



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

August 2015

Next Meeting August 6th, 2015 - Emergency Preparedness

President's Message

August is here, and as the summer moves along at such a brisk pace, I wonder how most of us are finding time to fit ham radio into our schedules? My Summer Project is to get a mobile rig installed in my new (to me) truck. If anyone is interested in mobile radio, the site I rely on heavily is Alan's K0BG website: <http://www.k0bg.com/> which is dedicated to everything mobile. Do you have a radio related project you're undertaking this summer?

Thanks to the efforts of several WARC members, notably George N3HBT & George KC3ESH, the dipole antenna has been reinstalled at the Wilson Center and our club station is back on the air! Thanks to everyone who lent a hand getting the antenna up, and please make use of the station now that it is back in action.

There are two contests on the horizon that should pique the interest of our members: August 1-2 is the ARRL UHF contest, and August 16 is the Rookie Roundup-RTTY. Both are great chances to get active in the middle of Summer, and the Rookie Roundup gives some our newly licensed operators a chance to get their feet wet in digital operating/contesting.

This month's meeting topic is Part 2 of Vinny's K3VJP Emergency Preparedness presentation, and next month is our Homebrew Night. Bring out your HB gadgets and show 'em off!

See you at the meeting on August 6!

de Tony, W3FLH
73

AGENDA & MINUTES Warminster ARC General Meeting July 2, 2015

Attendance:

Call to Order

Vinny K3VJP introduced Tony W3FLH who called the meeting to order at 7:29 PM. Tony expressed his thanks to the membership and praised the new board for the progress made in the past year.

Introductions - pass mic

Minutes from last Meeting

Additions/Corrections? - Motion to approve or approve as amended?
Tony asked for a motion to approve. Approved unanimously

Committee Reports

Field Day Update – Discuss cancellation (Doc, W3GAD and Board)

Doc W3GAD briefed the members on the field day cancellation.

The WX forecast didn't look promising and the Board made the decision to cancel due to the WX conditions. Permit fees were waived by the township, which saved the club \$300 in unnecessary expense.

(Continued on page 2)

(Continued from page 1)

If we had access to a building or pavilion it would have been a different situation, but no pavilions were available this year. Some members expressed disappointment, others had not read or responded to their emails or Warctalk regarding the announcement, but showed up anyway.

Some members wanted to operate after the storm, but ground conditions and with use of electricity in that situation the consensus of the Board was that for the safety of the members and because we were in a public park it was better not to risk an accident or injury.

Doc expressed thanks to the Board for taking responsibility for the decision and closed with a request for suggestions, but also asked for a 90 day lead time. AA3K suggested we consider a club activity around PAQSO party.

Treasurer's Report: (Bill , K3FMQ)

To be emailed by K3FMQ.

Programs: (Vinny, K3VJP)

Tonight – Andy KD3RF spoke about microphones
August -Emergency Preparedness
September- Homebrew
October- Council Rock NASA
November – ARRL Night TBD
December – Holiday party

Membership (Vinny, K3VJP)

Membership Updates (Vinny, K3VJP)

We have 121 paid members in good standing. Please verify your email and contact number

Public Service (George, N3HBT)

None coming up

Classes (George, KA3WXV)

Special request from group of Preppers in Bensalem who are interested in Tech classes. The WARC Board will take-up this issue at their next meeting

Current WARC Tech classes are in the 6th week of progress and 2 or 3 of the students have already passed the test. There will be new classes announced for the 2nd week of Sept. Tech + others possible

VEC Testing (Larry - WA3ELQ)

We had 3 new techs pass + 1 extra passed in the last month.

Repeater

Echolink is down.

440 fusion is working but not linked to the 2 meter repeater.

449.725 is linked to 147.09.

6 Meter is not linked. We need more members to buy into Fusion to start using the digital modes. Fusion works both analog and digital modes.

Good and Welfare

Vince KD3TC sent a few cards in June to members who lost family members. Anyone who needs a card should reach out to Vince or any of the Board members.

Other Committees

No announcements

(Continued on page 3)

(Continued from page 2)

Old Business

Club Station Status:

Tony W3FLH reported that the antenna still needs to be set up and is looking for members to assist with an antenna party on a day when weather is better.

Contact any Board member.

Refreshments at Club Meetings:

Brandon is doing a great job. Thanks!

New Business**WI3Y (Dave Simpson) Outstanding Ham - Club Award –**

Tony W3FLH briefed the membership on a proposed award that WARC should create a WI3Y award to be presented to a single member once a year in recognition for significant achievements or contributions to Amateur Radio.

In addition to a plaque recognizing the member's contribution the club will also donate \$100 to the ARRL Spectrum Defense in the awarded member's name.

General members may submit nominations and the WARC Board will take them under consideration and vote on all nominations received throughout the year. The award will be announced in December at the holiday party.

The Board made the decision to award Dave's recognition while he is still well enough. Doc WA3RAU mentioned that Dave is back home, but is very weak. K3ZMA visited and reported that Dave is very weak and can hardly talk.

Club Website and WARCtalk Updates

There is a proposal to make WARCtalk a members only benefit. The Board is moving in that direction with the goal to accomplish the changes this current year. The Board is also investigating an update to the K3DN website and has requested Al, WI3Z's assistance and leadership.

Motion to Adjourn

Motion was made to close the meeting at 8:01 PM.

K7RA SOLAR UPDATE

Tad Cook, K7RA, Seattle, reports: All daily sunspot numbers dipped into the double digits last week, with the average declining from 73.7 to 43.4. This compares the latest July 16-22 period with the previous 7 days. Over the same periods, average daily solar flux slid from 114.8 to 95.1.

Geomagnetic indices were mostly quiet, with the average daily planetary A index going from 13.7 to 6.1, and the average mid-latitude A index declining from 12.3 to 8.1.

Predicted solar flux is 90 on July 23; 95 on July 24-25; 100 on July 26-27; 105 on July 28-29; 110 on July 30-31; 115 on August 1-4; 110 and 105 on August 5-6; 100 on August 7-9; then 95 on August 10-13, dipping to 85 by August 15 and then peaking weakly at 115 on August 28-31.

Predicted planetary A index is 15 on July 23; 10 on July 24; 8 on July 25; 5 on July 26-30; 19 on July 31; 25 on August 1; 12 on August 2; 5 on August 3-5; then 20, 25, 15, 10, and 8 on August 6-10; 5 on August 11-15; 10 on August 16; 5 on August 17-18; then 15 and 10 on August 19-20, and 5 on August 21-26.

(Continued on page 4)

(Continued from page 3)

Here is an interesting Space.com article <http://www.space.com/30012-mars-rover-curiosity-sunspots-far-side.html> about how far side views of the Sun from the STEREO mission are disrupted, because the satellite's transmissions back to Earth are blocked by the Sun. But the Curiosity rover on Mars fills in.

ARRL COMPLAINS TO FCC ABOUT THE HOME DEPOT'S MARKETING OF RF LIGHTING DEVICES

The ARRL has filed a formal complaint <http://www.arrl.org/files/media/News/Home%20Depot%20Complaint%20Letter%20FCC%2007142015%20Filing%20Copy.pdf> with the FCC, alleging that The Home Depot retail chain has been marketing certain RF-ballast lighting devices in violation of FCC Part 18 rules. Accompanying the League's July 14 letter to FCC Enforcement Bureau Spectrum Enforcement Division Chief Bruce Jacobs and Office of Engineering and Technology Laboratory Division Chief Rashmi Doshi was a 20-page report <http://www.arrl.org/files/media/News/Home%20Depot%20Ballast%20Report%202015%20Gruber%20Filing%20Copy.pdf> prepared by the ARRL Laboratory's Mike Gruber, W1MG. His report outlines four instances in which ARRL investigated The Home Depot's marketing and sale to consumers of non-consumer-rated RF lighting devices.

In three cases, The Home Depot sold non-consumer devices having far greater emission limits and intended for commercial use to consumers who specifically expressed plans to use the devices in residential settings. Although notices accompanying the store's display and included with some devices purchased indicated that they were for commercial use, the information did not specify that the devices could not be used for residential purposes. In the case of products that did include such a notice, the information was not visible without opening the packaging.

"Clearly Home Depot's marketing and sale of non-consumer ballasts is not adequate to ensure compliance with FCC Part 18 requirements," Gruber's report concluded. The ARRL asked the FCC to "investigate and commence an enforcement proceeding" regarding The Home Depot's retail marketing and sale of RF lighting devices in the US.

In its letter, the League noted that it has received numerous complaints from the Amateur Radio community of "significant noise" in the bands between 1.8 and 30 MHz from so-called "grow light" ballasts and other RF lighting devices regulated under FCC Part 18 rules. Gruber said emissions from grow light ballasts have been measured in the ARRL Lab to be way above both non-consumer and consumer Part 18 emissions limits.

Although otherwise-legal non-consumer rated ballasts -- the subject of ARRL's complaint -- are not nearly as problematic as grow lights, they can still cause interference beyond what would typically be expected or easily addressed in a residential environment. The devices at issue in the League's complaint are only legal in commercial and industrial environments, and they should not be used for residential purposes due to the higher Part 18 emission limits permitted for industrial and commercial devices.

The League said its investigations in several states revealed an alarming number of instances in which non-consumer-rated ballasts were mixed in with consumer ballasts and other consumer products.

"In most of the stores surveyed, unsuspecting consumers have no way of knowing the significance of consumer vs. non-consumer ballasts," the League said. "In some cases, 'commercial' grade ballasts, with their associated non-consumer emission limits, appeared to be a heavier duty or superior product. The display signage typically used implies, therefore, that commercial ballasts are also a product upgrade for home use." The ARRL said that store display signage typically did not mention or adequately address applicable FCC Part 18 requirements, as they pertain to interference in a residential environment.

The League said consumers in three of the four instances it investigated made actual purchases of RF lighting devices at The Home Depot retail outlets and "specifically asked about residential deployment of non-consumer RF lighting ballasts." The ARRL said it's apparent that The Home Depot -- and, by inference, other similar retail stores -- is "actively and knowingly engaged" in selling commercial RF lighting products to customers for use in residential settings.

"If this activity is left unchecked the Commission will continue to note a deterioration in ambient noise levels and pre-

(Continued on page 5)

(Continued from page 4)

clusive interfering signals for both AM broadcasters and Amateur Radio licensees in the entirety of the high-frequency bands," the League's complaint said.

The ARRL asked the Commission to "take appropriate action" with respect to The Home Depot and other retail outlets marketing such RF lighting devices "without delay."

A copy of the letter was sent to The Home Depot's Atlanta, Georgia, Store Support Center.

Courtesy ARRL Newsletter

INEXPENSIVELY MADE SATELLITE CLOSING IN ON 2 YEARS IN ORBIT AND STILL TICKING

At just a few months shy of turning 2 years old, the \$50SAT <<http://www.50dollarsat.info/>> Amateur Radio "PocketQube <<http://www.pocketqubeshop.com/meet-the-pocketqube-team-50sat/>>" microsatellite -- also known as Eagle 2 (MO-76) -- is still operating, although it's not entirely well either. The satellite, which transmits on 437.505 MHz at a power of 100 mW, may be heard using a handheld transceiver, but it does not include a transponder. Launched in late 2013 from Russia, \$50SAT is a collaborative education project of Prof Bob Twiggs, KE6QMD, of Kentucky's Morehead State University, and three other radio amateurs -- Howie DeFelice, AB2S; Michael Kirkhart, KD8QBA, and Stuart Robinson, GW7HPW.

Formerly of Stanford University, Twiggs and Jordi Puig-Suari of Cal Poly are the co-inventors of the CubeSat model. \$50SAT's stated purpose was to evaluate if the PocketQube form factor offered a cost-effective means for engineering and science students to use in developing real-world skills. The "\$50" is a bit of a misnomer. The tiny satellite actually was constructed from about \$250 worth of parts. Kirkhart recently offered an update on \$50SAT, which measures just 5 × 5 × 7.5 cm and weighs 210 grams.

"The good news is [that] it is still operating. The bad news is the power situation has been degrading, with an apparent step change on or near May 12, 2015, followed by another on June 23, 2015," he recently posted.

Kirkhart, who lives in Michigan, said his last full telemetry capture was on May 27, and the last time he heard \$50SAT was on June 6. "I continued to attempt to listen for it for another week or so, and heard nothing," he said. \$50SAT transmissions repeat about every 75 seconds, starting with an FM slow Morse code call sign beacon, data at 60 WPM Morse, and FSK RTTY data and digital data telemetry.

Since then, Kirkhart has been monitoring the satellite via the WebSDR <<http://zr6aic.giga.co.za:8902>> site of Anton Janovsky, ZR6AIC, as \$50SAT makes daytime passes over South Africa. "During these passes, where it has already spent a significant amount of time in sunlight, the battery voltage is below 3400 mV," he said.

Kirkhart speculated that while loss of battery capacity is likely, "it appears the low battery voltage is due to low solar power output." He said this could be a result of solar cell damage; since there was no protective covering on the solar cells, the impact of high-energy particles could have damaged the solar cells, resulting in a drop in output. He also said the solar cells could have been damaged through thermal cycling. A short circuit is another possibility, but, Kirkhart said that, because of the limited amount of telemetry gathered, "it may not be possible to determine the exact cause."

He said that if the solar output continues to drop, the battery voltage may never get above the 3300 mV threshold needed to enable the transmitter, "at which point we will lose the ability to monitor its status."

"Even if this does happen," Kirkhart continued, "we never really thought it would last this long. We would have been happy if it just worked, and really happy if it lasted a month or two." -- Thanks to AMSAT News Service and Southgate ARC

Courtesy ARRL Newsletter

(Continued on page 6)

ARRL Dues to Rise in 2016

The Board approved a \$10 increase in the League's annual dues rate, effective January 1, 2016. In so doing, the Board adopted a recommendation of the Administration & Finance Committee. ARRL basic dues have been held at \$39 a year since 2001. ARRL CEO David Sumner, K1ZZ, said the League has done as much as it can to hold off a dues increase for more than a decade, but now it's a necessity, not an option.

"One of the most difficult decisions a membership organization faces is a dues increase," he said. "Over the past 14 years we have managed to hold the increase in expenses to just 19 percent, against a US inflation rate of 32 percent over the same period," he continued. "We have implemented operating efficiencies that allowed reducing the staff by 15 percent while expanding the range of services to members and to Amateur Radio as a whole. We created a development program, offering to those members who have greater financial capacity an opportunity to support their national association at a higher level."

Enhanced membership services since 2001 include inauguration of Logbook of The World® (LoTW <<http://www.arrl.org/logbook-of-the-world>>); a digital edition of QST at no additional cost; expanded QST and video product reviews; upgraded public service support including the Ham Aid <<http://www.arrl.org/ham-aid>> program, Emergency Communications Training <<http://www.arrl.org/emergency-communications-training>>, and the ARES® E-Letter <<http://www.arrl.org/ares-e-letter>>; the Education & Technology <<http://www.arrl.org/education-technology-program>> program and Teachers Institutes on Wireless Technology, and the Amateur Radio on the International Space Station (ARISS <<http://www.ariss.org>>) program. Sumner said that advocacy on behalf of Amateur Radio has included relentless defense of Amateur Radio spectrum, the Amateur Radio Parity Act, and an increased awareness of the value of Amateur Radio on Capitol Hill.

Details of ARRL's revenues and expenditures are available in its Annual Report <<http://www.arrl.org/annual-reports>> archive for the years 2002 to 2014. The cost of a basic ARRL membership will rise to \$49 on January 1, 2016. An ARRL Life Membership, now \$975, will increase to \$1225.

Courtesy ARRL Newsletter

PARTY BALLOON CARRYING HAM RADIO PAYLOAD CIRCLES SOUTHERN HEMISPHERE A SECOND TIME

After traveling for more than 110,800 km (68,696 mi) aloft, the record-setting pico balloon PS-46, carrying an Amateur Radio payload, completed its second circumnavigation of the Southern Hemisphere, before descending into the Indian Ocean on July 18 due to bad weather. The helium balloon and its solar-powered 25 mW payload were launched on May 23 by Andy Nguyen, VK3YT.

"It was an exciting but also an exhausting eight weeks for many hard-core trackers," Nguyen said. "Their perseverance ensured the balloon was tracked almost around the clock. It was hard work, and the little party balloon was becoming part of the daily routine for many of us."

More than 20 "regulars" were among those who tracked the high-altitude flight, monitoring the payload's 20 meter signals in WSPR and JT9 modes. Stations in Virginia and Florida, as well as in Peru and Argentina were among those hearing the balloon's beacon.

The last station to hear the balloon was Vince, ZS6BTY, in Pretoria, South Africa. The balloon had been at an altitude of about 9000 meters (29,530 feet), but quickly descended into the ocean.

PS-46 had circumnavigated the Southern Hemisphere the first time in 12 days, and it was starting its third trip around when it went down. Read more <<http://www.arrl.org/news/party-balloon-carrying-ham-radio-payload-circles-southern-hemisphere-a-second-time>>.

-- Thanks to Jim Linton, VK3PC

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 call sign and name badge for \$5 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership when a facial photo is provided by you. Please see members' photos on club website for proper facial composition. If you do not have at least a Warminster Amateur Radio Club badge with your picture on it, please contact your Membership Chairs at the WARC monthly meetings. Otherwise, please contact Membership by email at: membership@k3dn.org.

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

PROGRAMS 2015

August – Emergency Preparedness Part 2 Vinny K3VJP

September- HomeBrew Night

October - Council Rock NASA

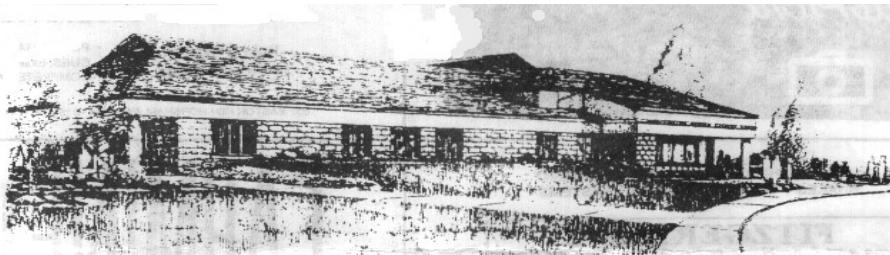
November - ARRL Night

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

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

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 though 12:00 midnight local Sunday.

QSO Parties

Maryland-DC 1600Z, Aug 8 to 0400Z, Aug 9 and 1600Z-2400Z, Aug 9

Hawaii 1400Z, Aug 22 to 0400Z, Aug 24

Ohio 1600Z, Aug 22 to 0400Z, Aug 23

Kansas 1400Z, Aug 29 to 0200Z, Aug 30 and 1400Z-2000Z, Aug 30

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 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

➤ ATLANTIC DIV. HAMFESTS - 2015

August 8 - READING RADIO CLUB HAMFEST

Heritage Park 992 Clematis Street Sinking Spring, PA

<http://www.qsl.net/w3bn/>

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>

October 2 - Mid-Atlantic States VHF Conference

Holiday Inn Bensalem - Philadelphia Area

3327 Street Road Bensalem, PA 19020

<http://www.packratvhf.com>

October 3 - Delaware State Convention (Delmarva AR & Electronics EXPO)

Sussex Technical High School

17099 County Seat Highway Georgetown, DE 19947

<http://www.radioelectronicsexpo.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

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

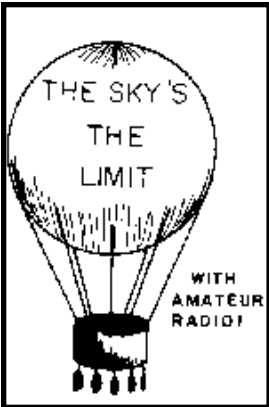
6 Mtr

- 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	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	215-704-3282
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