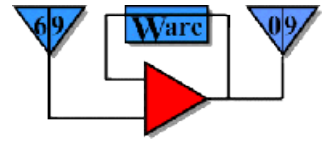




# FEEDBACK



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

Warminster Amateur Radio Club

May 2013

## Next Meeting May 2, 2013 – Hamfest

### President's Message

Spring has finally arrived. This early spring weather has given me the opportunity to get a head start on my annual yard work and get out and finally play some golf. At the same time, our club activities are moving into an active period. Our club Hamfest is on May 5th and Field Day is on June 22nd and 23rd. To be successful, both activities require a significant participation from our club members. In May, 25 members will be traveling to the SEPTA regional center for a tour. March for Babies (Previous March of Dimes) is scheduled for April 28th, May 27th is the Warminster Memorial Day Parade, and June 6th is the Five-Pond Golf Outing. All these activities require our assistance with communications.

The Hamfest is our largest club fund raiser and offers area hams an opportunity to purchase much needed, and probably un-needed, odd and ends. We need your help on both Saturday, for set up, and Sunday to make this event successful. We just need mother nature to cooperate and give us a rain free day. This year our Hamfest will include DXCC and WAS card checking, plus as always, VEC testing.

Field Day is a great opportunity to get on the air and if you have never joined us, you are missing a great time. Field Day is an opportunity for our club to test our capabilities to set up stations in the event of an emergency which requires HF, VHF and UHF communications. Everyone gets an opportunity to get on the air and make contacts. We are planning on running stations on all bands.

June is our annual officer elections and we need your assistance to step up and volunteer. Larry, WA3ELQ, is coordinating the search for candidates. We are currently looking for nominations for all offices; especially Secretary and Treasurer. These are two very important board positions which need to be filled.

At our club auction in February, we auctioned off two activities. Vinnie, K3VJP's, won the auction of time offered by Andy, KD3RF to help put up an antenna. Well, on a cool Sunday in April, the team of Andy - KD3RF, Bill - K3FMQ and myself, Irwin - KD3TB, descended upon Vinnie's QTH and with the assistance of his two Son-in-Law's to be, helped him erect a new G5RV antenna. Vinnie's wife and daughters provided a phenomenal lunch. That day Vinnie made his first DX contact with a ham in Scotland. I found it very rewarding to help a new ham get on the air and watch that first DX contact.

See you at the May meeting.

Irwin KD3TB

*(Continued on page 3)*

**STATION OF THE MONTH - WA4YWM**

I have a relatively modest station as you can see from the photo. The left side of the shelf holds my Elecraft K2 running 100W which I built in 2005 – 2006. This rig got me back on HF after 25 years of being away from it. I basically started over for my HF operating. Since then I have worked 130 countries. I have a dedicated ham computer on which I run Ham Radio Deluxe for all my software needs – radio display and control, DX spotting, logging, satellite tracking and digital modes.

The box next to the K2 is my homebrew PSK 31 interface. This is a fun mode which has gained me several countries in my DX hunting.

The large box on the right is my Softrock/MOBO rig which I have shown at club meetings a couple of times. Its 5W makes for some QRP fun both on voice and PSK31. I use PSDR-IQ for the software. The antenna for HF is a Butternut HF9V vertical with 48 radials.

The rig mounted under the top shelf is a Kenwood 2M. The box above it is a Ten-Tec 6M transverter. Below the Kenwood is my old (1987) trustworthy MFJ-1270 TNC. It still works perfectly. I use it for APRS, Winlink 2000 and basic packet operation. The VHF/UHF antenna is a Comet GP-15 6M/2M/440.

I also have 2 HTs, a APRS mobile/portable setup using a TinyTrak and a Heathkit HW-101 (my first HF rig) which needs some work. And last of all I have an ELK 144/440 log periodic for playing around with satellites.

I have been very fortunate to have my “shack” in a spare bedroom which also holds my general purpose computer and home office.

**EDITOR’S NOTE: We need more contributions from members to the Station of the Month. So far only a handful of members have sent in photos and a description of their station. With 140 members I should be able to fill Feedbacks for the next 11 years. Every station is of some interest to members. Everyone has a story to tell.**

### **CLUB ELECTIONS**

In June we elect the President, Vice President, Secretary, Treasurer, and 2 Directors. These are the folks you entrust to oversee the operations of WARC for the next year. We are truly fortunate to have members who have served faithfully in these offices, some for several years. However, we are always looking for other members who would be willing to take on these responsibilities. We have a very strong club, and it is stronger when many actively participate in the club leadership.

If you are willing to serve in one of the leadership positions, or if you wish to nominate another member, please let me know. We would like to have a tentative list of candidates for each office ready for our general meeting in May. (Of course, additional nominations can be made at that meeting as well as at the June meeting before the actual election takes place.)

Just one note. Nominees must be current active full members of WARC.

We are also looking for a club member to join me on the nominating committee. The duties include developing the lists of candidates as well as conducting the election and counting the ballots. Please let me know if you can help.

My contact information:

Email: WA3ELQ@k3dn.org  
Phone and text: 215-704-3282

Thanks and 73,  
Larry WA3ELQ

### **MINUTES**

The meeting was called to order at 7:32PM by the President Irwin, KD3TB.

#### **Introductions**

The microphone was passed around. Forty five members present and one guest: Scott, KC3ACR who recently upgraded to Extra.

The 50/50 prize for this evening was a Heathkit GR-54 radio that was donated to the club by Rick Layer.

#### **Minutes of previous meeting**

The minutes of the March meeting were approved.

#### **Committee Reports**

##### **Treasurer report - Frank, W3ESL**

As reported.

##### **Programs - Rich, AG3L**

Rich, AG3L discussed a proposed field trip to the SEPTA communications center.

##### **Hamfest - Rich, AG3L**

Everything is coming together well. Need volunteers to help setup on Saturday morning and Sunday afternoon for cleanup.

##### **Membership - Bill, K3ZMA**

There 140 members on the roster and 36 members past due.

Yearly dues can be paid until the end of March 2013 by check or PayPal.

Any questions on membership should be directed to membership@k3dn.org

##### **Public Service - George, N3HBT**

May 27 - Warminster Memorial Day parade. Need 12 operators.

June 10 - Warminster Township 5 Ponds golf outing. Need 8-10 operators.

July 21 - Alex lemonade stand run in Doylestown. Not finalized yet. Need 4-6 operators.

##### **Classes - George, KA3WXV**

There are 4 classes left. We have 4 students enrolled.

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**VE session - Larry, WA3ELQ**

We had 2 new Technicians, 1 General and 1 Extra.

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**

Brian was not in attendance. No issues reported during the meeting.

**Old Business**

None.

**New Business**

Updated Committee Chairperson(s) list. Karl Harris, K3KH is the ARRS-RACES Liason. Andy Vavra, KD3RF and Bill Ballantine, K3FMQ are co-chairing the RF interference committee.

Larry, WA3ELQ has volunteered to be the Board representative for the Nominating Committee for the upcoming elections in June. We are in need of a club member to step up and complete the Nominating Committee. Please contact Larry if interested in helping out.

Mark, AA3K will be coordinating the Field Day event. Please contact Mark if interested in helping out.

The meeting was adjourned at 8:16.

**The audio and the powerpoint slides of Joe's presentation on Antenna Basics are available at [www.wi3z.com](http://www.wi3z.com)**

Submitted:

Bernie / AB3YZ, Club Secretary

April 29, 2013

### SOLAR UPDATE

Tad Cook, K7RA, reports: Solar activity was quiet this week: The average daily sunspot number declined nearly 23 points to 90.6, while the average daily solar flux values were down nearly 13 points to 109.1. The most active day was April 24, with a planetary A index of 19 and mid-latitude A index of 15. The average daily mid-latitude A index was the same this week as last, 4.9. The predicted solar flux is 115 on April 25-27, 120 on April 28-29, 125 on April 30-May 5, 120 on May 6, 115 on May 7-8, 120 on May 9-11, 115 on May 12-13, 110 on May 14-15, and down to 105 on May 16-18. The predicted planetary A index is 18 on April 25, 12 on April 26, 5 on April 27 through May 4, 8 on May 5, 5 on May 6-18, and then rising to 8, 12, 12, 15, 12 and 5 on May 19-24. Look for more information on the ARRL website on Friday, April 26. 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*

### Radio Amateurs Provide Communication Support in Boston Marathon Bombings

As has happened many times in years past, over 200 Amateur Radio operators participated in communications for the Boston Marathon on Monday, April 15, 2013. Unlike prior challenging situations such as very warm weather for the runners or other weather-related challenges, this year's marathon will be remembered for the bombings that took place at the finish line. Despite this heinous act, professional first responders, medical volunteers from the American Red Cross that staffed the route, and Amateur Radio operators performed magnificently in the face of adversity.

“Within minutes, cell phone systems became overloaded and making phone calls and text messages was difficult. Amateur Radio operators performed communication duties under duress and performed admirably. No Amateur Radio volunteers were injured on the course in this terrible act,” said Steve Schwarm, W3EVE, who is the Amateur Radio Course Communication Coordinator and associated with a consortium of clubs and groups known as Marathon Amateur Radio Communications ([MARC](#)).

“At the finish line net control, which was only 400 feet from the initial blast, we heard the explosion. I poked my head outside to confirm what I thought it was and saw the white smoke. We immediately knew what had happened and commenced a roll call of all ham operators and medical tents. State Police authorities initially ordered us to lock down and post a ham for security watch outside

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the net control trailer. Thankfully none of our people were hurt,” said Paul Topolski, W1SEX, Amateur Radio Finish Line Coordinator.

Following the explosion and roll call, Topolski stated that they began pulling together updates and sent the information via the Massachusetts Emergency Management Agency (MEMA) Web-EOC software tool and provided updates via Amateur Radio. Shortly after sending a few updates both Boston Police and Massachusetts State Police gave the order for the tent area to be evacuated. “In my mind, the course end of things is where a lot of work needed to happen as runners eventually needed to be stopped, congregated and transported to safety and staging areas,” Topolski said. “At the finish line, our job was to check on the safety of our people, provide those initial updates and evacuate per police instructions. Three of our Amateur Radio operators redeployed to the Boston Marathon Course Net Control Center.”

Across the course outside of the finish line after the bombings occurred, first aid stations were consolidated to larger first aid stations to pool runners for pickup and to keep runners warm as there were enhanced tents along the route where runners could be kept warm and hydrated. At the Heartbreak Hill first aid station, amateur operators had a complete base station setup, including a computer, and were prepared to handle health and welfare traffic as required. Several shelters were set up along the route at churches and schools, and Amateur Radio operators from secured first aid stations went to those shelters, providing communications in those areas until runners were moved out of their locations.

“My role at the request of Steve, W3EVE, as event organizer before the race was to shadow the course medical tent coordinator for the Red Cross, Kandi Finch,” said Rob Macedo, KD1CY, who is also the Eastern Massachusetts ARES Section Emergency Coordinator. “It was a challenging position but all organizers on both the Amateur Radio side and Red Cross side said things went well in coordinating during normal race conditions and particularly after the bombings.”

At course net control, which was away from the bombings, ham operators controlled their nets calmly and professionally while also expressing an appropriate level of urgency. Over a dozen amateurs at the net control center pooled together to announce messages and keep status of changes along the course route as required.

Net Control Center Coordinator, Karen Brothers, K1KEB, kept in constant contact with MEMA, where Terry Stader, KA8SCP, was stationed. Stader became the MEMA ‘Ops’ point person at the State Emergency Operations Center as runners were transported from the shelters to other staging locations. From his location at the EOC, Stader was able to sort out the sheltering plan and reception centers for the runners, subsequent transport of runners from shelter locations and give out information on MBTA bus and train operations.

Jim Palmer, KB1KQW -- who served as a net control at the Net Control Center -- stated that nets were doubled up on operators, to allow one person to operate the radio while the other listened and logged priority calls and ambulance requests, creating a more efficient operation. “Several ambulance requests for dehydration and exhaustion were handled due to the runners needing to be stopped,” Palmer said. The specific net that Palmer ran also provided a link between the marathon course and the American Red Cross in its Cambridge facility. Lou Harris, N1UEC; Frank O’Laughlin, WQ1O, and Dan Howard, K1DYO, staffed the Red Cross in Cambridge.

Many amateur operators who volunteered along the marathon route praised Net Control’s support after the bombing. “Net Control did an awesome job,” said course volunteer David Wihl, KB1VEG. “The workload was busiest after seven hours on the radio, and it didn’t let up for another couple hours.”

Several young radio amateurs from the Clay Center Amateur Radio Club also supported Net Control Operations, both as direct net control operators and runners for the operation as they have done in the past. This provided a tremendous learning opportunity for these young operators, from both an Amateur Radio perspective and an overall learning perspective.

“Despite the total lack of warning in this situation, amateurs followed a creed I’ve long since preached since the 9/11 terrorist attacks and the mutual aid response to those attacks: ‘blessed are the flexible for they will not get bent out of shape,’” said Steve Schwarm, W3EVE. “Amateurs on the course did what they had to do to assure their own safety and runner safety working with the Red Cross medical people. They did an outstanding job and I was told so by Red Cross organizers as well.”

From an ARES perspective, a heightened state of awareness on the Boston Marathon event is typical, but within 15 minutes of the bombings, Eastern Massachusetts ARES Assistant Section Emergency Coordinator, Carl Aveni, N1FY, issued an ARES Stand-By and requested that amateurs give availability for the next 24 hours. Within minutes, 20 amateurs offered their availability.

The ARES sub-regional command center at the Acushnet, Massachusetts EOC (under call sign WA1EMA) was utilized as a control point to obtain critical situational awareness of the rapidly changing situation, as well as to monitor resource nets per a report filed by Acushnet Emergency Management Communications Officer Ed Caron, KA1RSY; he also serves as the South Shore Massachusetts

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ARES District Emergency Coordinator. A total of five Amateur Radio operators were deployed to this facility. An ARES resource net was called on the 147.18 Bridgewater repeater with Byron Piette, K1YCQ, as net control with 11 stations checking into the net.

“In terms of having amateurs within ARES who cannot get directly involved in the marathon, we have a process where we have them monitor in case of a situation like what occurred on Monday. That process paid off and facilitated a rapid response to our request for possible additional support,” said Carl Aveni, N1FY.

Some radio amateurs who volunteered in the Boston Marathon have posted their stories online; read one such [story](#) is from Tim Carter, W3ATB, of Meredith, New Hampshire.

*Courtesy of the ARRL Newsletter*

### Florida Man Cited for Causing Harmful Interference to Radio Amateurs

The FCC has issued a *Citation and Order* to Ruben D. Lopez Jr of Pomona Park, Florida. The *Citation*, issued April 23, is in response to several complaints about a well pump at Lopez’s residence that was acting as an incidental radiator and causing harmful interference to local radio amateurs.

In July 2010 and February 2011, the FCC received complaints from radio amateurs regarding interference on the MF and HF Amateur Radio bands. Upon investigation, the FCC found that a well pump at Lopez’s residence was causing the interference, and advised Lopez of the complaints and of the rules regarding interference to licensed radio services. The FCC instructed Lopez to resolve any interference.

According to the *Citation*, in October 2012 -- in response to another interference complaint -- FCC agents “used direction finding equipment to identify Mr Lopez’s well pump as the source of transmissions on the frequency 1800 kHz. The agents...confirmed that Mr Lopez’s well pump was the source of the interference by conducting on/off tests -- the interference ceased when the well pump was turned off. The agents informed Mr Lopez that he must cease operating his well pump until the interference could be resolved. After the October 23, 2012 inspection, the [FCC’s] Tampa Office received information that Mr Lopez tried to eliminate the interference by replacing the A/C line filter for the well pump, but the new filter did not resolve the interference.”

Lopez was found by the FCC to be in violation **Section 15.5(b) and (c)** of the FCC’s rules by operating an incidental radiator and causing harmful interference. He was instructed by the FCC to “take immediate steps to ensure that he does not continue to cause harmful interference, including repairing or replacing his well pump and associated control circuitry.” The FCC advised Lopez that if he continues to violate the Communications Act or the FCC’s rules, it “may impose monetary forfeitures of up to \$16,000 for each such violation, or in the case of a continuing violation, up to a maximum forfeiture of \$112,500 for any single act or failure to act. In addition, violation of the Communications Act or the [FCC’s] rules also can result in seizure of the equipment through *in rem* forfeiture actions, as well as criminal sanctions, including imprisonment.”

If he desires, Lopez has until May 23 to respond to the *Citation*, either through an in-person meeting with the FCC office in Tampa, or via a written statement that should detail any actions Lopez has taken “to ensure that he does not violate the Communications Act or the [FCC’s] rules governing the operation of incidental radiators in the future.”

*Courtesy of the ARRL Newsletter*

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### CLUB INFO

#### PUBLIC SERVICE

May 27 - Warminster Memorial Day parade. Need 12 operators.  
 June 10 - Warminster Township 5 Ponds golf outing. Need 8-10 operators.  
 July 21 - Alex lemonade stand run in Doylestown.  
 November 17 - Bucks County marathon.  
 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 WARC members. At the March 4, 1999 General Meeting, revisions to our club's constitution were approved that, among other things, established a new Alumni membership category for WARC members who are unable to attend meetings and Club activities on a regular basis due to health considerations, travel impediments or other hardships. Dues for the Alumni membership were established at \$10.00 annually. Please contact the Membership Committee for more information on becoming this class of member.

#### ATTENTION MEMBERS

The Membership Committee can provide Club badges. Two types are available: an engraved plastic call sign and name badge for \$5 or a free, laminated plastic, photo ID badge/card. The photo ID badge is included with your membership when a facial photo is provided by you. Please see members' photos on club website for proper facial composition. 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.

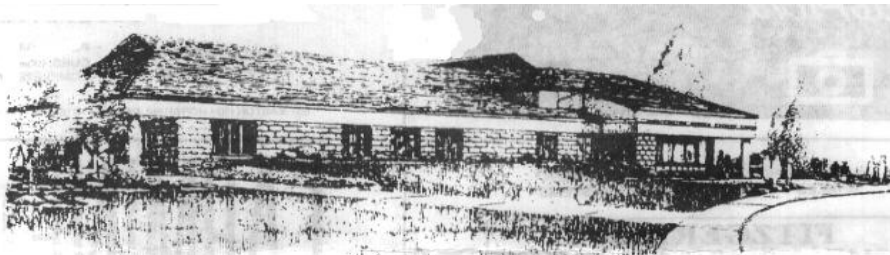
### PROGRAMS 2013

**May 2nd** - With the 2013 hamfest just a few days away, we wanted to take the time for this most important club event.  
**June 6th** - Elections, Pizza 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 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

#### 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](#)

#### September

14-16 September VHF Contest  
 21-22 10 GHz & Up Contest – [Round 2](#)  
 28-29 EME Contest – [2.3 GHz & Up](#)

#### QSO Parties

Indiana 600Z, May 4 to 0400Z, May 5  
 New England 2000Z, May 4 to 2400Z, May 5

### ➤ ATLANTIC DIV. HAMFESTS - 2013

#### 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>

#### July 7 - Valley Forge Hamfest

Kimberton Fire Company Fairgrounds Route 113 & Firehouse Lane  
 Kimberton, PA 19442  
<http://www.marc-radio.org>

#### July 21 - MARYLAND HAMFEST AND COMPUTER FEST

Howard County Fairgrounds 2210 Fairground Road  
 West Friendship, MD 21794  
<http://bratsatv.org/hamfest/>

### 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](mailto: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](mailto:w3pa@arrl.net)



**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\***

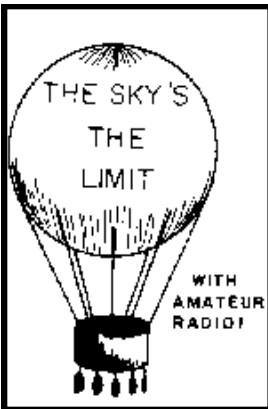
**Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)**  
 Fairless Hills, PA (many remote access locations throughout Bucks County)

**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.

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 Buegers
- 147.030 Phil-Mont
- 147.090 Warminster
- 147.270 Frankford
- 147.300 BEARS
- 147.390 CBRA

**220**

- 224.580 PackRats
- 223.76 K3NAL

**UHF**

- 442.650 DVRA
- 443.250 TAG
- 443.050 Metro-Comm
- 443.950 Warminster
- 444.200 BEARS
- 447.475 WR3B
- 448.225 Penn Wireless

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

Winlink Gateway Stations:

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/RACES Liason	Karl Harris	K3KH	215-264-1855
Arri 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	215-968-6397
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
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
Refreshments	Doc Morein	KA3RAU	215-542-0593
Refreshments	Randy Gehman	N3LJE	215-822-9473
RF Interference	Andy Vavra	KD3RF	610-287-3295
RF Interference	Bill Ballantine	K3FMQ	215-766-0764
Repeater Coordinator	Brian Taylor	N3EXA	215-257-6303
Skywarn Liason	Mike Patton	W3MJP	215-491-9665
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