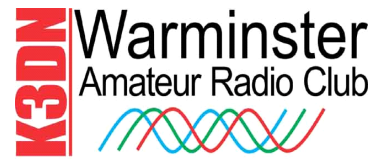




FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

May 2015

Next Meeting May 7th, 2015 - Field Day & Logging Software

President's Message

As you read this Feedback, our Hamfest has already occurred and hopefully the weather has cooperated and it was a very successful Hamfest. Our thanks to Mike, WJ3O, who did a great job in coordinating everything this year and everyone who volunteered.

May Meeting - Thursday, May 7th. At our next Club Meeting we will debrief the Hamfest, Election of Officers and results from our Club Survey.

Getting on the Air. With all of my Spring chores this year, I have not had the opportunity to be on the air much. Contest season has come to a close - the major ones with only a few minor ones throughout the summer. Unless you are into VHF/UHF contesting. The ARRL VHF contest is the weekend of June 13th. Field Day this year is June 27th and 28th and once again WARC will participate at the National Shrine of Our Lady of Czestochowa in Doylestown. Doc, W3GAD, is our Field Day Chairperson this year and is currently looking for Band Captains.

Club News.

- **Election of Officers.** By now every member of WARC has received an invitation for electronic voting of Officers. For those who did not vote electronically, we will have paper ballots at the May meeting.
- **Membership List.** Our membership list is now up to date. If your Email address changes, please remember to update it by sending an email to membership@k3dn.org. We will use this updated Email address list for our upcoming Club Elections and other club communications.

Refreshment Chairperson. Brandon, KC3DYT, has volunteered to be our new Refreshment Chairperson. He is looking for someone to assist him.

Have fun and get on the Air!

Irwin, KD3TB
WARC President

WARC General Meeting – Minutes of 4/2/15

Meeting called to order by (President) Irwin KD3TB at 7:28pm

Introductions:

Microphone passed around: 44 licensed attendees + 1 guest

Minutes of previous meeting were accepted as published in Feedback.

Treasurers Report:

Bill K3FMQ – As reported

Programs:

April is the Hamfest update from Mike WJ3O, Board/Director nominations, and a recap of the ARISS/CRSD contact by Andy KD3RF & Joe AA3JH.

May will be Elections, as well as a debriefing of the Hamfest, and a review of the email survey.

June is Field Day prep, and a Logging Software review/demo.

July is Keys/Mics with Andy KD3RF.

August is tentatively set for the second half of Vinny's K3VJP Emergency Preparedness presentation.

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Membership:

111 members are currently in good standing, with 25 now beyond the grace period. Get your dues up to date everyone!

Public Service:

George N3HBT has (3) events on the horizon:

March of Dimes Walk for Babies (4/26); multiple ops required.

Warminster Twp. Memorial Day Parade (5/25); several ops needed.

Warminster Chamber of Commerce Hole-in-One Golf Tourney {Five Ponds GC} (6/4); approx. 6 ops needed.

Michael KB1JEY is looking for ops for the Valley Forge Revolutionary Run on (4/19); contact him directly for more info.

Classes:

Ended on 3/30, with 2 newly licensed hams – Congratulations from WARC, and welcome to Ham Radio!

VE Session:

George N3HBT informed us that 4 people showed for the latest session, with 100% passing their respective tests. Congrats to all!

Club Station:

George N3HBT reports that WX still has not cooperated, meaning the antenna is still to be installed. A volunteer for this work would be greatly appreciated. All other equipment is ready for operation.

Good & Welfare:

Vince KD3TC noted that Don WA3DON has become an SK. WARC sends its condolences to his family and friends.

Repeater:

Brian N3EXA reports no issues with the machine. Echolink needs a new PC and software. He is working on the details of installing our new Fusion machine on 440MHz. He expects it to be online by the end of May.

Old Business:

The results of our first ever email survey have been published in Feedback, and are posted to our website (www.K3DN.org). Irwin KD3TB will be giving a follow up analysis of the survey at our May meeting.

New Business:

George N3HBT and Andy KD3RF announced the acquisition of more donated equipment to the club. This donation was made by Bill Biermann NZ3Z; WARC is extremely appreciative of such a large and generous contribution to our club, and we all extend our sincere thanks to Bill. The donation consists of two complete stations, as well as several miscellaneous items. Andy has researched values for all items, and Vinny K3VJP & Mike W3MAS have agreed to inspect the items for operability and condition. These items will be offered to WARC members (in good standing) as a “Silent Auction” via email, with unsold items then being offered at the club table at our Hamfest. The Board has voted to offer one of the stations (Ten-Tec 565 w/PS) to the Council Rock South students & staff to help kick start a school club station. WARC’s donation will be contingent upon the teachers to advance to at least General Class (so they can act as control ops), with Mike W3MAS as their Elmer.

Committees:

Bill K3FMQ updated us his progress with the club’s insurance policy. He has consulted with Bob K3RF (ARRL Asst. SM) regarding our current policy. Bob will review and advise his thoughts. The Board has offered several opinions regarding various inclusions to an updated policy, including risks/liabilities that may not have been previously addressed. This issue is ongoing, and will be addressed at a later date.

Bill K3FMQ & Bob KB3QAJ are our Nominating Committee for 2015. They are seeking candidates for all open offices, including the entire Executive Board, as well as (2) Directors. The search has proven difficult, with several positions yet to be filled. Any members in good standing interested in a leadership position within the club are heartily encouraged to contact either of them about possibly running for office. Voting for elected positions will be conducted both electronically (via Survey Monkey) as well as in person at the May meeting.

We are still in need of a refreshment committee. Rich AG3L undertook this last month, however due to work schedule constraints is unable to continue, forcing us to omit refreshments from the April meeting. The Board is actively seeking volunteers to step up, else this facet of our meetings will go unfulfilled.

We are also looking for Field Day Chair, as Mark’s AA3K work schedule has him out of town most times. Doc W3GAD has agreed to step up and co-Chair with Mark to ensure another successful FD Weekend – thanks, Doc!

Meeting adjourned (7:50pm).

Submitted by Tony, W3FLH, Secretary (4/21/15)

THE K7RA SOLAR UPDATE

Tad Cook, K7RA, Seattle, reports: There were no new sunspots over the April 23-29 reporting period, although the previous 7 days saw new sunspots every day -- and April 21 had two new ones. Solar flux and daily sunspot numbers declined. The average daily sunspot number dropped from 120.9 to 60.7, and average daily solar flux went from 150.4 to 119.8.

Predicted solar flux for April 30 through May 1 is 95, 100 on May 2-3, 105, and 110 on May 4-5, 115 on May 6-7, 135 on May 8-9, 130, and 125 on May 10-11, 130 on May 12-14, then 125, 130, and 125 on May 15-17, 120 on May 18-19, and 115 on May 20-23. Flux values are forecast to drop to 110 for May 27-29, then rise to 135 for June 3-5.

Predicted planetary A index is 10 on April 30 through May 1, 8 on May 2, 5 on May 3-11, 25 on May 12, 20 on May 13-14, then 12, 8, 12, 20, 12, and 8 on May 15-20, and 5 on May 21-25.

Download my archive of these forecasts, updated daily, for flux values <<http://www.filedropper.com/filemanager/public.php?service=files&t=326dd41340bab1066cf91d13df36b8fd>> and Ap index <<http://www.filedropper.com/filemanager/public.php?service=files&t=be2a0a69fb6392907dc3d9a017dcace1>> (click the "Download this File" button; files are Excel spreadsheets).

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/wlaw-bulletins-archive-propagation>> of past propagation bulletins is on the ARRL website.

Courtesy ARRL Newsletter

TEN-TEC and Alpha Change Hands

Less than a year after TEN-TEC and Alpha Amplifiers merged under the [RF Concepts](#) banner, the companies have changed hands again. RKR Designs LLC of Longmont, Colorado, announced on April 2 that it had acquired the two brands' assets from RF Concepts. RKR said it plans to expand the product line while "continuing to service their customers."

RKR Designs principals are Ken Long, N0QO, Richard Gall, and Rich Danielson. Long, with more than 20 years in the electronics and Amateur Radio industries, will be president and CEO of the new company. Gall and Danielson of QSC Systems in Longmont have been a successful contract manufacturer for over 20 years. QSC has been building Alpha amplifiers for more than 5 years, and boards for TEN-TEC since RF Concepts bought the company last year.

RKR Designs LLC is privately held, and the terms of the acquisition were not disclosed.

Courtesy ARRL Newsletter

UTAH GROUP PUTS BROADBAND-HAMNET TO WORK FOR FOOD PROJECT

A small band of Amateur Radio volunteers in Utah's Salt Lake Valley successfully used a broadband Wi-Fi network set up on the 2.4 GHz amateur band to help coordinate the Boy Scouts of America's (BSA) "Scouting for Food" project on March 21. Scouting for Food is the Boy Scouts' annual community service event, in which Scouts collect items for donation to a food bank. Local radio amateurs provide both voice and digital mode communication.

This year for the first time they used a Broadband-Hamnet <<http://www.broadband-hamnet.org/>> (BBHN) system that coupled modified wireless router gear operating on amateur frequencies to create a peer-to-peer Wi-Fi network to share audio and video over a generous patch of real estate. BBHN is a descendent of the former ARRL High Speed Multimedia (HSMM) Working Group efforts <http://www.arrl.org/files/file/Technology/tis/info/pdf/QEX_Nov_2004_p3-18.pdf>, earlier known as the "Hinternet" and pioneered by John Champa, K8OCL (SK), and others in the early 2000s.

"[W]e would call it Wi-Fi on steroids!" said David Bauman, KF7MCF. The Utah hams linked 13 nodes across the valley to form a network "that is like a mini private Internet," Bauman explained. They then used this network to send live video and audio back to the BSA Headquarters, showing them what was happening at food drop-off sites and at the [truck dispatch] headquarters. Bauman called it "a huge step forward in technology from the old days of Morse code." Retired clergyman Robert Jelf, KG7OHV, of Magna, headed up the team.

Just outside BSA Headquarters near the University of Utah, Brandon Bauman, KG7RWO, was able to watch via his laptop as volunteers miles away dropped off canned food items and as YRC freight dispatched trucks to pickup sites around the valley. Brandon was part of an Amateur Radio group that assists the Boy Scouts in the Scouting for Food Project each year by providing communications. This marked the first time BBHN technology was used to support the project in the Salt Lake Valley. Their Wi-Fi net-

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work, known as a wireless mesh network, was able to cover a large portion of the valley.

"The farthest point from our hub site was 8.5 miles across the city through a narrow path lined with lots of manmade objects for signals to bounce off," Jelf said. "While the mesh group was used to show video of the dispatch of trucks and of truck trailers at collection points within the hub site path, collection took place throughout the Wasatch Front area and elsewhere in Utah." Read more <<http://www.arrl.org/news/utah-group-puts-broadband-hamnet-to-work-for-food-project>>.

Courtesy ARRL Newsletter

TWO MORE RADIO AMATEURS JOIN INTERNATIONAL SPACE STATION CREW

The ISS ham radio population expanded to three, following the arrival of NASA astronaut Scott Kelly and Russian cosmonauts Mikhail Kornienko, RN3BF, and Gennady Padalka, RN3DT, on March 28 (UTC). Kelly, 51, and Kornienko, 54, will remain aboard the ISS for 1 year -- the longest space mission ever assigned to a NASA astronaut.

European Space Agency Astronaut Samantha Cristoforetti, IZ0UDF, will head back to Earth in May, after Kjell Lindgren, KO5MOS; Oleg Kononenko, RN3DX, and Kimiya Yui arrive at the ISS as part of a scheduled crew rotation. Cristoforetti has conducted several Amateur Radio on the International Space Station school contacts during her ISS duty tour.

Courtesy ARRL Newsletter

AMSAT: AMATEUR RADIO PAYLOAD COULD SHARE SPACE ON GEOSYNCHRONOUS SATELLITE

There is big news on the Amateur Radio satellite front. AMSAT-NA <<http://www.amsat.org>> has announced that, if all goes according to plan, an Amateur Radio payload will go into space on a geosynchronous satellite that's planned for launch in 2017. As opposed to the more typical low Earth orbit, a geosynchronous orbit would permit an Earthbound ham at a given point within the satellite's footprint to access the satellite at approximately the same time each day. According to AMSAT Vice President-Operations Drew Glasbrenner, KO4MA, the satellite's potential footprint would extend over the US from the Mid-Pacific to Africa. AMSAT said it has accepted the opportunity to be a "hosted payload" on a spacecraft that Millennium Space Systems (MSS <<http://www.millennium-space.com/>>) of El Segundo, California, is under contract to design, launch, and operate for the US government. Past AMSAT Director and former Vice President-Engineering Bob McGwier, N4HY, said the Amateur Radio payload must be delivered for testing and integration by the spring of 2016.

"It is an ambitious schedule, and all involved will have to gain and maintain a serious level of commitment," said McGwier, the Director of Research at Virginia Tech's Hume Center for National Security and Technology. The AMSAT announcement on April 25 followed an April 13 meeting at MSS to discuss the project.

According to AMSAT, the transponder is expected to support a wide range of voice, digital, and experimental advanced communications technologies. A decision is expected soon regarding the specification of the microwave uplink and downlink bands.

The AMSAT Board of Directors has signed on to the project, and AMSAT expects to be involved in developing both the ground station and the RF payload. It will also serve as the Amateur Radio payload operator, once the satellite has been launched. Read more <<http://www.arrl.org/news/amsat-amateur-radio-payload-could-share-space-on-geosynchronous-satellite>>.

-- Thanks to AMSAT News Service via Bob McGwier, N4HY, and others

ARMED FORCES DAY 2015 CROSSBAND COMMUNICATIONS TEST TO OFFER NEW MODES

The annual Armed Forces Day <<http://www.defense.gov/afd/>> Crossband Communications Test <http://www.navymars.org/central/reg4/FL/FLNMCMARS/CrossBand/2015%20ANNUAL%20ARMED%20FORCES%20DAY.pdf> set for Saturday and Sunday, May 9-10, will offer Amateur Radio operators a chance to try their hand at using more modern military communications modes, such as MIL-STD Serial PSK. Also new this year is the inclusion of a crossband Automatic Link Establishment (ALE) test. The Army, Air Force, Navy, Marine Corps, and Coast Guard cosponsor the joint military/Amateur Radio event, which this year marks the 65th Armed Forces Day and the 90th anniversary of the Military Auxiliary Radio System (MARS). Armed Forces Day 2015 falls on May 16, but the crossband test is held on the earlier weekend to accommodate those visiting Dayton Hamvention May 15-17.

The annual event is a unique opportunity to test two-way communication between Amateur Radio and military stations. It features the traditional military-to-amateur crossband SSB voice, CW, MT63, and AMTOR FEC, plus MIL-STD Serial PSK and ALE, both new this year.

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Those interested in trying the MIL-STD Serial PSK mode can download the free MS-DMT http://www.n2ckh.com/MARS_ALE_FORUM/MSDMT.html software. A complete list <https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbm15bWFyc3BvcnRhbHxneDpmOWNiYjk1YWQxN2YxNjA> of participating military stations, operating modes, and times of operation is on the US Army MARS website, as well as on its Facebook <https://www.facebook.com/HQArmyMARS?ref=hl> page. Read more <http://www.arrl.org/news/armed-forces-day-2015-crossband-communications-test-to-offer-new-modes>.

Courtesy ARRL Newsletter

THE SINKING OF THE LUSITANIA: A HAM RADIO CONNECTION?

Several Amateur Radio special event stations will be on the air in early May to commemorate the 100th anniversary of the sinking of the Cunard Line's RMS Lusitania -- at one time the world's largest ship -- off the coast of Ireland. As one of the events precipitating US entry into World War I, the sinking of the Lusitania by Germany on May 7, 1915, claimed some 1200 lives, although another 800 or so of those aboard survived.

GB100MFA <http://www.lusitania-gb100mfa.uk> will operate during the entire month of May from the UK, with members of the Radio Officers Association at the helm from the lightship Planet in Liverpool, Lusitania's home port and its ultimate destination on its voyage from New York. EI100MFA <http://www.ei4gzb.com/ei100mra-Lusitania/> will be on the air from Ireland May 3-10. MFA was the ship's call sign.

Other announced operations include KC9HYY/LUS100 <http://www.qrz.com/db/kc9hyy>, operating May 1-9 from Wisconsin; N2L, operating May 1-15 by the Great South Bay Amateur Radio Club (GSBARC <http://www.gsbarc.org/>) from Long Island, New York, and WW1USA <https://theworldwar.org/amateurradio>, operating May 9-10 from the National World War I Museum in Kansas City, Missouri, by the Santa Fe Trail Amateur Radio Club.

According to wireless history accounts, it was a radio amateur, Charles Apgar, 2MN, of Westfield, New Jersey, who finally figured out the significance of the odd buzz-like transmissions he'd heard emanating evenings from German Telefunken station WSL in Sayville, Long Island. As recounted http://www.campevans.org/_CE/html/p-7Countspy.html by the late Phil Petersen, W2DME, Apgar not only was curious, but suspicious.

"Apgar had a very advanced sensitive Armstrong regenerative receiver that he modified to make off-the-air recordings on a cylinder recorder," Petersen wrote. "Suspecting that WSL was transmitting secret intelligence at very high speed, Apgar further modified his audio recorder to greatly reduce the speed on playback. As he suspected, the 'buzz' was actually secret Morse code sent at very high speed." Apgar turned his recordings of WSL's transmissions over to the US Secret Service, which seized the station in July 1915.

WSL officials "were charged with sending illegal secret messages regarding allied and neutral shipping," Petersen recounted. "It was also believed that the German submarines obtained secret information that led to the sinking of the passenger ship Lusitania. After the government seized the station, sinkings by U-boats greatly decreased."

Read more <http://www.arrl.org/news/the-sinking-of-the-lusitania-a-ham-radio-connection>.

Courtesy ARRL Newsletter

CLUB INFO

PUBLIC SERVICE

Warminster Memorial Day Parade, scheduled for Monday (5/25), with a rain date of Saturday (5/30). Multiple operators will be needed; more info to follow.

Warminster Chamber of Commerce will hold their annual Hole-in-One challenge at Five Ponds Golf Course on Thursday (6/4). About 6 operators should be needed for this event.

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.

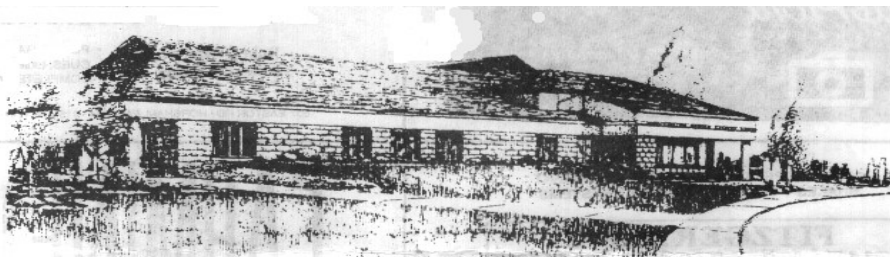
PROGRAMS 2015

May - Elections / Hamfest Recap Mike WJ3O/Pizza night
 June - Field Day / Logging Software
 July - Microphones - 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

JUNE

13-15 VHF

1800 UTC Saturday, runs through 0259 UTC Monday

21 **Kids Day**

1800 UTC through 2359 UTC Sunday

27-28 **Field Day**

1800 UTC Saturday and running through 2059 UTC Sunday

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 though 12:00 midnight local Sunday.

16 **RTTY Rookie Roundup**

1800 UTC through 2359 UTC

QSO Parties

Indiana 1600Z, May 2 to 0400Z, May 3

Delaware 1700Z, May 2 to 2359Z, May 3

New England 2000Z, May 2 to 0500Z, May 3 and 1300Z-2400Z, May 3

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 jmccliskey@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

May 24 - Memorial Day Hamfest

Howard County Fairgrounds

2210 Fairgrounds Road

West Friendship, MD 21794

<http://www.marylandfm.org>

June 21 - BARC Father's Day Hamfest

Arcadia Volunteer Fire Company Grounds 16020 Carnival Avenue

Upperco, MD 21155

<http://www.gbhc.org>

June 25 - RadioActivity 2015

Holiday Inn Timonium

9615 Deereco Road

Timonium, MD

<http://www.maarc.org>

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>

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

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

*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

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

2015 Officers

Executive Officers

President	Irwin Darack	KD3TB	215-343-8170
Vice-President	Vinny Porcaro	K3VJP	215-493-0783
Secretary	Tony Cuttone	W3FLH	267-679-9297
Treasurer	Bill Ballantine	K3FMQ	215-766-0764
Director (A)	Michael Shanblatt	W3MAS	267-491-5773
Director (E)	Joe Horanzy	AA3JH	215 962-9592
Director (A)	Jim Elmore	WA4YWM	215-538-1889
Director (E)	Andy Vavra	KD3RF	610 287-3295
Past President	Richard Luce	AG3L	215-441-8264

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	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