



# FEEDBACK



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

Warminster Amateur Radio Club

July 2015

## Next Meeting July 2nd, 2015 - Microphones & Back to the Future

### President's Message

Let me start my tenure by saying how honored I am to have the opportunity to serve as President of this great club, and to thank Irwin KD3TB for his outstanding leadership these last few years. The incoming Board, and especially myself, have some big shoes to fill! I will look to continue the advances made over the last year, including the use of more electronic communication for club business, and the influx of new members dedicating their time to WARC in various capacities.

As I write this, Field Day is fast approaching, with Doc W3GAD leading the charge. We will be setting up in Warminster Community Park this year, due to a scheduling conflict at the National Shrine of Our Lady of Czestochowa. This location presents some logistical challenges that we do not normally encounter at the Shrine, but it will afford us an opportunity to showcase what we are capable of as Hams, to a much wider audience. This is a great chance for us to put on our public face and let the community see us in action! I hope most of you get the time to take part in this year's event. This week has also marked an increase in solar flares and CME's, causing some disruption to our radio activity. Hopefully, this will settle down and dissipate in time to not interfere with this weekend's operations...

**(Ed. Note: See the item below from Irwin if you did not catch it on WARC Talk.)**

I'm looking forward to the upcoming year, and hope that we can build on the success that last year has provided. We'll keep working with the students and teachers at Council Rock, work on keeping our website current, and initiate new programs to encourage and recognize your contributions to WARC and the radio art.

Catch you on the air!

de Tony, W3FLH  
73

---

WARC Members,

Field Day is one of my favorite activities. In the past mother nature, although giving us some brief storms, has allowed us to participate as a club. The current weather forecast for Saturday is heavy rain with thunderstorms. Mother nature can always play tricks on us, and forecasting is not an exact science. While Field Day is a chance to practice for any emergency that we as Amateur Radio operators may participate in, we would never want to put our members in an unsafe situation. Given our location, and that the Warminster Community Park does not offer us any protection in the event of flooding or thunderstorms, tonight the WARC Board of Directors unanimously voted to cancel our WARC Field Day activities.

The Board would like to take this opportunity to thank both Doc, W3GAD for all of the work he has done in preparation for Field Day and Mark, AA3K and Mary Anne for their planning.

Thank you and regards, Irwin

---

### **WARC General Meeting – Minutes of 6/4/15**

Meeting called to order by Irwin KD3TB at 7:33pm. We had 37 members, plus a few late arrivals.

Minutes of previous meeting were accepted as published in Feedback.

Treasurers Report:  
Bill K3FMQ – As reported

Programs:.

*(Continued on page 2)*

*(Continued from page 1)*

Vinny K3VJP has the following programs currently scheduled:

June is Field Day prep by Doc W3GAD, and a discussion of current logging software options by Mark AA3K.

July is tentatively set for a presentation on miscellaneous keys, paddles & mics by Andy KD3RF, as well as a look back at Hewlett-Packard's predictions for the "future", via a company tape from the late-80's.

August is Emergency Prep II by Vinny K3VJP.

September is Homebrew Night.

**Membership:**

119 members are currently in good standing. Anyone not paid at this point is no longer eligible for member benefits.

**Public Service:**

George N3HBT reports the following:

Warminster's Memorial Day Parade was a successful showing for WARC, with 12 hams participating. Vinny K3VJP took photos, which were published in June's Feedback (as well as some pics from the Hamfest).

Warminster Chamber of Commerce Hole-in-One Golf Tourney {Five Ponds GC, earlier today} was another success, with 9 ops attending.

He has no other P/S events currently on the schedule.

Michael KB1JEY will need some ops for the Tour de Cure bicycle ride on (6/6); contact him directly for more info.

**Classes:**

George N3HBT informs us that there a special class which has started, and currently has 14 participants. This is a Technician class, conducted at the requested of a local Prep/Disaster Readiness group.

**VE Session:**

Mike W3MAS reports that the May session yielded one (1) new licensee - WARC congratulates you!

**Club Station:**

George N3HBT reports that, although the WX has been cooperative, volunteers are needed to reinstall the club station antenna.

**Good & Welfare:**

Vahan WB3DHU has become SK. Our condolences to his family and friends.

**Repeater:**

George N3HBT reports that the system is performing well, with no known issues.

**Old Business:**

Brandon KC3DYT has agreed to be the new Refreshments Chair, but is still looking for a regular assistant.

**New Business:**

Michelle KB3MTW has suggested that all Club members write their local representatives to express their belief and support for HR1301 (Amateur Radio Parity Act), seeking to make PRB-1-like guidelines the federal law. Fred K3BHX (EPA Sect. Emergency Mgr.) was in attendance, and let us know that a letter is available on the ARRL website, which can be used as a template when writing to your Congressmen.

**Committees:**

Field Day will need to be relocated this year, due to a scheduling conflict with the National Shrine of Our Lady of Czestochowa. Irwin KD3TB and Doc W3GAD are working to secure the use of the Warminster Community Park for our event; overnight occupancy at the Park will need to be approved by the Warminster Supervisors. The Board voted to pursue the Park solution, even if the Shrine were to become available at the last minute, thus eliminating the potential of the Club reneging on a commitment to either location. This site will offer WARC much more access to the public, to promote amateur radio to a wider audience than we normally encounter at the Shrine.

*Irwin KD3TB expressed his appreciation and gratitude for being able to serve the club for the past 2+ years as President, and wished the incoming Board much success in the coming year.*

Meeting adjourned (7:58 pm).

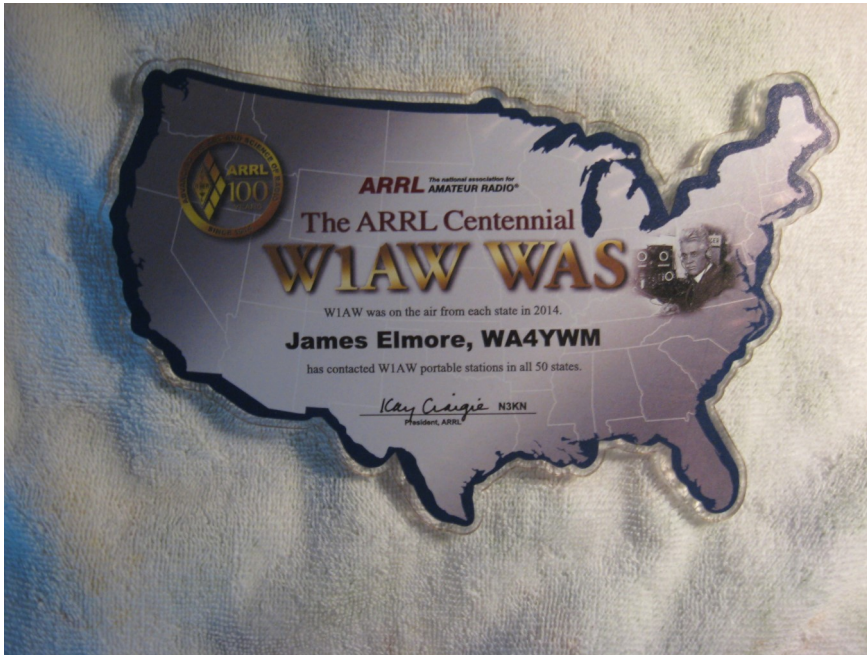
Submitted by Tony, W3FLH, Secretary (6/16/15)

*(Continued on page 3)*

*(Continued from page 2)*

### THE ARRL CENTENNIAL WAS AWARD

The photo below shows the plaque I got from the ARRL for achieving the Centennial WAS last year. It's a very nice plexiglass plaque that hangs on the wall. If anyone else got the Centennial WAS, please let me know and I will include your name in Feedback. This was a once in a lifetime event (it won't happen for another 100 years). Jim WA4YWM



The photo shown below was published in the EPA ARRL Newsletter showing the presentation of the Special Service Club award to WARC at the hamfest.



Left to right, Tony Cuttone W3FLH, Joe Ames W3JY, Irwin Darak KD3TB, Jim Elmore WA4YWM; Not in photo Bob Josuweit WA3PZO, Tom Mills AF4NC. Photo by AF4NC

*(Continued on page 4)*

---

*(Continued from page 3)*

### THE K7RA SOLAR UPDATE

Tad Cook, K7RA, in Seattle, reports: This was a very active week for solar flares and aurora. On Monday and Tuesday, the planetary A index was 55 and 76, indicating a geomagnetic storm.

It turns out that the magnetometer at Fredericksburg, Virginia, was knocked out on 5 of the 7 days, so the mid-latitude A index we are reporting for June 18-21 and June 24 are approximations -- or actually wild guesses -- based on magnetometers that were working.

Average daily sunspot numbers dropped from 99.9 during the week of June 11-17 to 71.6 a week later. Average daily solar flux decline from 135.9 to 130.8. Average daily planetary A index rose from 12.1 to 24.4.

As Field Day looms, the current outlook from NOAA/USAF has solar flux at 100 on June 25-27; 105 on June 28-July 1; 115 on July 2, 125 on July 3-4; 120 on July 5-6; 125 on July 7-10, and 130 on July 11-20.

Predicted planetary A index is 25 and 8 on June 25-26, 5 on June 27 through July 4, then 25, 15 and 12 on July 5-7, then 10, 5 and 8 on July 8-10, 18, 12 and 8 on July 11-13, 5 on July 14-17, 8 on July 18-19, and 5 on July 20-31.

*Courtesy ARRL Newsletter*

### OHIO ARES "NVIS ANTENNA DAY" CONCLUDES: THE TRUTH IS UP THERE

Ohio ARES NVIS Antenna Day on April 25 attracted participation from some 100 Buckeye State stations in an effort to determine which configurations of near-vertical incidence skywave (NVIS) antenna offer the best results. ARRL Ohio Section Emergency Coordinator Stan Broadway, N8BHL, said that while the results of the unscientific test were inconclusive, some configurations did seem superior to others.

"The goal was simple: Try different antennas, see which worked," Broadway explained. "Each station was responsible for providing accurate signal reports, so performance could be evaluated. Results would be tallied and digested in hopes of creating a short list of winners that ARES teams could keep in their toolboxes."

Most operation was Field Day-style on 40 meters. "This was not a contest," Broadway pointed out, "so, groups gathered not only to test antennas, but to cook out and enjoy each other's company." He said one group had so much fun making contacts with their first dipole that they abandoned any further antenna work and just had fun.

Groups most frequently deployed simple dipoles. End-fed and longwires were popular too, as well as a handful of loops. A half-dozen antennas were based on the military AS-2259 <http://arrrl-ohio.org/SEC/nvis/Modified%20AS-2259%20NVIS%20Antenna.pdf> design -- crossed inverted Vs with about 10 feet of elevation in the middle. Other designs included antennas erected above ponds, inverted Ls, and even a Moxon aimed straight up.

"For our operation, there just wasn't that much difference between the more specialized NVIS designs and any good antenna," Broadway concluded. The longwire was among those at the bottom of the list, with signal reports uniformly 2 or 3 S-units below other choices, according to Broadway. "But contacts were made, and communication took place," he added. "It's a very portable antenna, too."

Determining the "best" antenna turned out to be harder. Dipoles -- flattops or inverted Vs -- installed at lower heights in keeping with NVIS concepts, provided reasonable reports, but erecting them at a low height didn't seem to make much difference. If any antenna topped the list, it was those fashioned after the AS-2259 configuration.

"These all performed very satisfactorily for their owners, and were uniformly given good signal reports," Broadway said. "They weren't 40 dB above the competition, but they were solid."

While the NVIS antenna experiment had inconclusive results, "we did prove that our hobby can be a lot of fun, even for the old heads, when we get back to some basics -- experimenting, equipment and team building, and trying our stuff out," Broadway said. Concluded Jefferson County participant Gregory Day, N8GD, "After 34 years, ham radio is still fun!"

Ohio ARES is planning an even bigger NVIS event next April, and will extend an invitation to neighboring ARRL sections to join in.

*Courtesy ARRL Newsletter*

*(Continued on page 5)*

*(Continued from page 4)*

### **ASTRONAUT SAMANTHA CRISTOFORETTI, IZ0UDF, SETS NEW RECORD FOR WOMAN IN SPACE**

European Space Agency Astronaut Samantha Cristoforetti, IZ0UDF, who returned to Earth June 11 with her crewmates -- NASA Astronaut Terry Virts, and Russian Cosmonaut Anton Shkaplerov -- has set a new record for the longest single space mission by a woman. Cristoforetti's duty tour on the International Space Station was extended by about a month, following the failure in late April of the Russian robotic Progress 59 cargo spacecraft to reach the ISS. The Progress went out of control, eventually burning up in Earth's atmosphere.

"Early start into Day 200 in #space <<https://twitter.com/hashtag/space?src=hash>>," Cristoforetti tweeted before boarding the Soyuz vehicle for the trip home. "It's been an amazing journey, thx for coming along! Now time to go home to Earth."

While in space, Cristoforetti, 38, conducted several Amateur Radio on the International Space Station (ARISS <<http://www.ariss.org>>) school contacts. She was to have returned to Earth in early May.

Cristoforetti, from Italy, set the record on June 6, when she surpassed the previous record of 194 days, 18 hours, 2 minutes, logged by NASA astronaut Sunita Williams, KD5PLB, during her time aboard the International Space Station in 2007. Cristoforetti's new record will come up just short of 200 hours, counting her flight back to Earth.

Cristoforetti, Shkaplerov, and Virts took off late last November from Baikonur Cosmodrome in Kazakhstan. Her departure from the ISS will leave Russian cosmonauts to support the ARISS program until late July, when Kjell Lindgren, KO5MOS; Oleg Kononenko, RN3DX, and Kimiya Yui arrive at the ISS as part of a scheduled crew rotation. Before flights were reshuffled, they had been scheduled to arrive in May. All three are set to return December 22.

NASA astronaut Scott Kelly and Russian cosmonauts Mikhail Kornienko, RN3BF, and Gennady Padalka, RN3DT, arrived on the station in March as part of the Expedition 43/44 crew increment. Kelly and Kornienko will remain on the ISS for 1 year. Padalka also will return to Earth in December.

The next Russian cargo craft, Progress 60, will launch in early July to deliver several tons of food, fuel, and supplies. The space station has sufficient supplies to support crews until the fall.

*Courtesy ARRL Newsletter*

### **COLORADO RADIO AMATEUR AIDS IN SEARCH**

Colorado Amateur Radio Emergency Service (ARES) volunteer Neal Tew, KD0MBL, responded on June 11 to a call from a search-and-rescue team that needed a radio operator. Colorado ARES R5D1 Emergency Coordinator Amanda Alden, K1DDN, said she got a call on her local UHF repeater from Dave Dickens, KE0AEG, and Pat Caulfield, KE0AEE, from Fremont County Search and Rescue.

"SAR was conducting a search for a possible body in the Arkansas River," Alden said. "They were short-handed and wondering if any ARES personnel could operate their radios during the search." She stressed that the volunteer would not be operating on Amateur Radio frequencies, just operating the search and rescue team's radios.

"The Arkansas River is a very popular river to raft, with over 150,000 rafters a year," Alden told ARRL. "The Colorado snow runoff has just begun and the river is running at its highest and fastest of the year."

So, Alden called Tew, whom she referred to as "the best operator I knew outside of my district," and he was available and agreed to help. He was assigned to the Incident Command Post and handled and logged all traffic on the state digital radio network for about 4 hours.

"He did a fantastic job and made ARES shine for our first time working with Fremont SAR," Alden said. Tew worked the mission from about 0930-1330. Caulfield said Tew was a quick study and was up and running within 15 minutes.

Alden said that searchers were unable to locate anything, and the search was eventually called off due to high water.

*Courtesy ARRL Newsletter*

*(Continued on page 6)*



## LEAGUE CONTINUES EFFORTS TO SECURE SENATE SPONSORSHIP FOR AMATEUR RADIO PARITY ACT OF 2015

ARRL representatives are continuing efforts on Capitol Hill to secure sponsorship for a Senate companion bill to the Amateur Radio Parity Act of 2015 -- H.R. 1301 <<http://thomas.loc.gov/cgi-bin/bdquery/z?d114:h.r.01301>>. ARRL Regulatory Information Manager Dan Henderson, N1ND, is optimistic that Amateur Radio Parity Act legislation will be active in both the US House and Senate this summer. The proposed legislation, which has bipartisan support, would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land-use restrictions.

"Progress has been made on a US Senate version of the bill," Henderson said this week. "We've had some very positive feedback on the Senate side, and we believe a companion bill will be submitted there soon."

Henderson stressed that when a companion US Senate bill is "dropped" -- submitted, in congressional parlance -- it will have a completely different number than the current House bill, H.R. 1301. Once that happens, ARRL members will be urged to contact their two US senators to encourage them to cosponsor the Senate bill. Until then, he stressed, League members should refrain from contacting any US Senators, because the only active bill is the one in the US House -- H.R. 1301.

"You can't ask US Senators to cosponsor a bill in the US House," Henderson said, "and you can't ask US House members to cosponsor a bill in the US Senate."

Henderson has been sorting through letters from ARRL members for hand-delivery to Capitol Hill. He advised that letter writers must include their name and address on their correspondence, because members of Congress are interested in voters. He said letters that are not signed, that don't include the constituent's address, or that are directed to the wrong Member of Congress cannot be used.

Henderson has spent a lot of his time recently meeting with congressional staffers and occasional US House members, in an effort to gain additional cosponsors for the bill. As of June 25, there were 79 cosponsors <http://thomas.loc.gov/cgi-bin/bdquery/z?d114:HR01301:@@@P> of H.R. 1301, and Henderson said he anticipates a few more House members will sign onto the bill soon.

The latest cosponsors of H.R. 1301 are Rep David Rouzer (NC) and Rep Janice Hahn (CA).

"The bill is being well received," Henderson said, "and we anticipate a mark-up session in the House Subcommittee on Communications, Technology, and the Internet after the August recess, and following that, hearings will be scheduled." US Rep Greg Walden, W7EQI, chairs the subcommittee that will consider the bill.

Henderson said the Congress's upcoming August recess would be a good time to meet with lawmakers while they are in their home states and districts. He suggested contacting a House member's local constituent office to arrange a visit. "It is not too early," he added. "Perhaps you could convince the member of Congress to visit your club meeting."

He also recommended that those interested in following the trajectory of H.R. 1301 should sign up to receive the ARRL's free Legislative Update Newsletter <<http://www.arrl.org/legislative-update-newsletter>>.

ARRL members are encouraged to contact their member of Congress by writing personalized, signed letters on paper, based on the sample letter available on the ARRL HR 1301 <<http://www.arrl.org/hr-1301>> web page. Letters should include the constituent's address. Send letters to ARRL Headquarters for hand delivery to the appropriate House members to: ARRL, ATTN HR 1301 Grassroots Campaign, 225 Main St, Newington CT 06111.

*Courtesy ARRL Newsletter*

## 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

An Alumni membership category is available for WARC members who are unable to attend meetings and club activities on a regular basis because of health considerations, travel impediments, or other hardships. Dues for the Alumni membership are \$10.00 annually. Please contact the Membership Committee for more information if interested."

### ATTENTION MEMBERS

The Membership Committee can provide Club badges. Two types are available: an engraved plastic callsign and name badge for \$5 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership 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](mailto:membership@k3dn.org).

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 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 2015

July – Microphones & Back to the Future - Andy KD3RF

August – Emergency Preparedness Part 2 Vinny K3VJP

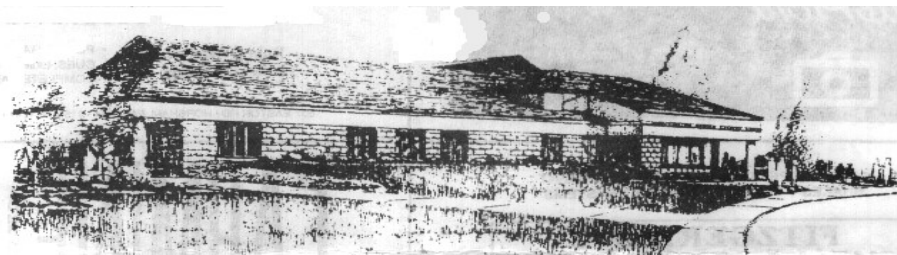
September- HomeBrew Night

December – Holiday Party

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.



### 2015 Contest Calendar

#### JULY

##### 11-12 IARU HF Championship

1200 UTC Saturday and ending 1200 UTC Sunday

#### AUGUST

##### 1-2 August UHF

1800 UTC Saturday, ends 1800 UTC Sunday

##### 15-16 10 GHz and Up - Round 1

6:00 AM local Saturday through 12:00 midnight local Sunday.

##### 16 RTTY Rookie Roundup

1800 UTC through 2359 UTC

#### SEPTEMBER

##### 5-6 [EME - 2.3 GHz & Up](#)

0000 UTC on Saturday through 2359 UTC Sunday

##### 12-14 [September VHF](#)

1800 UTC Saturday and runs through 0259 UTC Monday

##### 19-20 [10 GHz & Up- Round 2](#)

Operations may take place for 24 hours total on each contest weekend. Each weekend begins at 6:00 AM local Saturday through 12:00 midnight local Sunday.

### 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 2015 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 - 2015

#### July 4 - Eastern Pennsylvania Section Convention (Firecracker Hamfest)

Shumaker Public Safety Center - HACC 1 HACC Drive

Harrisburg, PA 17101

<http://www.w3uu.org>

#### July 11 - VALLEY FORGE HAMFEST

Kimberton Fire Company Fairgrounds Route 113 and Firehouse Lane

Kimberton, PA 19442

<http://www.marc-radio.org>

#### August 16 - Carroll County Tailgate Fest

Sportsman's Hall Skating Rink 15500 Hanover Pike

Upperco, MD 21155

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

#### September 13 - Gloucester County ARC Hamfest

Gloucester County 4-H Fairgrounds 235 Bridgeton Pike (Route 77)

Mullica Hill, NJ 08062

<http://www.w2mmd.org>

#### September 19 - DVRA Fall Hamfest

West Windsor Community Park Route 571

West Windsor, NJ

<http://w2zq.com>



### SKYWARN INFORMATION

**MOUNT HOLLY NWSFO SKYWARN Weekly Information Net: EVERY THURSDAY AT 21:00 HOURS**

**SKYWARN Net Repeater Listing/ Streaming Audio of scheduled SKYWARN**

**Net:** <http://www.skywarnnet.net>

**\*You do NOT have to be a certified SKYWARN Weather Spotter to check into the Net\***

**Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)**

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

**Mount Holly NWSFO SKYWARN Homepage:**

<http://www.erh.noaa.gov/phi/skywarn/index.html>

**SKYWARN Basic Weather Spotter Educational Programs URL:**

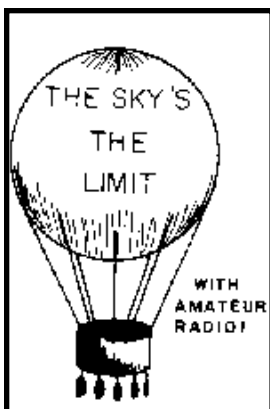
<http://www.erh.noaa.gov/phi/skywarn/training.html#sched>

### ➤ CLUB EQUIPMENT

WARC has 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, Vinny Porcaro K3VJP  
215-493-0783



### *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 Buergers  
147.030 Phil-Mont  
147.090 Warminster  
147.270 Frankford  
147.300 BEARS  
147.390 CBRA

#### 220

224.580 PackRats  
223.76 K3NAL

#### UHF

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

#### D-STAR

146.61000 K3PDR DV  
445.18125 K3PDR DV  
445.01875 AA3E Montco  
RACES

#### 6 Mtr

53.030 WA3BXW  
53.230 N3DQZ  
53.320 K3MFI

### 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**

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

## 2015 Officers

### Executive Officers

President	Tony Cuttone	W3FLH	267-679-9297
Vice-President	Vinny Porcaro	K3VJP	215-493-0783
Secretary	Andy Vavra	KD3RF	610 287-3295
Treasurer	Bill Ballantine	K3FMQ	215-766-0764
Director (A)	Michael Shanblatt	W3MAS	267-491-5773
Director (E)	Larry Abbott	WA3ELQ	
Director (A)	Jim Elmore	WA4YWM	215-538-1889
Director (E)	George Brechmann	N3HBT	215-443-5656
Past President	Irwin Darack	KD3TB	215-343-8170

### Committee Chairpersons

Archives			
ARES/RACES Liason	Karl Harris	K3KH	215-264-1855
Arrl Liason	Richard Luce	AG3L	215-441-8264
Awards Manager	Vince Pironti	KD3TC	215-674-0446
Classes	George Altemus	KA3WXV	215-855-3856
Digital and APRS	Ron Wenig	NY3J	215-638-9257
DXpedition	Doc Whitticar	W3GAD	215-968-6397
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 15	Mark Kempisty	AA3K	215-953-1493
Fundraising	Adam Huffnagle	KB3JCP	215-442-9526
Hamfest 15	Mike Karabin	WJ3O	215-317-4029
Hamwear	Herb Hickmott	KB3VMN	267-718-3601
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Vinny Porcaro	K3VJP	215-493-0783
Membership	Fred Pezok	K3MFP	
Membership	Andy Vavra	KD3RF	610 287-3295
Membership	Bill Ballantine	K3FMQ	215-766-0764
Net Manager	George Brechmann	N3HBT	215-443-5656
PA QSO Party	Mark Kempisty	AA3K	215-953-1493
Publicity	Bernice Kraut	KB3PCX	215-884-8195
Refreshments	Brandon Penglase	KC3DYT	
Refreshments			
RF Interference	Andy Vavra	KD3RF	610-287-3295
RF Interference	Bill Ballantine	K3FMQ	215-766-0764
Repeater Coordinator	Brian Taylor	N3EXA	215-257-6303
Safety Officer	Vinny Porcaro	K3VJP	215-493-0783
Skywarn Liason			
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	
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