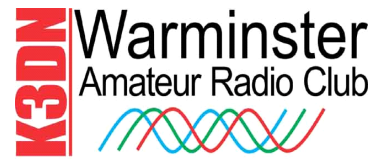




FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

January 2015

Next Meeting January 8th, 2015 - Emergency Preparedness

President's Message

Another year has gone by, and what a year it has been. I am glad to see 2014 come to an end and hoping this year's winter will not be as bad as the last one. December was our annual Holiday dinner with an excellent turnout, good food and door prizes. It was a great time to socialize and many members brought their spouses, family members and friends to join them. One of my granddaughters joined us and had a wonderful time helping out and chance to meet the people from Mars she hears me talk to on the radio. Well...she thinks they are from Mars!



January Meeting - Thursday, January 8th. Our next Club Meeting will be held one week later due to the New Year's Holiday. We will meet at the same location; Ben Wilson Senior Center in Warminster. January's meeting will include a presentation by Vinny, K3VJP, on Emergency Preparedness. Future meeting topics include: Annual Club Auction in February and Antenna Analyzers in March.

Getting on the Air. I hope everyone had a opportunity to get on the air for the annual ARRL 10 Meter contest in December. The 10 Meter band was wide open to Europe in the morning and Asia in the afternoon. In January we find the ARRL RTTY Roundup (January 3rd to 4th), North America QSO Party - CW (January 10th to 11th) and ARRL VHF contest (January 24th - 26th among many others. Dx'peditions in January include JD1 OGASAWARA from December 28 until January 10, KH2, GUAM from December 27 until December 30. and T8, PALAU from December 25 until January 5, 2015. On any day you will find openings on almost all of the bands. Just turn on your radio, listen and have fun.

The last week of December, W1AW/3 from Pennsylvania will be on the air. Andy, KD3RF, Bill, K3FMQ, Ken, KE3C, and myself, KD3TB, will be operating on December 29th from 4 pm to 7pm. As part of the 2014 ARRL Centennial; W1AW stations from each state and US Territory have been on the air. I have worked a number of them. This comes to an end in December.

Club News.

Hamfest. Mark your calendars now! Our 2015 Hamfest is scheduled for Sunday, May 3rd. Thanks to Mike, WJ30, for stepping up and taking on the leadership of Hamfest Chairman for 2015. Mike will be giving us an update at the January meeting.

Membership List. As WARC implements electronic voting and member surveys, we need to have a Master Emailing list of all members. Currently we have a number of mailing lists that include Feedback, WARC-talk, Website access Lists, etc, that have not been updated or validated against our Master Membership List in many years. When we looked at these lists we find multiple email addresses for the same individual and numerous email addresses that are not associated with a Name or Call Sign. In addition, we use only WARC-Talk and Feedback to communicate with our members. You have the option to opt-out of receiving Feedback or WARC Talk, but as we implement electronic voting and member surveys in the future, we still need a way to communicate with our members. Both Vinny, K3VJP and Andy, KD3RF are working on this project for the club.

Club Chairpersons Positions:

Membership Chairperson Needed. Bill, K3ZMA and Michelle, KB3MTW, have done a wonderful job in managing our Membership lists. They have asked us to identify a new Chairperson for this important role in our club.

New Award Chairperson. The board has created a new position in our club to coordinate future club member awards. We are looking for a creative individual who can help us identify and manager awards for club members who contribute their time in both community and club activities.

Please see me or any member of the Board at the meeting if you are interested in these positions.

Annual Dues. January is also our month for collecting our annual club dues. These dues help our club support a number of both club and community services. Once again the Dues for membership will remain at \$20 for regular members. Your dues benefit you and help the club support the following:

(Continued on page 2)

(Continued from page 1)

Repeater System + Used for Emergency Management
Field Day
Hamfest - including Club member only table for selling
Club Presentations
Club Auction
Club Station
Club Meetings + Refreshments
License Classes
Club Station
WARC Talk
Feedback

Dues can be paid electronically at <http://www.k3dn.org/paydues.htm>

or by check to:

Warminster Amateur Radio Club, Inc.

P.O. Box 113, Warminster, PA 18974

- **Repeater.** To advance our Club's Repeater system into the Digital World, the Board has authorized, Brian N3EXA, to purchase a new Yaesu Fusion Repeater for the clubs 440 repeater. The YAESU DR-1 is a digital/conventional FM dual mode repeater that covers the VHF and UHF amateur radio bands. This new repeater controller will allow us to add Digital FM communications to the 440 machine, will still allowing Analog FM communications. Yaesu has been offering these repeaters at a discounted price to clubs. There have been a number of articles written in CQ Magazine on the new Yaesu Fusion Repeater and other clubs in the area are in the process of, or already have, implemented them.

Club Classes. Our club radio classes will start again in the Spring with Tech Classes being offered.

Have fun and get on the Air!

Happy Holidays to everyone for a joyous and warm Holiday Season!

Irwin, KD3TB
WARC President

SDR DONGLE ARTICLE

As you may recall, Mario N2HUN gave a presentation on dongles at a membership meeting in late 2014. The article he wrote in this on-line magazine will be of interest to members who heard his presentation.

Go to the following link and find the article on page 76.

[TELE-audiovision - The World's Leading Digital TV Industry Publication](#)

ARRL CENTENNIAL WAS

If there are any members who succeeded in working all the W1AW portable stations for the Centennial celebration in 2014, send me your name and call and I will publish the list in the February Feedback.

I got my 50th with Delaware in the last week of November.

Your Editor - WA4YWM

**New Meeting Date
Thursday, January 8th 2015
7:30 PM
Ben Wilson Senior Center**

Warminster Amateur Radio Club will move its meeting date in January . Same location, same time.

(Continued on page 3)

Warminster Amateur Radio Club Dues \$20.00 Due in January 2015

Our club member dues are collect annually in January of each year. Your dues benefit you and help the club support the following:

- Repeater System + Used for Emergency Management
- Field Day
- Hamfest - including Club member only table for selling
- Club Presentations
- Club Auction
- Club Station
- Club Meetings + Refreshments
- License Classes
- Club Station
- WARC Talk
- Feedback

Dues can be paid electronically at <http://www.k3dn.org/paydues.htm>

or by check to:

Warminster Amateur Radio Club, Inc.
P.O. Box 113, Warminster, PA 18974

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Preparations Under Way for January DXpedition to Iran

Preparations continue on the part of the Rockall DX Group to make Iran — #33 on ClubLog's [DXCC Most Wanted List](#) — available through a DXpedition to Kish Island (IOTA AS-166). Look for [EP6T](#) starting on January 16. While the emphasis will be on 160 meters, the DXpedition will operate on all bands, 160 through 10 meters. EP6T plans to remain active until January 26. Organizers say the theme of the expedition will be “friendship and cultural tolerance.”

“We hope to make a lot of people happy,” team member Luc Kerkhofs, ON4IA said. “The setup will be about the same as [previous operations] [9U4U](#) and [TN2T](#), but we realize that it will be a much more difficult path.” Kerkhofs, who has installed some impressive low-band receiving antennas at his Meeuwen, Belgium, location, said that if space is available, the team will erect some Beverages for short and long path to North America, with a pair of end-fire phased delta loop receiving antennas as backup.

A dedicated 160 meter station will be on the air starting at local sunrise and sunset for the first two nights, in order to work as many Europeans as possible and to check when signals peak to North America. The planned transmitting antenna is a 26-meter (85.3 feet) vertical with 50 quarter-wave radials. Kerkhofs said the operators will attempt to be fair in giving all continents a crack at working Iran on 160. After the first two nights, operators will start concentrating on North American stations, although they concede that paths to North America on Top Band will be dicey and of short duration.

Since word first spread of the planned DXpedition, many groups and individuals have offered support, including the Northern California DX Foundation. The organizers say that preparations are “progressing smoothly and according to plan.” M0URX will be the QSL manager. The EP6T log will be uploaded to Logbook of The World ([LoTW](#)), once the DXpedition has concluded.

The group will use Elecraft K3 transceivers plus amplifiers. Although 160 and 30 meters are not allocated to Amateur Radio in Iran, the group has obtained permission to use them for the EP6T DXpedition. There will be no 6 meter operation, however, since that band is allocated to fixed, mobile and broadcasting services in Iran.

Iran has 80 million citizens and only 13 radio amateurs. As a result of the group's more than 3-year effort to obtain permission to operate in Iran, 60 students have already passed their licensing exams and should be able to receive an EP call in the near future.

Courtesy of the ARRL Newsletter

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(Continued from page 3)

A Century of Amateur Radio and the ARRL

By 1998, hams were communicating via the new OSCAR 27 satellite using hand-held transceivers and whip antennas.

In early 1998, the FCC inaugurated its new Universal Licensing System (ULS). The Commission also required ham radio applicants to use a new Form 610, on which they had to certify that they had read and would comply with the new RF safety rules. The ARRL continued efforts to protect against any possible reallocation of Amateur Radio spectrum.

On September 1, 1998, the ARRL launched a members-only section of its website, which provided many features of interest to amateurs. *The ARRL Letter*, previously available only via the ARRL website, was thereafter e-mailed directly to subscribing members. By April 27, 1999, some 50,000 members had signed up to access members-only content.

In the late 1990s, the FCC launched a new era in Amateur Radio enforcement. The persistent efforts of the ARRL and recent FCC administrative and staff changes led to the revived enforcement. On January 13, 1999 -- in an unusual move -- Riley Hollingsworth, K4ZDH, special counsel in the FCC Enforcement Bureau, broke in on a 75 meter contact that had degenerated into a nasty confrontation. He got the participants settled down and then stayed on frequency to make a few remarks about enforcement.

Palestine was added to the *DXCC List*, effective February 1, 1999. Later that month a multinational group of DXers operated from Gaza as E44DX, making more than 33,000 contacts and giving thousands a new DXCC entity.

In early 1999, PSK31 was becoming very popular, with many users considering it to be a replacement for good old RTTY as a keyboard-to-keyboard mode. Also by 1999, amateurs had developed automated meteor-scatter stations for VHF use -- thanks to APRS, good computers, high-speed Morse, innovative software, and ham ingenuity.

On December 30, 1999, FCC issued its *Report and Order* on Amateur Radio license restructuring. Beginning on April 15, 2000, the FCC would issue just three license classes -- Technician, General, and Amateur Extra -- and impose a single 5 WPM Morse code requirement for General and Amateur Extra applicants. No then-current license holders lost any privileges, and "old" Technician licensees were able to apply for a General license with no further testing.

And then came Y2K...with none of the breakdowns of society, communications systems, ATMs, aircraft, *ad nauseum*. Everything kept running smoothly. But ARRL used the occasion to revamp *QST*. The editorial staff had spent months developing a profile of the typical ham in order to guide them in making *QST* the magazine that members wanted. In January 2000, *QST* began publishing new columns about QRP, mobile and portable operation on HF and VHF, vintage radio gear, and the "*QST* Workbench." This was in addition to formatting changes to make the magazine more attractive. Starting with the December 2000 issue, all editorial content was printed in full color.

By 2000, several states had proposed bans on cell phone use while driving. ARRL began carefully monitoring the various pieces of proposed legislation, to be sure that operating Amateur Radio equipment while driving would not be included among the prohibitions.

On November 16, 2000, AMSAT-OSCAR 40 -- Phase 3D -- was successfully launched into orbit. Initial testing began, but the spacecraft suddenly fell silent. Following many unsuccessful recovery attempts, AO-40 came to life on Christmas Day, with many of its capabilities restored.

During the early 1990s, the ARRL sought to convince the FCC to address the problem of Amateur Radio antenna restrictions and prohibitions by CC&Rs. The FCC declined, so the League then began efforts to convince Congress to direct FCC to do so.

In July 2001, the ARRL petitioned the FCC to allocate 5.250 to 5.400 MHz to Amateur Radio.

At its July 2001 meeting, the ARRL Board of Directors endorsed the Logbook of The World (LoTW) concept, and Headquarters staffers began the massive push to make LoTW a reality.

In September 2001, the ARRL presented an Amateur Radio demonstration and tutorial to FCC commissioners and staff members. ARRL President Jim Haynie, W5JBP, headed the ARRL contingent, and the show-and-tell was deemed a great success.

Amateur Radio mobilized and provided communication support following the terrorist attacks of September 11, 2001, on the World Trade Center and the Pentagon. The following month, the FCC established a Homeland Security Panel to plan for restoration of communications links following terrorist attacks.

In October 2001, a rash of bio-terrorist (anthrax) threats to federal government facilities caused FCC processing of licensing and other matters to be significantly delayed.

The FCC announced that all applicants must register for and obtain a 10-digit FCC Registration Number (FRN), in order to do business with the Commission after December 3, 2001. -- *Al Brogdon, WIAB*

Courtesy of the ARRL Newsletter

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(Continued from page 4)

The K7RA Solar Update

Now that we are just barely into the New Year 2015, I'll review Cycle 24 progress during 2014. It now seems certain that this cycle peaked in the spring of 2014, but, fortunately, solar cycles typically decline at a slower rate than they rise, so this cycle peak should have plenty of life left.

Solar activity softened over the week of December 25-31, as compared to the previous week. Average daily sunspot numbers dropped 30 points from 132.9 to 102.9, and average daily solar flux was down 55.7 points to 134.9.

Predicted solar flux on January 2-3 is 140, then 145 on January 4-5, 150 on January 6-7, 155 on January 8, then 150, 155, 160, 170, and 175 on January 9-13, 180 on January 14-16, then 175, 165, 155, 140, 135, and 130 on January 17-22, 125 on January 23-24, 130 on January 25-26, 125 on January 27-28, 120 on January 29-31, then peaking at 180 on February 10-12.

Predicted planetary A index is 10 on January 2, 15 on January 3-5, 10 on January 6-7, 8 on January 8, 10 on January 9-10, 12 on January 11, 5 on January 12-20, then 10, 15, and 5 on January 21-23, 10 on January 24-28, then 12, 20, 15 and 12 on January 29 through February 1, 5 on February 2-3, and 18 on February 4.

OK1HH sent another geomagnetic prediction this week. He expects the geomagnetic field will be quiet to active January 2, active to disturbed January 3, quiet to active January 4, quiet to unsettled January 5, quiet on January 6, mostly quiet January 7, quiet to active January 8, quiet to unsettled January 9-10, quiet on January 11-17, quiet to active January 18, mostly quiet January 19, active to disturbed January 20, quiet to active January 21, quiet to unsettled January 22, quiet January 23, quiet to active January 24, active to disturbed January 25, quiet to active January 26, quiet to unsettled January 27 and mostly quiet January 28.

On average, 2014 had the highest daily sunspot numbers of any year since 2002. In 2002, the average daily sunspot number for the whole year was 176.7; in 2014 it was 121.2. But for all the years in between, the averages were quite a bit lower. The yearly average of daily sunspot numbers from 2003-2013 was 109.2, 68.6, 48.9, 26.1, 12.8, 4.7, 5.1, 25.5, 80.1, 82.3, and 97.1.

The monthly average sunspot numbers for September through December 2014 were 127.4, 92.1, 101.9, and 120, respectively.

Our 3-month moving average of sunspot numbers for the months ending in March through December 2014, were 146.4, 148.2, 129.6, 118.4, 112.8, 109.2, 115.6, 108.4, 107 and 104.7.

The highest average daily sunspot numbers in the current cycle were 146.4 and 148.2 for the 3-month periods ending in March and April 2014. At the bottom of the cycle in 2008 the 3-month average daily sunspot numbers ending in August through October were 2, 1.1 and 2.5. There seemed to be another minimum in 2009 in the 3-month periods ending in February through May, which had average daily sunspot numbers of 2.2, 2, 1.5, and 2. Between those dates the 3-month average rose to 4.5 in the 3-month period ending in November 2008.

Courtesy of the ARRL Newsletter

CLASSES STARTING IN MARCH

We will have Tech classes in March. Starting date will be March 9th (a Monday) at 7:00pm till 9. Classes will run for 8 Mondays.

Contact George KA3WXV for more information.

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

January - Emergency Preparedness , Vinny K3VJP

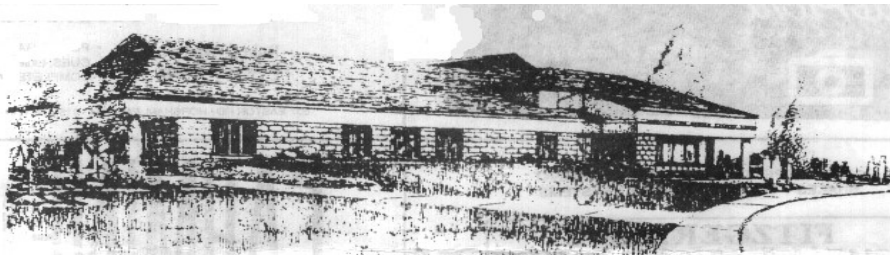
February - Annual Club Auction

March - Antenna's and Antenna Analyzers - Joe AA3JH and Andy, KD3RF

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

JANUARY

24-26 VHF Contest

1900 UTC 1/24, 0359 UTC 1/26

FEBRUARY

9-13 School Club Roundup

1300 UTC 2/9 to 2359 UTC 2/13

21-22 International DX - CW

0000 UTC Saturday through 2359 UTC Sunday

MARCH

7-8 International DX - PHONE

0000 UTC Saturday through 2359 UTC Sunday

APRIL

19 Rookie Roundup - Phone

1800 UTC through 2359 UTC

➤ ATLANTIC DIV. HAMFESTS - 2015

January 24 - Harrisburg Radio Amateurs' Club Winterfest

Cooper Student Union

1 HACC Drive

Harrisburg, PA 17101

<http://www.w3uu.org>

January 25 - Post Holiday Hamfest

Odenton Volunteer Fire Department

1425 Annapolis Road

Odenton, MD 21113

<https://sites.google.com/site/marylandmobileers/hamfests-1/hamfest-2>

February 21 - Gloucester City ARC Hamfest

Pine Grove Fire Association Fire Hall

827-829 Jersey Avenue

Gloucester City, NJ 08030

<http://nj2gc.org>

V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must bring two forms of positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC'S 2015 test fee is **\$15.00**.

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

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

Mark (K2AX) jtra@comcast.net

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

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

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

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

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

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.

We will have Tech classes in March. Starting date will be March 9th (a Monday) at 7:00pm till 9. Classes will run for 8 Mondays.



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.

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)	George Brechmann	N3HBT	215-443-5656
Director (E)	Joe Horanzy	AA3JH	215 962-9592
Director (A)	Al Konschak	WI3Z	215-491-9941
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	
Hamwear	Herb Hickmott	KB3VMN	267-718-3601
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
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