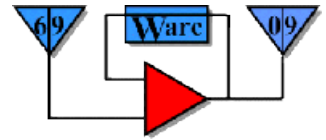




# FEEDBACK



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

Warminster Amateur Radio Club

March 2013

## Next Meeting March 7th, 2013 – NAWC History

### President's Message

March to me offers the first sign of spring. The weather finally warms up a little and the ground hopefully starts to dry out, giving us an opportunity to start working on outside antenna projects. I do remember that March always starts off as a lion with strong winds and late winter snow storms. Wishing for an early spring, I start planning my spring/summer garden and hitting that little round ball around in a game called golf. By the time you have read this, the last of the major Ham Radio winter contests has come to a close. I hope everyone had an opportunity to participate in both the ARRL DX and SSB contests that were conducted in February (CW) and March (SSB). This was a great opportunity to work a number of stations around the world. There are still a number of great contests throughout the year. Even if you don't have a station, there is always an opportunity to work from the club station.

Our meeting in March will feature Mike McGuire from the NADC Museum updating us on their recent events and activities. I look forward to this as NADC has always been an important part of our local history. In April, Joe, AA3JH will be presenting on Antenna's and our May topic will focus on the WARC Hamfest.

Our Hamfest 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. Please sign up by contacting either Rich Luce ([AG3L@K3DN.org](mailto:AG3L@K3DN.org)) or at our meeting on Thursday night. Our thanks to everyone who showed up to the February 28th Board meeting and helped us label Hamfest Post Cards. We had a great turnout for this annual labeling and stamping event.

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](http://www.k3dn.org) or at the March 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](mailto:members@k3dn.org). If you have not renewed by the end of March, you will no longer be considered a member of WARC.

A new Tech/General class will start on March 11th. Classes are held on Monday night and begin at 7:00pm to 9:00 pm at the Ben Wilson Senior Citizens center. Same place we hold our meetings. Text books are available through the club at \$25/each. Tell your neighbors, tell your co-workers, tell your friends, tell your kids as our classes are open to everyone in the community.

Alan, KB3VYX, will be stepping down as Director from the board due to health reasons. The board has selected George, N3HBT, to fill the remainder of Alan's term. We wish Alan well and look forward to joining our board again in the future. I would also like to pass along our condolences to George whose dog Packer recently passed away. Packer was a great addition at all of our meetings and will be missed.

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 March meeting.

Irwin KD3TB

President Irwin, KD3TB opened the meeting at 7:15 PM.

*(Continued on page 3)*

---

**STATION OF THE MONTH— K3FMQ**

Bill received his novice license, KN3FMQ, in 1963 while a senior at Northeast High School in Philadelphia. He was a member of the school's radio club, W3YC, the oldest licensed school station in the country.

Bill worked his way up the license "ladder" over the years: Novice, Technician, General, Advanced, and finally Extra Class in 2002.

For the most part, Bill's ham interests have been limited to chasing DX. He applied for and received DXCC when he submitted cards for approximately 300 countries/entities in 1998. He subsequently achieved DXCC Honor Roll status, 5BDXCC in 2006, and ultimately Top of Honor Roll (mixed SSB and CW) in 2009. He has maintained Top of Honor Roll with all 340 current countries/entities confirmed.

Bill has been a member of the VE2DXY (Zone 2) contest/ DXpeditionary team since 2002, which operates in the CQWW SSB contests.

Bill is a member of Frankford Radio Club and Warminster Amateur Radio Club.

Bill's gear includes the Elecraft K3 transceiver with the P3 panadaptor, and the Amp Supply LK-500ZA amplifier. He recently assembled the Elecraft KX3 portable/ QRP rig.

Antennas are a Bencher Skyhawk tribander at 70 feet, a rotating dipole for 30M/17M/12M at 75 feet, and a Bencher HF2 ground mounted vertical for 40M and 80M.

---

**MINUTES****Introductions**

The microphone was passed around. Thirty three members present and two guests: Carl Fisher and Mike Malone.

**Minutes of previous meeting**

The minutes of the January meeting were approved.  
Audio recordings of the meetings and presentations are available online at [www.wi3z.com](http://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**

Tonight Club auction  
March NADC museum  
April Joe, AA3JH - Antennas  
May Hamfest coordination

**Hamfest - Rich, AG3L**

Arrangements for the ground have been made with the Grange. This year we will have a food service company. This event provides the main income for the club and everyone is encouraged to volunteer some time to help out with all the activities.

**Membership - Bill, K3ZMA**

There are 128 members up to date and approximately 20 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 [membership@K3DN.org](mailto:membership@K3DN.org)

**Public Service - George, N3HBT**

No activities until April.

**Classes - George, KA3WXV**

Classes will 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**

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.

**Old Business**

None.

**New Business**

None.

**Members Comments/Questions**

None.

The meeting was adjourned at 7:15.  
The audio of the meeting including the presentation is available at [www.wi3z.com](http://www.wi3z.com)  
Submitted:  
Bernie / AB3YZ, Club Secretary  
March 1, 2013

---

---

Doug Crompton provided the following announcement which will be of interest to many of the club members particularly in light of the March program.



**The Southeastern Pennsylvania Cold War Historical Society**  
proudly announces  
**The Spring 2013**

***“History in Our Backyard” Lecture Series***

**The Fuge/ 780 Falcon Circle/ Warminster, PA 18974**

March 12	Sonobuoys - The Underwater Ears of NADC	Art Horbach
April 9	In the Shadow of the Hindu Kish - A-10 Missions Over Afghanistan	Greg Marston
May 14	Johnsville’s Role in Project Mercury	Don Morway

**Events are open to the general public / Doors open at 7:00pm**

**Lectures begin promptly at 7:30pm**

***ColdWarHistory.org***

***RentTheFuge.com***

**Packer SK**

It is with great sorrow that we announce that we lost Packer 2/12/2013 during emergency surgery. He was not only an integral part of our family but he was the best guide we ever had. He brought so much happiness to our lives that the void he leaves will be impossible to fill. George (N3HBT) and Elaine (N3TMP).

---

**Entry level TECHNICIAN Ham radio classes on March 11<sup>th</sup>, 2013**

The Warminster Amateur Radio Club will be offering free ham radio licensing classes for the **Technician** license starting on **Monday, March 11th, 2013** at the Benjamin Wilson Community Center. The classes will start at 7:00 pm and last until 9:00 pm and run for 8 weeks. The Classes are free, but the students will be responsible for any study guides.

**GENERAL Ham radio classes on March 11<sup>th</sup>, 2013**

The Warminster Amateur Radio Club will be offering free ham radio licensing classes for the **General** license starting on **Monday, March 11th, 2013** at the Benjamin Wilson Community Center. The classes will start at 7:00 pm and last until 9:00 pm and run for 8 weeks. The Classes are free, but the students will be responsible for any study guides.

All classes are at the Benjamin Wilson Senior Center  
580 Delmont Ave.  
Warminster, PA

Warminster Amateur Radio Club sponsors Classes for all 3 levels of licensing in the hobby. People who are interested in attending classes for **EXTRA**, please contact George Brechmann below. When there are sufficient numbers, we'll schedule the classes.

For further information  
Contacts: George Brechmann at 215-443-5656 or n3hbt@arrl.net

**SOLAR UPDATE**

Tad Cook, K7RA, reports: This past week, we saw a decline in the solar and geomagnetic indices: The average daily sunspot number dropped nearly 21 points to 57.7, while the average daily solar flux softened by 4.7 points to 100.9 and the average daily planetary A index declined 6.4 points to 5.1. This isn't much of a change, but geomagnetic activity was low already, and this is even lower. The predicted solar flux for the near term is 105 on February 28, 110 on March 1-3, 105 on March 4-6, 100 on March 7, 95 on March 8-14, 100 on March 15-16, 105 on March 17, and rising to 110 on March 18-20. The solar flux then reaches a peak of 120 on March 25-27, and on March 28-April 6, it looks like it will hover around 113. The predicted planetary A index is 5, 12 and 8 on February 28-March 2, 5 on March 3-4, 8 on March 5, 7 on March 6-7, 5 on March 8-10, 7 on March 11-12, and back down to 5 on March 13-20. Look for more on the ARRL website on Friday, March 1. 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*

**(Editor's Note: Dr. Elmore is no relation to the editor. I just thought this is an interesting article which illustrates how hams in technological fields are contributing to overall advancements.)**

**Oklahoma Ham Helps Develop New Winter Weather App for NOAA**

The National Oceanic and Atmospheric Administration's (NOAA) National Severe Storms Laboratory (NSSL), in partnership with the University of Oklahoma ([OU](#)), has launched a free app -- **mPING** (mobile Precipitation Identification Near the Ground) -- with which users can anonymously report precipitation from their Apple or Android mobile device. Simply select the type of precipitation that is falling at your location and press Submit -- your location and the time of the observation are automatically included in the report.

"mPING gives the public a unique opportunity to act as citizen scientists, allowing them to report their observations of precipitation -- such as snow, rain, ice pellets or a mix -- in real time," said Principal Investigator Dr Kim Elmore, N5OP. Elmore, an ARRL Life Member, is a Research Meteorologist with the NOAA Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at OU.

According to NOAA, NSSL and OU researchers will use the mPING submissions to build a valuable database of tens of thousands of past and real-time observations from across the United States. Elmore said that because this nationwide information will be instantly available on the **project's website**, "we believe it will be useful for not only researchers, but a variety of groups, including students and teachers, forecasters, TV meteorologists, members of the transportation and aviation industries, city managers and law enforcement." Elmore **told** National Public Radio's *All Things Considered* that he estimates about 20,000 people have downloaded the mPING and nearly 60,000 reports have been submitted.

---

---

mPING is available at no charge on **iTunes** or **Google Play** for use on phones and tablets. Watch a **short mPING “how to” video** on YouTube. You can also **listen** to Elmore talk about mPING on National Public Radio’s *All Things Considered*. -- *Thanks to NOAA and NPR for the information*

*Courtesy of the ARRL Newsletter*

### **Amateur-created “Varicode” Adopted as ITU Recommendation**

On Tuesday, February 19, François Rancy -- Director of the Radiocommunication Bureau (**ITU-R**) of the International Telecommunication Union (**ITU**) -- announced the simultaneous adoption and approval by correspondence of a new Recommendation entitled *Telegraphic Alphabet for Data Communication by Phase Shift Keying at 31 Baud in the Amateur and Amateur-Satellite Services*. The alphabet -- commonly called “Varicode” because the more frequently used characters (in the English language) occupy fewer bits -- was developed by Peter Martinez, G3PLX, in the 1990s. Martinez was awarded the ARRL Technical Innovation Award for the year 2000 by the ARRL Board of Directors for his development of PSK31, which uses Varicode for transmission efficiency in much the same way as the Morse code. In ITU parlance, it now becomes Recommendation ITU-R M.2034.

Adoption of the Recommendation is the culmination of work conducted in ITU-R Study Group 5 and its Working Party 5A during 2011 and 2012. Working Party 5A is responsible for studies of techniques and frequency usage in the Amateur and Amateur-Satellite Services, as well as certain aspects of the land mobile and fixed services.

The Recommendation was proposed by the United States, and ARRL Chief Technology Officer Brennan Price, N4QX, advocated for the Recommendation’s adoption as United States spokesperson for Amateur Radio issues at Working Party 5A. “The text of the Recommendation borrows heavily from the **technical description of PSK-31**, prepared by Steven Karty, N5SK, on the ARRL’s website,” Price explained. “Steven’s thorough description of Peter’s invention enjoyed relatively smooth sailing within the United States preparatory process and at the ITU.”

Adoption of an ITU-R Recommendation requires multiple levels of review. Following proposal by an administration, a draft Recommendation is vetted by one or more relevant ITU-R Drafting Groups, Working Groups, Working Parties and Study Groups, usually through several meeting cycles. “We are grateful to United States 5A delegates -- particularly delegation leadership from the FCC, NTIA and the State Department -- for supporting this effort at every step of the process,” Price said. “We also appreciate the deliberations of ITU delegates from dozens of countries who evaluated the draft as it proceeded to adoption and approval.”

“Nothing that radio amateurs do on the air will change as a result of this ITU decision, but it is significant nonetheless,” observed ARRL Chief Executive Officer David Sumner, K1ZZ. “It provides further documentation in an important international forum of radio amateurs’ continuing creativity and contributions to the art and science of radio communication.”

*Courtesy of the ARRL Newsletter*

### **HAMS ACROSS NEW ENGLAND RESPOND TO BLIZZARD**

As a blizzard swept across New England February 9-10, SKYWARN was ready. The storm dumped heavy snowfall -- with some areas receiving upwards of 3 feet of snow -- as blizzard conditions brought hurricane force winds that created power outages and significant tree and power line damage over Southeastern Massachusetts and Rhode Island. ARRL Eastern Massachusetts Section Emergency Coordinator Rob Macedo, KD1CY, helped lead operations at **WX1BOX**, the Amateur Radio station at the National Weather Service office in Taunton, Massachusetts, where hams were active for 28 continuous hours. Macedo also serves as the ARES SKYWARN Coordinator for the NWS office in Taunton.

“The Amateur Radio mission in our region has evolved into providing information on damage, power outages and meteorological surface observations in situations such as this blizzard,” Macedo told the ARRL. “But our hopes of escaping the winter of 2012-2013 with nothing more than routine winter storms ended when this blizzard came to New England. Eastern Massachusetts ARES was placed on stand-by on Friday, February 9 and that standby continued through Tuesday, February 12 for both Eastern Massachusetts ARES and those amateurs remaining active on Cape Cod who provided communications support for active shelters and for the Barnstable County Mutual Aid Coordination Center on Cape Cod.”

According to Macedo, WX1BOX Amateur Radio SKYWARN operations handled several hundred snowfall reports, as well as reports concerning wind, wet snow damage and coastal flooding. “We sent these reports to multiple agencies, including the Massachusetts Emergency Management Agency, the American Red Cross and other non-governmental organizations, as well as the media,” he explained. “These reports provided critical situational awareness and disaster intelligence information to all of these entities.”

Snowfall totals of around 12-32 inches were recorded across Massachusetts, Rhode Island and Connecticut, with lesser amounts on Nantucket Island. “Boston’s Logan Airport recorded its 5th highest snowfall ever with this blizzard,” Macedo said. “In addition, we had reports of moderate to major coastal flooding, with the most significant coastal flooding damage to roads. There were reports of

---

---

flooding damage to shore structures in the Massachusetts coastal towns of Hull, Scituate, Sandwich, Gloucester and Salisbury. Hurricane force wind gusts coupled with wet snow caused more than 410,000 homes to be without power in Southeastern Massachusetts, with more than 170,000 without power in Rhode Island.”

The **New England Reflector System** on EchoLink \*NEW-ENG\* node 9123/IRLP 9123 was active and, according to Macedo, at one time had more than 65 connections from stations within the blizzard’s area. The VoIP Hurricane Net system on \*WX\_TALK\* node 7203/IRLP 9219 system was also utilized as a listen-only system for those amateurs who wanted to listen in on some of the blizzard operations. “Many local VHF and UHF repeaters were active with roll-call SKYWARN nets set up at two or three hour intervals on more than a dozen repeaters in Southern New England,” Macedo told the ARRL. “We heard from Hartford-Tolland County Connecticut SKYWARN Coordinator Roger Jeanfaivre, K1PAI, that their net alone had eight nets and 181 check-ins from those eight nets, including nets run during the overnight period.”

In Massachusetts, hams affiliated with RACES staffed Amateur Radio stations at the Massachusetts Emergency Management Agency Regions 1 (WC1MAA) and 2 (WC1MAB). “Having Amateur Radio operators at these served agencies helped to provide auxiliary communications,” Macedo explained. “For instance, when power outages became so severe that the Pilgrim Nuclear Power Plant in Plymouth, Massachusetts lost power, a roll call was initiated on the state’s VHF network. The Region 2 office did not hear the roll call over the state’s VHF network, but they were notified by the ARES sub-regional command center at the Acushnet Emergency Operations Center in Acushnet, Massachusetts, WA1EMA, that the roll call was taking place.”

“Amateur Radio remains the ultimate back-up,” said ARRL District Emergency Coordinator for Southeast Massachusetts Ed Caron, KA1RSY. “It has a significant place in providing situational awareness information for various served agencies.” Caron also serves as the Acushnet Emergency Management Communications Officer.

On Cape Cod, ARES remained active through Tuesday, February 12, putting in more than 72 hours of continuous operation during and after the blizzard. Macedo said that these hams provided SKYWARN with reports of coastal flooding, snowfall, wet snow and wind damage from around their area. Cape Cod ARES members also staffed multiple shelters and multiple Emergency Operations Centers. “Cape Cod ARES has been active with rotating shifts to staff the shelters and the Mutual Aid Coordination Center. I’m very proud of all my people who have put in very long hours,” said ARRL Cape Cod ARES District Emergency Coordinator Frank O’Laughlin, WQ1O.

*Courtesy of the ARRL Newsletter*

### **American Red Cross to Phase Out Emergency Communication Response Vehicles**

The American Red Cross has made the decision to phase out and decommission its Emergency Communication Response Vehicles (ECRVs), due to changes in technology, as well as a new satellite system and other factors regarding the vehicle fleet. “Retrofitting the decade-old vehicles with new equipment is not a good use of donated funds, as the long-term strategy is to move to more portable systems,” American Red Cross Disaster Services Technology Manager Keith Roberatory, KG4UIR, told the ARRL. “This is consistent with the trends in the telecom and technology industries.”

The American Red Cross will be removing the Amateur Radios from the ECRVs as part of the decommissioning process. These radios will either become part of the deployable inventory or provided to the local American Red Cross chapter to build local capacity. Equipment that can be used by the American Red Cross will not be phased out with the vehicle. According to Roberatory, every communication capability of the ECRV already exists -- or will soon exist -- as a rapidly deployable kit that can be loaded on *any* vehicle that is owned or rented by the American Red Cross, providing more flexibility in shaping its response to match the disaster.

“From a radio perspective, the American Red Cross has a variety of different kits for amateur, business and public safety bands covering HF, VHF and UHF with portable radios, mobile units and base stations,” he explained. “Two-way radio remains a valuable tool, providing communications in the initial days or weeks of a disaster, until normal communications is restored. Each American Red Cross chapter should continue with -- and improve -- the relationship with their local Amateur Radio operators. In a disaster, Amateur Radio will be the fastest deployed radio network because operators already live in the impacted communities.”

Roberatory called the ECRV operators “the key to the success of the ECRV program through the years,” saying their skills, dedication and flexibility have made the ECRV one of the most visible aspects of the American Red Cross Disaster Technology team. The ability to establish connectivity and communications remains vital to the American Red Cross, and their skills will continue to be needed as the American Red Cross implements new technology strategy and tactics. The commitment and flexibility of technologists -- including radio operators -- is what makes technology on a disaster successful. Building our future path based on the lessons we have learned is important to keep us all successful.”

Radio amateurs who are concerned about how the decommissioning of ECRVs will affect opportunities to serve the American Red Cross can be assured that such opportunities still exist. “This should not be seen as a setback for those radio amateurs who are working with the American Red Cross,” said ARRL Emergency Preparedness Manager Mike Corey, K1IU. “In disaster response, adaptability is critical and keeping up with new technology is essential. This all must be done with a mind toward an effective and efficient response. Amateurs have played an important role in assisting the American Red Cross with their mission and I know we will continue to do so in the future.”

---

## CLUB INFO

### PUBLIC SERVICE

### 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](http://www.k3dn.org) website, please email Michelle at [mal61@comcast.net](mailto: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](mailto:membership@K3DN.org). Thank you.

## PROGRAMS 2013

**March 7th** - Mike Maguire of the NADC Museum is returning to talk about the history of the NADC / NAWC in Johnsville.

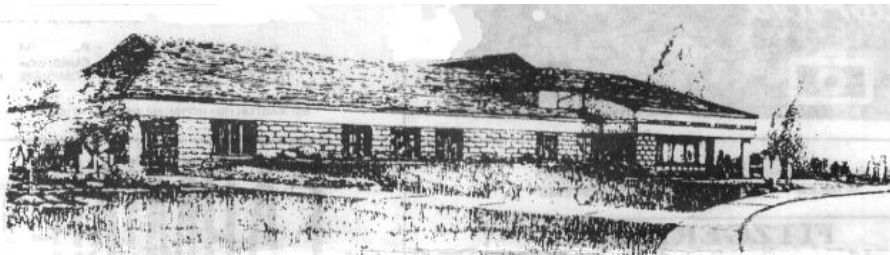
**April 4th** - Joe / AA3JH will be doing a presentation on his favorite subject - antennas. Joe is an accomplished fabricator of a number of successful antennas and we asked if he could share the knowledge.

**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

#### March

2-3 International DX Contest – Phone

#### 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

**Idaho** 1900Z, Mar 9 to 1900Z, Mar 10

**Wisconsin** 1800Z, Mar 10 to 0100Z, Mar 11

### 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 jmcloskey@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>

**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\***

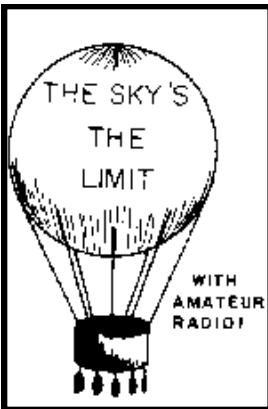
**Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)**  
 Fairless Hills, PA (many remote access locations throughout Bucks County)

**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.

**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.

**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
- 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

**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