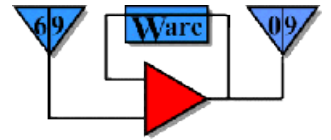




FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

April 2013

Next Meeting April 4th, 2013 – Antennas

President's Message

As I write this month's Presidents Message we are experiencing another late March snow storm.....will winter ever end? At least I don't feel guilty about spending time in front of the radio, versus doing outside early spring chores. Dx'ing seems to be pretty active lately with TX5K, Clipperton and 9M4SLL, Spratly having now finished and T2YY/T2TT - Tuvalu still running pretty strong. March also featured some excellent contests with the BARTG RTTY contest earlier in the month and the CQWW WPX SSB contest scheduled this coming weekend. The ARRL Rookie Roundup, SSB, is on Sunday, April 21 from 1800 - 2359 UTC. Any operator licensed any time during 2013, 2012 or 2011 qualifies as a Rookie. Rules can be found on <http://www.arrl.org/rookie-roundup>.

The sun seems to be taking a break with the SFI dropping back down again. The current Solar Sunspot count is 45 with a Solar Flux Index of 96 (<http://www.wm7d.net/hamradio/solar/index.shtml>). Look at 20 Meters as being a good band during Daylight hours and 40 Meters seems to be pretty active to Europe at night. My hopes are fading for any serious activity on 10 meters this year. We are still pretty close to the vernal equinox, so look for good North-South propagation around dawn and dusk.

Warminster Amateur Radio Club has once again been designated as a Special Services Club by the ARRL, The National Association for Amateur Radio. A separate announcement can be found in the Feedback. Our thanks to all of our members who help us achieve this honor.

Our April presentation features Joe, AA3JH, on antenna's. This should be a presentation of interest to everyone, from the new ham, casual listener to even those with small antenna farms. You do not need an extensive antenna set up to have fun and work Dx. This week I received an award from ARRL for winning 1st Place Single Operator, Unlimited Category in Delaware, in the 2012 ARRL SSB DX Contest. All I have at this townhouse near the Delaware Beaches is a vertical antenna in the woods. When I lived in Singapore in 2007, my entire antenna existed of a wire being dropped from the balcony of my apartment on the 14th floor. I worked over 650 stations, primarily on PSK31 throughout Europe, Asia and even the US with this simple antenna. You just need to get on the air and have some fun. To help you the club has both an MFJ Antenna Analyzer and Coax Cable Crimping Tool for loaner to club members.

Obviously innovation is alive and well when it comes to new digital modes on HF bands. A new RTTY program that works with the N1MM contest software called 2Tone has created a lot of interest from the RTTY contesting group. At the same time have been reading with interest the emails on WARC Talk from Ron, NY3J on the new FreeDV digital voice mode (<http://freedv.org/tiki-index.php>) showing up on 20 Meters at 14.236. You will find an article by Steve Ford, W8IMY, on page 59 of the April QST. Thanks Ron for keeping us informed.

Hamfest season is starting soon with Timonium on April 6th and our WARC Hamfest on May 5th. This is an important fund raiser for the club and an opportunity for local hams to pick up needed accessories; even if we really don't need them. We need volunteers both on Saturday for set up and Sunday for the actual Hamfest. If you have not already done so, please sign up by contacting either Rich Luce (AG3L@K3DN.org) or at our meeting on Thursday night.

Last year we changed our club dues to an annual payment beginning in January. Our club allows members to pay either by Cash, Check or PayPal. It's only \$20 per year; much less than a pizza at a local restaurant or good bottle of wine. In addition, we now offer the opportunity to pay with a credit card at our meetings. If you have not done so, please renew your dues by either going to our club website www.k3dn.org or at the April meeting. The dues support our repeater system, refreshments at meetings, club station, Field Day and seed money for our Hamfest. If you have a question regarding your dues or club membership, please contact our membership team of Bill and Michelle at members@k3dn.org. If you have not renewed by the end of March, you will no longer be considered a member of WARC.

(Continued on page 3)

STATION OF THE MONTH - WA3ELQ


When I moved from Hatboro to Dresher last spring, I had to construct a shack in the new house. In one corner of the basement there was an area that my fiancée's brother-in-law had intended to be a photographic darkroom. Although he abandoned the project, the room he started to build quickly became the new home for WA3ELQ. Within about a month I was able to add the necessary electrical wiring, update the lighting, construct a table for the radio gear as well as a workshop table, and add a few finishing touches such as removing the unnecessary plumbing and hanging a new door. The radio gear and all the other ham materials soon followed.

The first picture shows the HF operating position. On the left is the Elecraft K3 with the P3 panadapter. Next is the Ameritron AL-811H amplifier, and the Drake MN-2000 antenna tuner. All power for the shack is provided by two switching power supplies seen behind the tuner. On the right of the picture is the computer used for both logging and for digital modes. Not seen on the left are the Kenwood TM-D700 for 2 meter and 440MHz FM operation and all of my HT's and their charging stations. Soon the ADI AR-247 for 220MHz FM will also be added.

In the second picture, under the dust covers on the left, are the Elecraft K2 and the transverters for 6m, 2m, 220MHz, and 432MHz sideband and CW. The rest of the picture shows the files, manuals, books, parts, tools, and assorted junk that take up a lot of space in the shack.

The third picture shows the workbench area, as well as shelves displaying some of the kit projects I have built. A few award certificates can be seen hanging on the wall to the right.

The shack, as well as the antennas in the yard, are a work in progress with a number of changes and improvements still in the planning stages.

Larry WA3ELQ

Remember to send us a picture of your Ham Radio shack to Jim , feedback editor. It's a great way to share your Ham Radio station with everyone.

See you at the April meeting.

Irwin KD3TB

MINUTES

The meeting was conducted by the President Irwin, KD3TB.

Introductions

The microphone was passes around. Forty five members present and one guest: Vitali, UV5XDJ.

Minutes of previous meeting

The minutes of the February meeting were approved.
Audio recordings of the meetings and presentations are available online at www.wi3z.com. Thanks to AI/WI3Z for providing this service to the WARC membership.

Committee Reports

Treasurer report - Frank, W3ESL

As reported.

Programs - Rich, AG3L

Show of hands survey for field trip to the SEPTA comm center and for hands-on soldering and connector mounting techniques seminar was favorable for both activities.
Tonight NADC museum - Mike McGuire
April Joe, AA3JH - Antennas
May Hamfest coordination

Hamfest - Rich, AG3L

Sign up sheet for volunteers I. The back of the room. Need five people for setup on Saturday.

Membership - Michelle, KB3MTW

There 47 members in arrears.
Yearly dues can be paid until the end of March 2013 by check or PayPal.
Any questions on membership should be directed to

Public Service - George, N3HBT

End of April -march of dimes at Tyler Park. Not finalized yet.
First Thursday in June is the 5 Ponds golf outing. Need 8-10 operators.
July 21 - Alex lemonade stand run in Doylestown. Not finalized yet.
November 17 - Bucks County marathon.
Thanksgiving Turkey Run
April 21 - Valley Forge revolutionary guard reenactment.

Classes - George, KA3WXV

Classes start on March 11, 2013. It will be a combined Technician/General session.
Classes run for 8 weeks, every second Monday of the month at 7:00-9:00 PM. Classes are free and textbooks are available at cost.

VE session - Larry, WA3ELQ

One new Technician and one upgrade.
VE sessions are held at the Ben Wilson center on the last Monday of the month at 6:30 PM except for the month of August.

Repeater - Brian, N3EXA

Repeater is working. Considering adding a 6m repeater located in West Rockhill in upper Bucks and owned by a club member.

Old Business

None.

New Business

The club has purchase a set of crimping tools. There is no cost for the members to use the tool except for the cost of the connectors.

The audio of the meeting including the presentation is available at www.wi3z.com

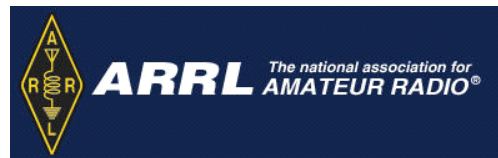
Submitted:

Bernie / AB3YZ, Club Secretary

March 29, 2013

Special Announcement: - Warminster Amateur Radio Club has once again been designated as a Special Services Club by the ARRL, The National Association for Amateur Radio.

**K3DN Warminster Amateur
Radio Club Inc.**



Special Services Clubs take an active role in creating a stronger, more active Amateur Radio presence in their area. It's an honor to earn this designation. At WARC we activity participate in a variety of ARRL activities including Field Day and ARRL Night, we offer new and advanced Amateur Radio Classes, conduct monthly VEC testing sessions, and work within the community by participating in both Public Service and Emergency Management activities. In addition, we have a club station, loaner testing equipment, Club Repeater - K3DN serving our community on 2 meter and 70 cm bands, and weekly nets. We maintain a website and have a monthly newsletter that offers a wide variety of information and links to other Amateur radio sites of interest. Our monthly meetings features topics of interest to our members by local speakers and our repeater is routinely used by Bucks County ARES for Emergency Management Activities. Our thanks go to all of our members who help WARC achieve this important designation.

W1AW CELEBRATES ITS 75th ANNIVERSARY

Looking at the cover photo on the April 2013 QST brought back some memories. In March 2010, and again in March 2012, members from the Warminster Amateur Radio Club made the pilgrimage up to Newington, Connecticut to visit W1AW. The building in the photograph is where the actual radio stations are located. It houses the best and most current amateur radio gear. This gear is donated by the various manufacturers and allows visitors to operate those famous \$10k rigs. There are three (3) commercial style studios which allows larger groups to be operating in all studios at the same time— but separate bands. The antennas are shown in the photo and are a dream.

I operated on 17 meters one year, and 40 meters on the other year and as soon as you put out the call “CQ CQ this is W1AW W1AW” you quickly create a pile-up with you being at the center of the bee-hive of buzzing stations all calling you. Fun!

For those of you who didn't have an opportunity to participate previously, March 2014 is just one year away. I know Doc / KA3RAU and I want to go back. If we can find 28 other persons willing to go on a road trip, then the trip is on. Typically spend a 12-hour day on a roadtrip up and back to Newington, Connecticut on a Hagey motor coach. The cost last time was about \$45 per person. The coach has airline type seating and leaves from the Ben



Wilson Center. It will be about a long 12-hour day, but the coach has WIFI and other diversions. There are videos online from the 2010 trip at: <https://www.youtube.com/watch?v=TWjkl8udS-0>
In addition we have a number of photos of the March 2010 trip up to ARRL Headquarters in Newington, Connecticut online at: <http://www.flickr.com/photos/48313022@N02/> So if you are interested, see Rich / AG3L or any board member.

SEPTA COMMUNICATIONS CENTER

We are also working on a local trip to 1234 Market Street in center city to visit the SEPTA Communications Center. No word yet on approval for the trip, but we spoke to the right folks at SEPTA. Fingers crossed.

SOLAR UPDATE

Tad Cook, K7RA, reports: Solar activity was down this week, with the average daily sunspot number at 49.6, less than half last week's figure. The average daily solar flux dropped 22 points to 97, and geomagnetic activity was quiet also. Sunspot numbers for March 21-27 were 60, 54, 56, 45, 56, 41 and 35, with a mean of 49.6. The 10.7 centimeter flux was 106.1, 100.9, 98.2, 96, 92.6, 92.4 and 93, with a mean of 97. The estimated planetary A indices were 12, 4, 11, 5, 4, 3 and 14, with a mean of 7.6. The estimated mid-latitude A indices were 11, 2, 10, 6, 3, 2 and 9, with a mean of 6.1. Look for more information on the ARRL website on Friday, March 29. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <<http://www.arrl.org/propagation-of-rf-signals>>.

Courtesy of the ARRL Newsletter

Solar Cycle 24 May Have “Double Peaks,” Says NASA Solar Physicist

According to NASA, the current solar cycle -- Solar Cycle 24 -- should hit its “solar max” sometime in this year, but so far, **solar activity has been relatively low**. According to an **article** by NASA’s Dr Tony Phillips, this period of quiet has led some observers to wonder if forecasters missed the mark. But solar physicist Dean Pesnell of NASA’s Goddard Space Flight Center has a different explanation: “This *is* solar maximum. But it looks different from what we expected because it is double peaked.” Pesnell noted similarities between the current cycle and Solar Cycle 14, which happened between February 1902 and August 1913 and experienced a double peak. If the two cycles are in fact twins, he said that “it would mean one peak in late 2013 and another in 2015.”

Solar activity tends to swing back and forth: At one end of a solar cycle, there is a quiet time with few sunspots and flares, while at the other end, solar max brings high sunspot numbers and solar storms. Even so, astronomers -- who have been counting sunspots for centuries -- have noticed that a solar cycle is not perfectly regular, with the swing in sunspot counts taking anywhere from 10-13 years to complete. In addition, the amplitude of each cycle can and does vary, with some solar maxima being very weak (such as Solar Cycle 6), while others can be very strong (such as Solar Cycle 19).

“The last two solar maxima, around 1989 and 2001, had not one but two peaks,” Pesnell explained. Phillips’ article explained how “solar activity went up, dipped and then resumed, performing a mini-cycle that lasted about two years.” Pesnell said that the same thing could be happening now. Even though sunspot counts jumped in 2011 and dipped in 2012, he said he expects them to rebound again in 2013: “I am comfortable in saying that another peak will happen in 2013 and possibly last into 2014.”

According to Phillips, solar activity in the Sun’s hemispheres does not always peak at the same time. “In the current cycle, the south has been lagging behind the north,” he said. He explained that if a second peak occurs, it will likely feature the Sun’s southern hemisphere displaying a surge in activity.

Pesnell is a member of the NOAA/NASA Solar Cycle Prediction Panel, a group of solar physicists that assembled in 2006 and 2008 to forecast the next solar max. “At that time, the Sun was experiencing its deepest minimum in nearly a hundred years,” Phillips’ article explained. “Sunspot numbers were pegged near 0 and x-ray flare activity flat-lined for months at a time.” The panel issued the following statement at the time, explaining its prediction:

“The Solar Cycle 24 Prediction Panel has reached a consensus. The panel has decided that the next solar cycle (Cycle 24) will be below average in intensity, with a maximum sunspot number of 90. Given the date of solar minimum and the predicted maximum intensity, solar maximum is now expected to occur in May 2013. Note, this is not a unanimous decision, but a supermajority of the panel did agree.”

But according to Pesnell -- given the lack of solar activity in February 2013 -- a maximum in May now seems unlikely. “We may be seeing what happens when you predict a single amplitude and the Sun responds with a double peak,” he said. -- *Thanks to NASA, Dr Tony Phillips and Science@NASA for the information*

Two Hams Scheduled to Head to ISS This Week

NASA will **televis**e the launch and docking of its next mission to the International Space Station (ISS) beginning at 3:30 PM EDT on Thursday, March 28 (1930 UTC). NASA astronaut **Chris Cassidy, KF5KDR**, and Russian cosmonauts **Pavel Vinogradov, RV3BS**, and Alexander Misurkin are scheduled to launch from the Baikonur Cosmodrome in Kazakhstan at 4:43 PM EDT (2043 UTC). They will join Canadian Space Agency astronaut **Chris Hadfield, VA3OOG/KC5RNJ**, NASA astronaut **Tom Marshburn, KE5HOC**, and Russian cosmonaut Roman Romanenko -- **already aboard the ISS** -- for **Expedition 35**.

It will take Cassidy, Vinogradov and Misurkin only six hours to reach the ISS. NASA will begin its live coverage of the docking at 8:30 PM (0030 UTC on Friday, March 29). The trio will dock at 9:32 PM (0132 UTC), and hatches are scheduled to open between the Soyuz and the ISS at 11:10 PM (0310 UTC).

Hadfield, Marshburn and Romanenko are scheduled to return to Earth in May 2013. Cassidy, Vinogradov and Misurkin are scheduled to return to Earth in September 2013.

You can watch live **online** on the NASA TV Public and Media channels, or on your television. Contact your local provider for the NASA TV channel in your area.

Courtesy of the ARRL Newsletter

Bob Bruninga, WB4APR, Takes APRS Underground

Bob Bruninga, WB4APR, led a group of radio amateurs earlier this month to Mammoth Cave -- the world's longest known cave system -- at **Mammoth Cave National Park** in Kentucky to test how the Automatic Packet Reporting System (**APRS**) can be used as a **means to extend radio communications underground**. "When used underground, VHF and UHF radios can only work within a few hundred feet of each other and only when in the line of sight of another radio," Bruninga explained. "This makes routine use of these radios of little value when underground; however, when APRS radios act as packet digipeaters, these few hundreds of feet can be extended by an order of magnitude." Bruninga, a senior research engineer at the US Naval Academy, developed APRS as a global, on-air protocol for supporting handheld position reporting and text messaging via VHF radio.

Bruninga's team used 14 APRS radios to establish a network that provided real-time position and text message communications along a route nearly a mile long in the cave. "Cavers carried a cave map that had a latitude and longitude grid so that they could know their exact coordinates when manually entering their position into their handheld transceivers," Bruninga said. "Texting via APRS provided communications end-to-end, and even included e-mail into the topside global APRS system." The team set up the APRS network in what Bruninga called "large subway-sized cave passages" that were 30-50 feet wide and 10-20 feet tall.

Bruninga said that extending the communications system along the cave was easy: "We would walk until we lost the signal, then back up 20-30 feet and set a digipeating APRS handheld transceiver on a rock and then keep going, repeating the process. This proved to be far more convenient than current methods, such as dragging along a World War II-era twisted pair phone line and Army field phones, or using HF and LF systems with their large antennas."

After going over the data from the cave test, Bruninga found two interesting facts: Even with the average link between each radio at 450 feet, UHF outperformed VHF by about 13 percent. In addition, power did not make much of a difference, with the APRS-compatible handheld transceivers performing as well as several portable 10 W mobile radios. "One of the advantages of using UHF for this APRS network was that individual links in other caves can just as easily be pre-tested by cavers without an Amateur Radio license by using an inexpensive Family Radio Service (FRS) radio," Bruninga noted. "This way, cavers can plan and individually test the topology of an APRS network before actually gathering the APRS equipment and setting up the actual expedition."

Bruninga said that APRS radios bring "a new range multiplier dimension to in-cave communication. In the past, a paltry few-hundred foot VHF/UHF radio range has not been impressive to cavers, but now with APRS, they can be linked up to 14 times in series, demonstrating some real potential for ham radio caving support. This is especially true when some of those few-hundred foot distances may take an hour or more to crawl, whereas APRS can get the message through at the speed of light."

Bruninga welcomes cavers who have VHF/UHF-range data experience with other types, sizes, shapes and humidity of cave passages to contact him via **e-mail**.

Courtesy of the ARRL Newsletter

CLUB INFO

PUBLIC SERVICE

End of April –March of Dimes at Tyler Park.
 First Thursday in June is the 5 Ponds golf outing. Need 8-10 operators.
 July 21 - Alex lemonade stand run in Doylestown.
 November 17 - Bucks County marathon.
 April 21 - Valley Forge Revolutionary 5-Mile Run.
 Thanksgiving Turkey Run

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

Attention all former WARC members. At the March 4, 1999 General Meeting, revisions to our club's constitution were approved that among other things, establishes a new Alumni membership category for former WARC members who are unable to attend meeting and Club activities on a regular basis due to health considerations or travel impediments. Dues for the Alumni membership were established at \$10.00 annually to cover the costs of printing and mailing our monthly FEEDBACK newsletter. Please contact co-chair Bill Strunk (K3ZMA) for more information.

ATTENTION MEMBERS

If you want to have your picture taken to be placed on the 'Members Photos' section of the www.k3dn.org website, please email Michelle at mal61@comcast.net with your interest. If we get enough people who are interested, I will pass the info on and then we will have camera ready at the following club meeting. Remember to bring your best face!"

The Membership Committee has badges and Club cards for you to pick up. If you do not have a Warminster Amateur Radio Club badge or card with your picture on it, please stop by and visit your Membership Chairs, Bill Strunk, K3ZMA or Michelle London - KB3MTW at the WARC monthly meetings. Otherwise, please contact Membership at: membership@K3DN.org. Thank you.

PROGRAMS

2013

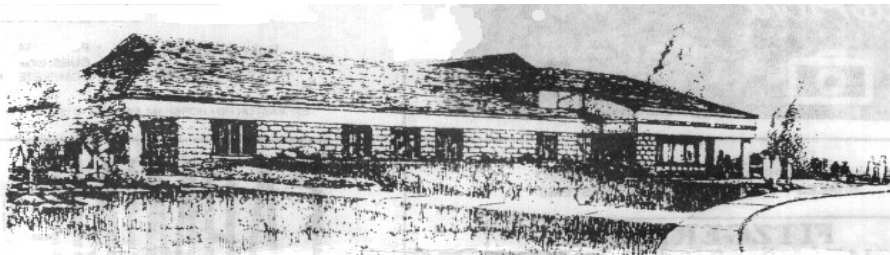
April 4th - Joe / AA3JH will be doing a presentation on his favorite subject - antennas. Joe is an accomplished fabricator of a number of successful antennas and we asked if he could share the knowledge.

May 2nd - With the 2013 hamfest just a few days away, we wanted to take the time for this most important club event.

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.**



2013 Contest Calendar

April

21 Rookie Roundup – Phone

June

8-9 June VHF Contest

15 Kids Day

22-23 Field Day

July

13-14 IARU HF World Championship

August

3-4 August UHF Contest

17-18 10 GHz & Up Contest – [Round 1](#)

18 Rookie Roundup – [RTTY](#)

QSO Parties

Missouri 1800Z, Apr 6 to 0500Z, Apr 7 and 1800Z-2359Z, Apr 7

Montana 0000Z, Apr 13 to 2400Z, Apr 14

Georgia 1800Z, Apr 13 to 2359Z, Apr 14

Michigan 1600Z, Apr 20 to 0400Z, Apr 21

North Dakota 1800Z, Apr 20 to 1800Z, Apr 21

Florida 1600Z, Apr 27 to 2159Z, Apr 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 2013 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 - 2013

April 6 - Greater Baltimore Hamboree & Computerfest

Maryland State Fairgrounds

2200 York Road

Timonium, MD

<http://www.gbhc.org>

April 13 - York Hamfest

Porters Community Fire Company

1199 Porters Road

Spring Grove, PA 17362

<http://www.yorkhamfest.org>

May 5 - Warminster Hamfest

Middletown Grange Fairgrounds

576 Penns Park Road

Newtown (Wrightstown Twp.), PA

<http://www.k3dn.org/hamfest.htm>

May 26 - Maryland FM Association Memorial Day Hamfest

Howard County Fairgrounds 2210 Fairgrounds Road West Friendship, MD 21794

<http://www.marylandfm.org>

June 8 - 23rd Annual Bloomsburg Hamfest

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

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

July 6 - Eastern Pennsylvania Section Convention (Firecracker Hamfest & Electronics Expo)

HACC Campus - Shumaker Public Safety Center

3599 Industrial Road Harrisburg, PA 17101

<http://www.w3uu.org>

SKYWARN INFORMATION

MOUNT HOLLY NWSFO SKYWARN Weekly Information Net: EVERY THURSDAY AT 21:00 HOURS
SKYWARN Net Repeater Listing/ Streaming Audio of scheduled SKYWARN Net: <http://www.skywarnnet.net>
You do NOT have to be a certified SKYWARN Weather Spotter to check into the Net

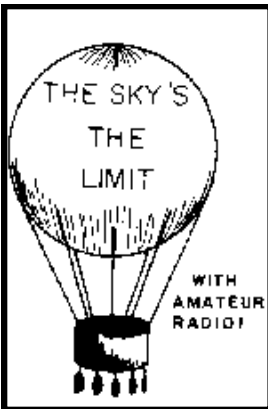
Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)
 Fairless Hills, PA (many remote access locations throughout Bucks County)

Mount Holly NWSFO SKYWARN Homepage:
<http://www.erh.noaa.gov/phi/skywarn/index.html>

SKYWARN Basic Weather Spotter Educational Programs URL:
<http://www.erh.noaa.gov/phi/skywarn/training.html#sched>

➤ **CLUB EQUIPMENT**

WARC has purchased four Vertex Standard 2-meter HT's that are available for use by members of the club. The HT's 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, Irwin Darack KD3TB 215-343-8170



*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.

Classes will start on Monday March 11, 2013. It will be a combined Technician/General session.
Classes run for 8 weeks, 7:00 on each Monday.

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

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
- 447.625 WE3E
- 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

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:

Upper Bucks	NJ3A-10	145.610 Riegelsville
Lower Bucks	NY3J-10	145.530 Bensalem
Montco	W3CF-10	145.950 Hatfield
Chester County	W3EOC-10	145.690

Net Schedules

Sunday	2100	10 Meter Net	28.445 MHz
Wednesday	2030	2 Meter Net	147.09 Rptr.
Wednesday	2030	Linked w/ 2 Meter Net	443.95
Rptr. Wednesday	2030	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 Family Member:	\$ 10.00
Student:	\$ 10.00
Alumni:	\$ 10.00
Associate:	\$ 5.00

- Are your dues current ?
- Check the date on your Feedback mailing label.

2013 Officers

Executive Officers

President	Irwin Darack	KD3TB	215-343-8170
Vice-President	Richard Luce	AG3L	215-441-8264
Secretary	Bernie Paratore	AB3YZ	215-348-2010
Treasurer	Frank Clayton	W3ESL	215-855-1029
Director (A)	George Brechmann	N3HBT	215-443-5656
Director (E)	Mark Kempisty	AA3K	215-953-1493
Director (A)	Al Konschak	WI3Z	215-491-9941
Director (A)	Brian Taylor	N3EXA	215-257-6303
Past President	Larry Abbott	WA3ELQ	215-704-3282

Committee Chairpersons

Archives			
ARES Liason	Denise Burstein	KB3ANO	215-355-1150
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
DXpedition	Doc Whitticar	W3GAD	215-968-397
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 13	Mark Kempisty	AA3K	215-953-1493
Fundraising	Adam Huffnagle	KB3JCP	215-442-9526
Hamfest 13	Richard Luce	AG3L	215-441-8264
Hamwear	Alan Berkheiser	KB3VYX	
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Interference	Mark Kempisty	AA3K	215-953-1493
Membership	Michelle London	KB3MTW	215-672-7578
Membership	Bill Strunk	K3ZMA	215-822-0749
Net Manager	George Brechmann	N3HBT	215-443-5656
PA QSO Party	Mark Kempisty	AA3K	215-953-1493
Publicity			
RACES Liason	Chris McCormack	N3JHR	215-969-2626
Refreshments	Doc Morein	KA3RAU	215-542-0593
Refreshments	Randy Gehman	N3LJE	215-822-9473
Repeater Coordinator	Brian Taylor	N3EXA	215-257-6303
Satellite	Joe Bagnick	N3EMA	215-997-2539
Skywarn Liason			
Station Trustee	George Brechmann	N3HBT	215-443-5656
Sunshine Club	Vince Pironti	KD3TC	215-674-0446
Township Liason	George Brechmann	N3HBT	215-443-5656
VE License Testing	Larry Abbott	WA3ELQ	215-704-3282
VHF/UHF/MW	Al Sheppard	N3ITT	610-847-5490
Website Coordinator	Al Konschak	WI3Z	215-491-9941
Youth Programs	Richard Luce	AG3L	215-441-8264
Youth Programs	Steve Larson	WW3Y	215-822-1511