



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

June 2014

Next Meeting June 5, 2014 – Field Day

President's Message

Well, I was mistaken. Our By-Laws state that the new elected Board takes effect on July 1st..... Hence, I write one more President's Message.

I hope you have been getting on the air lately. In May we found the top bands; 20M through 10M open late into the evening. Andy, KD3RF, even reported that he found 20M to open to Europe well past dark. This past weekend, there was a lot of activity for the CQWW WPXCW contest. Even with 100W, my KX3 and a Vertical antenna in the woods at my beach house, I had no trouble working station throughout Europe and Latin America. Another great contest to work station is the upcoming IARU World Championship contest, July 12th t 13th. This year the contest is being hosted in the US.

Even if you don't have a station at home, the club station will open 1 1/2 hours before our club meeting (6 pm to 7:30 pm). It's a great opportunity to get on the air. So, if you have a license and no home station...no more excuses to getting on the air!

April and May were active months for Public Service with the DeVal Activities Day, Bucks Boy Scout Jamboree and March for Babies, just to name a few. June and July look to be the same with Warminster Golf Outing on June 6th, Tour de Cure on June 7th and Alex's Lemonade Fun Walk/Run on July 20th.

And, Our Field Day on June 28th and 29th. Field Day gives us an opportunity to prepare for a disaster and allows everyone an opportunity to get on the air in a small contest type environment. The objective of Field Day is to work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and to learn to operate in abnormal situations in less than optimal conditions. Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. Our club competes against other clubs. Mark, AA3K, is our Chair Person for Field Day again this year.

Once again we are at the Shrine of Czestochowa. The Shrine will be featuring their National Catholic Bible Conference on Saturday evening June 28th and the Polish Scouts & Brownies Summer Camp runs from June 28th to July 12th. So, I expect we will have many visitors during this event.

At the June meeting we will be de-briefing both the Boy Scout Jamboree and our Hamfest and planning for the upcoming Field Day activities.

Elecraft recently announced a new 2M module for their KX3 radio. This will give the KX3 coverage on all the HF bands and add 2M. Joe, AA3JH, will be contacting Elecraft to see if we can get a group purchase for club members. They also announced a 4M module as this band is available in Europe.

Our club radio classes have finished for the Summer. Classes will begin again in the Fall, depending upon demand, most likely a Tech/General Class. At the May Board meeting, we had a discussion on offering a CW Class in addition to our regular classes. If you want to learn or expand your CW, and are interested in the CW class, please let us know at the meeting. I can surely use the help, as my CW copy is very challenged. I find a lot of both US and Dx station who use CW, and sometimes, it's the easiest way to work a rare Dx Station. Although not rare, recently I was able to work the W1AW/0 station in Missouri and the W1AW/7 station in Wyoming on CW. These W1AW stations from each of the ARRL Sections are part of the 100th year anniversary of the League

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and fun to work.

With the approval of our membership at the last meeting, we finally did it, and implemented electronic voting. Recently the Board approved new members through electronic voting. In the past, we had to wait until a Board Meeting to approve new members, sometimes delaying an application for a month before being approved. We have stepped into the electronic age.

Have fun and get on the Air!

Irwin, KD3TB

BUCKSJAM14

Warminster Amateur Radio Club supported the Scouts at the BucksJam14 at the Wrightstown Grange on Saturday May 17. The Club put up a complete radio station supporting 15, 20 meters SSB, 20 meters PSK31, also 2 meters using HTs. The HF station contacted over 35 stations covering 18 States.

We also had scouts "work" George (N3HBT), Mitchell (KB3MTW), Rich (AG3L) and others, everyone had a great time. I wish to thank all of the volunteers both on-site and offsite. The Radio operators were Tony (W3FLH), Ron (NY3J), Bill (K3FMQ), and Ray (KA3TRU). The support staff Al (WI3Z), Chris (KB3CET), Carl (KC3BRO), Adam (KB3JCP), and Mike (WE3L). If I missed any-one please let me know. Next time I will remember to have a sign-up sheet.

Again Thank you to all the people that helped to make this a special day for the Scouts and the Club.

Vinny K3VJP

A-DAY (DELAWARE VALLEY COLLEGE) SUMMARY

I didn't get a chance to include this in the last Feedback due to publishing time requirements.

Many thanks to all who helped out to make this event a success:

K3FMQ	Bill Ballantine
N3EMA	Joe Bagnick
KB3VMN	HerbHickmott
W3ESL	Frank Clayton
KA3TRU	Ray Oechslin
W3GAD	Doc Whitticar

Bill Ballantine gets a special thank you for going above and beyond. Bill spent a significant amount of time on location on Friday and Saturday, provided the antenna for the operation and made a special trip to the Senior Center on Saturday through heavy traffic to get the club banner for our use. Thanks Bill!

Also, although he was not able to operate, Andy, KD3RF, provided the radio for the operation. Joe, N3EMA, loaned us his Signalink for the PSK-31 operation.

We had 55 QSOs under some difficult conditions. There were a number of visitors who stopped by and we had some good conversations with them. Hopefully this operation increased awareness of Amateur Radio both in the general population and in the student population at Del Val. The latter will help Chuck, KB3YVS, in his endeavor to start a club at the college.

73, Jim WA4YWM

JUNE IS AMATEUR RADIO MONTH

I am pleased to inform all of our members our Governor's office has just issued a proclamation that June shall be Amateur Radio Month in Pennsylvania. A color copy of the proclamation is available in PDF, found in the files list at the bottom of our EPA section page at www.ARRL.org. Special thanks to our section state government liaison, Fredric T. Serota, K3BHX for his work in securing this honor for both the Eastern and Western PA sections.

Bob Famiglio, K3RF EPA SM

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CENTENNIAL QSO PARTY "RED BADGES ON THE AIR" ACTIVITY IS JUNE 1 (UTC)!

A reminder: The ARRL Centennial QSO Party <<http://www.arrl.org/centennial-qso-party>> "Red Badges on the Air" activity takes place on Sunday, June 1, from 0000 UTC (Saturday, May 31, in US time zones) until 2359 UTC. That's when ARRL officers, elected officials -- such as Director or Section Manager -- other Field Organization volunteers, and Headquarters staffers and volunteers will be on the air to help boost Centennial QSO Party point totals. The ARRL identification badges worn by these League volunteers and employees are red, hence the name "Red Badges on the Air."

Contacts with "Red Badges" are worth a lot of points <<http://www.arrl.org/centennial-qso-party#Table>> -- as much as 300 points per contact for working ARRL President Kay Craigie, N3KN -- so participants can increase their Centennial QSO Party tally very quickly. The event is an activity day, not a contest. Participants can call "CQ ARRL Centennial QSO Party" on phone or "CQ CENT" on CW or digital modes.

All activity is welcome, regardless of point value; every ARRL member is worth at least one point in the Centennial QSO Party. Participants get credit for each band/mode contact, regardless of point value. ARRL Centennial QSO Party participants can use the online leader board <<https://centennial-qp.arrl.org>> to determine how many points they have accumulated.

Other high-point contacts include: president emeritus (PE) or past president (PP), 275 points; honorary vice president (HVP) or ARRL vice president (VP), 250 points; director (DIR), director emeritus (DE), or past vice president (PVP), 225 points; vice director (VD), 200 points; section manager (SM), 175 points; ARRL officer (OFF) or past director (PD), 150 points, and past vice director (PV), 125 points.

Courtesy of the ARRL Newsletter

RED BADGES ON THE AIR

Yes, I will be on this weekend for "Red Badges on the Air", a Centennial QSO Party activity. I'll be on 40 meters and 80 meters for EPA members looking for section manager multipliers in this year long ARRL anniversary event. See the ARRL web page for details of this activity. I'll see you on the radio.

Bob Famiglio, K3RF
EPA SM

FOX-1 LAUNCH DATE SLIPPING INTO SUMMER OF 2015

AMSAT-NA <<http://www.amsat.org/>> has announced that its Fox-1 <http://ww2.amsat.org/?page_id=1113> CubeSat likely will not launch until the summer of 2015, "due to governmental priorities." The satellite was set to head into orbit in December of this year. Fox-1 is on the flight manifest for NASA's Educational Launch of Nanosatellites Mission 12 (ELaNa <http://www.nasa.gov/offices/education/centers/kennedy/technology/elana_feature.html>-12) group of satellites. The first phase of Fox satellites are 1-Unit CubeSats that will include an analog FM voice repeater to allow simple ground stations using a hand-held transceiver and a simple dual-band antenna to make contacts via the satellite. The Phase 1 CubeSats also can handle high-speed digital communication. Two Phase 1 Fox satellites have been accepted into the ELaNa program.

"This delay is mixed news for AMSAT," AMSAT-NA President Barry Baines, WD4ASW, said <http://ww2.amsat.org/?page_id=1105> in his latest AMSAT Journal "Apogee View" column. "While we are disappointed that this will mean that Fox-1 will not fly in 2014, it also means that we have more time to complete and test the spacecraft prior to delivery to SRI [Cal Poly]. In the overall scheme of things, it allows AMSAT to have greater confidence in the delivery of a thoroughly tested spacecraft by taking more time to allow for unforeseen contingencies and to do the ground testing."

The ELaNA-11 mission also has slipped, Baines said, and now is set to fly in the March/April 2015 time frame, instead

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of next February. Because both launches are being delayed, he said, the National Reconnaissance Office-Office of Space Launch (NRO OSL) has asked that CubeSats currently scheduled for ELaNa-11 or ELaNa-12 be delivered to Cal Poly by this October 1 -- 4 months later than the original Fox-1 delivery date but "with the potential for being flown on the earlier flight," Baines pointed out.

The downside is that the ELaNa-11 orbit is slightly different, with a lower apogee and inclination and with a shorter orbital life -- 6.5 years as opposed to 11 years for the ELaNa-12 mission. "Consequently, we're looking at the impacts of flying earlier, with the tradeoff of shorter mission duration," Baines said.

Baines pointed out that, as a secondary payload, AMSAT "is at the mercy of decisions by those who are 'paying the freight.'" As he put it, "We're benefiting from a launch paid for by the US Air Force; their mission priorities drive the launch opportunities."

He asked that AMSAT members also understand that such a free ride "comes with the expectation that launch schedules may indeed be altered to satisfy other requirements. Stay tuned."

AMSAT's Phase 2 Fox satellites will include software-defined-transponders (SDX) such as the one tested on ARISSat-1 <<http://www.ariss-eu.org/arissat-1.htm>>. The Phase 2 satellites will operate on a variety of analog and digital communication modes, including linear transponders. Because of power requirements, the Fox-2 satellites likely all will be 3-Unit CubeSats, AMSAT has said. -- Thanks to AMSAT News Service

Courtesy of the ARRL Newsletter

THE K7RA SOLAR UPDATE

Tad Cook, K7RA, Seattle, reports: Solar indicators continue to weaken. Average daily sunspot numbers declined from 129.4 to 103.3, and average daily solar flux went from 128.5 to 110.3. This is comparing May 22-28 to the previous 7 days.

The instruments used to measure solar flux at the observatory in British Columbia were overloaded on May 24, and the estimated solar flux was 118. The actual measured value was 124.5. Something went wrong at the Fredericksburg, Virginia, magnetometer that supplies our mid-latitude magnetic K and A indices, so there are no data for May 24-27. The mid-latitude A index numbers for those dates will appear in Friday's bulletin are also estimates, but they are my own.

The predicted solar flux values for Field Day weekend, Friday through Sunday, June 27-29, have also been declining. On May 15 the prediction was 125, 135 and 135. Then on May 19 they were adjusted down to 120 for all 3 days, and on May 26 the estimate declined again, to 108, 108 and 110. Field Day does not begin until Saturday, June 28, but it is useful to see the prediction for the day before.

The latest prediction has solar flux at 98 on May 29, 95 on May 30-31, 100 on June 1-2, 95 on June 3-4, 105 on June 5, 120 on June 6-8, 125 on June 9-11, 120 on June 12-13, 115 on June 14, and 110 on June 15-25.

Predicted planetary A index is 8 on May 29-30, 5 on May 31, 8 on June 1, 5 on June 2-4, 8 on June 5-6, 10 on June 7, 8 on June 8, and 5 on June 9-30.

This weekly "Solar Update" in The ARRL Letter is a preview of the "Propagation Bulletin" issued each Friday. The latest bulletin and an archive <<http://arrl.org/w1aw-bulletins-archive-propagation>> of past propagation bulletins is on the ARRL website.

Courtesy of the ARRL Newsletter

MICHELLE, KB3MTW, GETS PACKRAT AWARDS PRESENTED BY JOE, WA3SRU



Shown are 2 pics of Joe giving Michelle, KB3MTW, her Certificate of Participation and her award for Most Improved Score. These were the result of the January VHF Contest. Michelle did not make the awards meeting due to being under the weather. So, Joe brought them to the WARC Meeting to give them to her.

Michelle used to operate from her old Condo, which was a real feat due to being on the middle of 3 floors in a building with rebar and concrete. She moved to her new Condo, on the top floor with a large deck. She operated on four bands and is preparing to add two more. She has gone a long way to improve her station and signal. She increased her score by 127.9 %.

ARRL RESPONDS TO UKRAINIAN AMATEUR RADIO LEAGUE REGARDING DXCC STATUS OF CRIMEA

The ARRL has responded to an appeal <http://uarl.org.ua/load/zvernennja_lru_v_arrrl/13-1-0-387> from the Ukrainian Amateur Radio League (UARL) to "consider the information regarding the status of Crimea as temporarily occupied territory." UARL President Vladimir Grishchenko, UT0FT, told the ARRL on May 3, that Russia's "illegal annexation" of Crimea "does not change the status of this territory, which legally belongs to Ukraine." ARRL CEO David Sumner, K1ZZ, on May 21 acknowledged the UARL's position and reiterated the ARRL Awards Committee's determination that the annexation did not lend Crimea status as a new DXCC entity.

"We appreciate the high regard you have expressed for the DXCC program," Sumner wrote. "However, the list of DXCC entities is simply for the purpose of giving radio amateurs a consistent way to compare their DX achievements. It is not intended to express a position with respect to sovereignty and should not be regarded as such."

The Awards Committee has concluded that a QSL with a call sign issued by Ukraine and showing the entity name as Ukraine counts as Ukraine, while a QSL with a call sign issued by Russia and showing the entity name as Russia counts as Russia. "A QSL that satisfies neither condition does not count for either entity," the committee said.

Grishchenko had pointed out that the UN does not recognize Crimea's annexation, and that the US government is "currently working actively to preserve the territorial integrity of Ukraine." He further asserted that, according to the International Telecommunication Union (ITU), Ukraine is responsible for spectrum usage in Crimea, and that only Ukraine can issue licenses, despite what he called Crimea's "temporary" status as an occupied territory.

Grishchenko had asked the ARRL to consider this information when determining "the conditions of meeting award requirements, as well as in determining the winners of competitions held."

Sumner told Grishchenko that the ARRL Awards Committee's determination "is consistent with the treatment, for DXCC purposes, of other territory that may be described as either 'temporarily occupied' or disputed."

"We join the world community in the hope that the difficulties and uncertainties currently being faced by the people of Ukraine will be resolved peacefully and with full regard for human rights," Sumner concluded.

Courtesy of the ARRL Newsletter

A CENTURY OF AMATEUR RADIO AND THE ARRL

You may have read about the dispute starting in 1919 and running well into the 1920s, about spark versus CW on the amateur bands. Although CW was easily proven to be better than spark, some real diehard hams held down the spark camp. Before the inevitable changeover, many an ugly insult was hurled back and forth between those two opposing camps.

A similar situation developed when single sideband started pushing aside good ol' AM phone, with its double sideband plus carrier. It was a long time before most of the intransigent AMers gave up and went to SSB. Before reaching Amateur Radio, single sideband had been used successfully in commercial transoceanic telephony circuits as early as 1927. But, it proved both difficult and expensive to build transmitting equipment using the components and techniques available at the time. In Amateur Radio, the number of hams prior to World War II was small enough to be accommodated within our frequency allocations, so there was little interest in SSB and its narrower bandwidth; they didn't need it.

Advances in radio technology during WW II yielded two important improvements that enabled post-war hams to get on SSB fairly easily and at reasonable cost: Stable VFOs and mechanical filters. A small number of hams started building SSB exciters. Many of them didn't convert their amplifiers from their former Class C function to a linear class of operation, however, so they made merry with 15 or 20 W, showing the AM operators what SSB could do, even with low power.

The cover of QST for January 1948 showed an oscilloscope presentation of SSB at work, with the editorial and three articles in that issue introducing "s.s.s.c." (single sideband, suppressed carrier) to the amateur community. And then, the problems started.

Most SSB operators tried friendly persuasion on their AM ham brethren, as they demonstrated the advantages of SSB. Many of these discussions became heated, however, often escalating to intentional interference wars. It was not pretty, and it was a downright embarrassment to the ham community.

Most phone operators eventually came to realize, however, that SSB was truly better than AM phone, and they migrated to the new communication mode. To this day, though, many AM proponents pride themselves on their excellent on-the-air signals. Some are pursuing nostalgia; others enjoy the engineering challenge of tweaking older gear to obtain the best-sounding full-carrier AM signals.

Soon after SSB was introduced to Amateur Radio, transmitter kits became available from manufacturers, notably from Heathkit, which many of us remember fondly. Manufacturers also started offering ready-made SSB transmitters, as well as receivers designed for good SSB reception. Throughout this changeover period, the ARRL, via many articles in QST, encouraged hams to use SSB.

-- Al Brogdon, W1AB

Courtesy of the ARRL Newsletter

CLUB INFO**PUBLIC SERVICE**

Warminster Golf Outing - George, N3HBT
Tour de Cure - Michael KB1JEY

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.

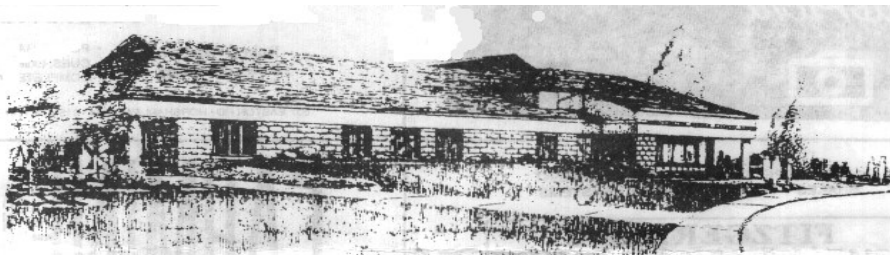
If you want to have your picture taken to be placed on the 'Members' Photos' section of the www.k3dn.org website, please contact Membership with your interest. When we get enough people who are interested we will post a notice in Feedback and have a camera ready at the following club meeting.

**PROGRAMS
2014****June 5 - Field Day**

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.**



2014 Contest Calendar

JUNE

14-16 **June VHF** 1800 UTC Saturday through 0259 UTC Monday
 21 **Kids Day** 1800 UTC through 2359 UTC
 28-29 **Field Day** 1800 UTC Saturday through 2059 UTC Sunday

JULY

12-13 **IARU HF World Championship** 1200 UTC Saturday and ending
 1200 UTC Sunday

AUGUST

2 - 3 **August UHF** 1800 UTC Saturday through 1800 UTC Sunday
 16-17 **10 GHz and Up** 6:00 AM local Saturday through 12:00 midnight
 local Sunday
 17 **Rookie Roundup - RTTY** 1800 UTC through 2359 UTC

QSO Parties

Alabama QSO Party 1600Z, Jun 7 to 0400Z, Jun 8

➤ ATLANTIC DIV. HAMFESTS - 2014

June 14 - Bloomsburg Hamfest

Lime Ridge Community Center 6405 4th Street Lime Ridge, PA
<http://www.qsl.net/cm-arc/>

June 27 - RadioActivity 2014 Holiday Inn Timonium

9615 Deereco Road Timonium, MD
<http://www.maarc.org>

July 5 - Eastern Pennsylvania Section Convention (Firecracker Electronics Expo & Hamfest)

Harrisburg Area Community College 3599 Industrial Road
 Harrisburg, PA 17101
<http://www.w3uu.org>

July 12 - Valley Forge Hamfest

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

July 20 - MARYLAND HAMFEST AND COMPUTER FEST

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

August 17 - Carroll County Tailgate Fest

Carroll County Agricultural Center 706 Agriculture Center Drive
 Westminster, MD 21157
<http://www.qis.net/~k3pzn>

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 2014 test fee is **\$15.00**.

Warminster Amateur Radio Club,

Monthly, Last Mon. 7:00 pm at the Wilson Senior Community Center 580 Delmont Avenue Warminster, PA 18974
 George Brechmann (215) 443-5656.

Atco, NJ, The fourth (4th) Tuesday of each month, at 7 p.m. Winslow Township Senior Center, 33 Cooper Folly Road, 08004-2603.

Mark (K2AX) jtra@comcast.net

Levittown, PA, Monthly, 3rd Monday at 6:30. Falls Township Building - Ben Johns, K3JQH, 215-657-5994

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

Philadelphia, PA, Testing is done on the 4th, non holiday Thursday of the month at the, Community Ambulance Association of Ambler, 1414 E Butler Pike, Ambler PA 19002 at 7:00 PM We also are testing on Saturdays at least once per quarter at 9:00 AM. For further information contact James McCloskey at jmccloskey@msn.com and by phone 215-275-2979.

Lansdale, PA Testing on the first non-holiday Tuesday of the month starting at 7:00 PM. The Lansdale Library Community Room Vine St. and Susquehanna Ave. Lansdale, Pa. Registration is required 48 hrs. or more before the scheduled exam date. If there are no registrations the scheduled exam date will be canceled. NO WALK-INS. You can register by contacting:

Olaf N. Markert ----- Phone (610) 517-5074, E-mail w3pa@arrl.net

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

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

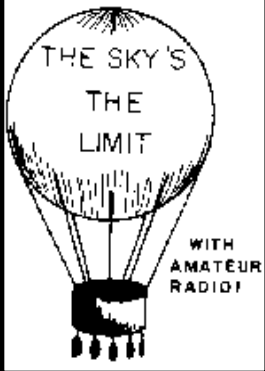
6 Mtr

- 53.030 WA3BXW
- 53.230 N3DQZ
- 53.320 K3MFI

*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.



Bucks County Amateur Radio Emergency Service (BCARES)

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

Winlink Gateway Stations:

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

Net Schedules

Sunday	2100	10 Meter Net	28.445 MHz
Wednesday	2030	2 Meter Net	147.09 Rptr.
Wednesday	2030	Linked w/ 2 Meter Net	443.95
Rptr. Wednesday	2030	Linked w/ 2 Meter Net	53.230 Rptr.
Sunday	2030	Informal Net	223.5 Simplex
Thursday	1900	Mont. Cnty RACES Net	146.835 Rptr.

Are you submitting an article for the Feedback ?

Contributions of articles to be published are always accepted for consideration. Please follow these guidelines:

- E-Mail to:
wa4ywm@comcast.net
Or via snail mail to:
FEEDBACK EDITOR
Warminster Amateur Radio Club
Box 113
Warminster, Pa 18974
- Use both upper and lower case letters.
- Use your program's spell check.
- If you don't have a computer, then typewritten sheets are o.k. but please use both upper and lower case.
- Put your name and call at the beginning or end of the article, and show credits if you are using material from another source.
- Deadline for articles is the Saturday before the regular meeting.

For general club correspondence:
k3dn@k3dn.org

Visit our Home Page at:
<http://www.k3dn.org>

The annual dues rate structure is as follows:

Full Member:	\$ 20.00
2nd Family Member:	\$ 10.00
Student:	\$ 10.00
Alumni:	\$ 10.00
Associate:	\$ 5.00

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

2013 Officers

Executive Officers

President	Irwin Darack	KD3TB	215-343-8170
Vice-President	Richard Luce	AG3L	215-441-8264
Secretary	Alan Ash	KA3YCG	215-357-9286
Treasurer	Bill Ballantine	K3FMQ	215-766-0764
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 14	Mark Kempisty	AA3K	215-953-1493
Fundraising	Adam Huffnagle	KB3JCP	215-442-9526
Hamfest 14	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
Publicity	Bernice Kraut	KB3PCX	215-884-8195
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
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	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