS

Amateur Electronic Supply (AES <<http://www.aesham.com/>>) will close its doors at the end of July after 59 years in business. No reason has been given for the decision to close the business. AES has been a premier player among Amateur Radio equipment retailers for decades, as well as a major presence at Dayton Hamvention® and other events. Various media outlets were informed of the closing in a brief e-mail message on July 6, but word of the closing has not yet appeared on the retailer's website or Facebook page.

"It's with great sadness that I have to tell you that Amateur Electronic Supply (AES) will cease operations at the end of this month," AES National Sales Manager Tom Pachner, W9TJP, said in an e-mail. An employee at the Milwaukee headquarters store, who did not wish to be identified, confirmed that the message was legitimate. It's believed that the AES staff was notified before the July 4th holiday weekend. In addition to the Milwaukee store, AES operates outlets in Cleveland (Wickliffe), Las Vegas, and Orlando.

Fond-du-Lac, Wisconsin, native Terry Sterman, W9DIA (SK), founded AES <<https://www.aesham.com/wp-content/uploads/2014/09/terrysterman.pdf>> in 1957 when he was just 18, after getting into the radio-TV business by working in his father's TV and electronics parts store. On January 1, 1998, ownership of AES shifted to Amateur Electronic Supply LLC, headed by Phil Majerus, a prominent Wisconsin businessman. Sterman died the following year at the age of 60, after a period of ill health.

For many years, the public face of AES was its Executive Vice President Ray Grenier, K9KHW, who oversaw marketing and advertising for the retailer from 1964 until his retirement in 2013. Grenier nearly singlehandedly produced the famous AES catalog, as well as magazine ads. For about 20 years, he also organized the well-received AES Superfest, a promotional effort begun in 1995 that grew into a hamfest.

In April, the AES Superfest hosted the 2016 ARRL Wisconsin Section Convention.

Many radio amateurs reacted to the news on various online forums, expressing surprise, sadness, and dismay, and saying they would miss AES. A few reminisced about having bought their first radios from AES.

Courtesy of the ARRL Newsletter

Ham Radio Outlet to Acquire Some AES Employees, Re-Open Milwaukee Location as HRO Branch

Ham Radio Outlet ([HRO](#)) has announced plans to hire an unspecified number of Amateur Electronic Supply ([AES](#)) employees when AES shuts down its four locations in late July. In addition, the current AES Headquarters store in Milwaukee will become HRO's newest location later this summer, following renovation. On July 1, AES announced that it was going out of business and ending retail operations at its Milwaukee, Las Vegas, Cleveland, and Orlando locations. With the approval of AES management, HRO senior managers visited each AES location to interview staffers in hopes of "acquiring some of the Amateur Radio retail employee talent in each of the current AES locations," an HRO news release said.

"Together with this interview process, HRO examined what it would take to perhaps acquire one or more of the AES store locations. At the time of these interviews, many opportunities were explored with current AES senior management," the release continued. "We are very excited to announce that HRO was successful in providing offers of employment to a number of soon-to-be-former AES employees, and that to some, we have offered positions that involve HRO-sponsored and funded relocation." HRO announced that once AES shuts its Milwaukee location at 5710 W Good Hope Road on July 28, Ham Radio Outlet will undertake an extensive remodeling project to create a new HRO Milwaukee store at the same site, which will open at the end of August.

"It is with great pleasure that we are able to continue Terry Sterman's and Phil Majerus' legacy of providing a fantastic Amateur Radio store in Milwaukee, Wisconsin," said HRO President Robert Ferrero, W6KR. "It is our immediate goal to have the largest, most well-stocked Amateur Radio retail store in North America and perhaps even the world."

After AES closes on July 28, all former AES locations' direct and toll-free telephone numbers will be redirected to the closest HRO location, and the AES website will be directed to HRO's website.

A family-owned business, HRO is the world's largest Amateur Radio dealership, with locations from New England to the West Coast.

Courtesy of the ARRL Newsletter

Amateur Radio Parity Act Receives Favorable House Energy and Commerce Committee Report

An [amended version](#) of the Amateur Radio Parity Act, [H.R. 1301](#), received a unanimous favorable report on July 13 from members of the US House Energy and Commerce Committee. The bill now will go to the full House for consideration. Before reporting the bill out of committee, the panel first voted to accept the amended language, "in the nature of a substitute." Rep Greg Walden, W7EQI (R-OR), who chairs the Energy and Commerce Committee's Subcommittee on Communications and Technology, said the substitute bill represented "a good balance" that came in the wake of months of meetings, hard work, and compromise, and he recommended the measure to his colleagues.

"The amendment guarantees that even in deed-restricted communities, Amateur Radio operators are able to use an effective outdoor antenna," Walden said. "Without an effective antenna Amateur Radio operators are severely limited, so this amendment ensures that amateurs are free to pursue their passion wherever they live."

At the same time, he continued, the measure protects the rights of those "who have chosen to live in deed-restricted communities and to set their own aesthetic and other rules."

In early June, the ARRL and the Community Associations Institute ([CAI](#)) -- the national association of homeowners associations (HOAs) -- announced that they had reached consensus on substitute language for HR 1301 in an effort to move it through committee and to overcome objections to the companion US Senate bill, [S 1685](#). The offices of US Representatives Adam Kinzinger (R-IL), the bill's sponsor, Anna Eshoo (D-CA), and Walden mediated and offered assistance.

"While it's rare to have two groups with opposing viewpoints walk away from legislation happy, by golly, I think we've done it here," Walden concluded. He said the substitute bill represented "the best of what our committee can do when we work together in bipartisan compromise that meets the needs of all parties involved."

In her remarks, Eshoo said she was glad that an agreement had been reached on the bill's language, which she initially feared would violate the rights of homeowners associations. "We found a balance that works for all stakeholders," she said, calling the ARRL and CAI "the bookends of the effort."

Kinzinger called the amended bill "a good amendment that strikes the right balance."

Courtesy of the ARRL Newsletter

AMATEUR RADIO PLAYS KEY ROLE IN MAJOR FEMA EARTHQUAKE DISASTER EXERCISE

Amateur Radio played a major role in meeting the objectives of the June 6-10 Cascadia Rising 2016 Federal Emergency Management Agency (FEMA) exercise in the Pacific Northwest. In the exercise scenario, a magnitude 9.0 earthquake and consequent tsunami has struck the Pacific Northwest, causing a blackout of all conventional communication channels -- a natural opening for Amateur Radio to step in. ARES/RACES organizations in Oregon and Washington were heavily involved, and ARRL Headquarters was also in the loop. Upward of 500 Amateur Radio volunteers in Washington, Oregon, and Idaho took part in the exercise.

Success of the exercise depended in large part on Amateur Radio point-to-point communication.

"Amateur Radio operators not only provided communications continuity for Emergency Management Agencies, they worked with the Washington State Patrol, Washington State Guard, Washington National Guard, and the Federal Aviation Agency," ARRL Western Washington Section Manager Monte Simpson, AF7PQ, said in his Western Washington Section after-action report, released this week. Simpson is also Washington's State RACES Officer. He said radio amateurs supported approximately 32 city, county, state, tribal, and federal agencies during the event.

"We were able to support all our served agencies and clients," Simpson recounted. "Volunteers were able to provide communications support on location and during the planned participation period." He said US Amateur Radio responders established cross-border communication with the emergency operations center in Langley, British Columbia, which was holding its own province-wide exercise, Coastal Response.

"Overall, our objectives of being able to communicate with external agencies via voice and Winlink were achieved," Simpson said. "It was great to be able to participate in an exercise of this magnitude to get a feeling for what it would be like to have this many people trying to send and receive data. All of our operators felt this was very beneficial."

Simpson said that including Amateur Radio as "an actual functional part" of Cascadia Rising was a big plus, and that the participants felt they were "actually part of the team and not some auxiliary group that was being tolerated."

Among his recommendations, Simpson said there should be more standardization on language and forms, as well as coming up with a method of establishing contact with communities that lack communication if repeaters go down. He also advised that ARES and RACES teams exercise their equipment on a regular basis, to avoid unexpected outages and failures during a real-world event.

Courtesy of the ARRL Newsletter

TRANSMITTING MUSIC, FAILURE TO IDENTIFY

The FCC has issued a Notice of Violation (NoV <https://apps.fcc.gov/edocs_public/attachmatch/DOC-340363A1.pdf>) to a California Amateur Radio licensee, alleging that he caused willful and malicious interference, transmitted music, and failed to identify properly. The FCC Enforcement Bureau said in the Notice, issued on July 13 to Philip J. Beaudet, N6PJB, of Burney, that agents from the San Francisco, California, and Portland, Oregon, offices observed the violations on four occasions in August and October 2015. A General class licensee, Beaudet formerly held the call sign WD6FGE.

FCC agents responding to an interference complaint used direction-finding techniques to pin down the source of an interfering signal on 3908 kHz to Beaudet's residence. They also observed and recorded transmissions of music on 3908 kHz from Beaudet's amateur station. The agents said that while they were monitoring and recording, the station's assigned call sign was not transmitted at the end of each communication.

The Enforcement Bureau said the Notice does not preclude it from taking further action, if warranted, including issuing a Notice of Apparent Liability for Forfeiture with respect to the cited violations.

The Bureau gave Beaudet 20 days to respond in writing to "fully explain each violation, including all relevant surrounding facts and circumstances."

Courtesy of the ARRL Newsletter

CLUB INFO

PUBLIC SERVICE

Golf Outing part 2 at Five Ponds is scheduled for Columbus Day in October with a 9:00 am morning start.

MS-150 City to Shore bike run. Sept. 24 - 25. For more info, Contact Jim WA4YWM.

CLUB STATION

The WARC club station is open to anyone with an interest, on Tuesday evenings between the hours of 7:00 and 9:00 pm. 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 \$5 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 2016

August - Chile Radiotelescope - Derrick Pitts of Franklin Institute

September – Homebrew Night

October - Using QRZ.com

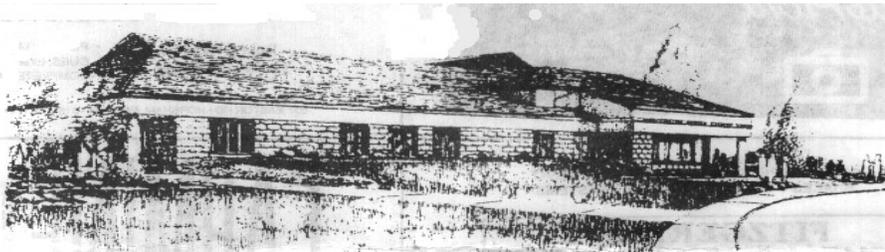
November - Understanding HF Transceiver Data from QST Product Reviews, What do these values mean? - Bob Allison ARRL

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 non-holiday Tuesday evenings from 7 to 9 pm . 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.**



2016 Contest Calendar

AUGUST

10 GHz & Up

August 20-21, Operations may take place for 24 hours total on each contest weekend. Each weekend begins at 6:00 AM local Saturday though 12:00 midnight local Sunday.

Rookie Roundup (RTTY)

August 21, 1800 UTC through 2359 UTC.

SEPTEMBER

September VHF

September 10-12, Begins 1800 UTC Saturday and runs through 0259 UTC Monday

10 GHz and Up

September 17-18, Operations may take place for 24 hours total on each contest weekend. Each weekend begins at 6:00 AM local Saturday though 12:00 midnight local Sunday.

QSO PARTIES

Maryland-DC 1600Z, Aug 13 to 0400Z, Aug 14 and 1600Z-2400Z, Aug 14

Hawaii 0400Z, Aug 27 to 0400Z, Aug 29

Kansas 1400Z, Aug 27 to 0200Z, Aug 28 and 1400Z-2000Z, Aug 28

Ohio 1600Z, Aug 27 to 0400Z, Aug 28

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 2016 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, Monthly, RF Hill ARC. 3rd Monday at the Indian Valley Library. Charles Schmell, KB3CEZ, 215-257-6368 days 215-538-7458 evenings.

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 first non-holiday Tuesday 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

➤ ATLANTIC DIV. HAMFESTS

➤ 2016

August 6 - READING RADIO CLUB HAMFEST

Heritage Park

992 Clematis Street

Sinking Spring, PA

<http://www.readingradioclub.org/>

August 21 - Carroll County Tailgate Fest

Sportsman's Hall Skating Rink

15500 Hanover Pike

Upperco, MD 21155

<http://www.qis.net/~k3pzn>

September 11 - 38th Annual Gloucester County ARC Hamfest

Gloucester County 4-H Fairgrounds

235 Bridgeton Pike (Route 77)

Mullica Hill, NJ 08062

<http://www.w2mmd.com>

September 24 - DVRA 2016 Hamfest

West Windsor Community Park

167 Princeton Hightstown Road

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, Vinny Porcaro K3VJP
 215-493-0783

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

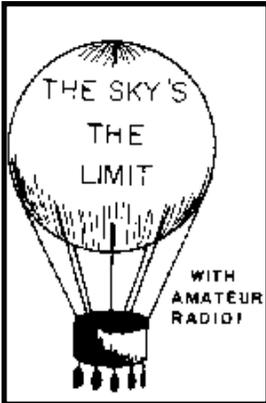
D-STAR

- 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.

Tech classes will resume on September 12 for 8 weeks on Monday nights. General classes will begin at the same time.

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 ?**

2016 Officers

Executive Officers

President	Tony Cuttone	W3FLH	267-679-9297
Vice-President	Vinny Porcaro	K3VJP	215-493-0783
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)	Jim Elmore	WA4YWM	215-538-1889
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
Arll 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 16	Doc Whitticar	W3GAD	215-968-6397
Hamfest 16	Mike Karabin	WJ3O	215-317-4029
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	KC3DYT	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	Vinny Porcaro	K3VJP	215-493-0783
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