



FEEDBACK



Warminster
Amateur Radio Club

Web Site k3dn.org

Warminster Amateur Radio Club

September 2013

Next Meeting September 5th, 2013 – Home Brew, etc.

President's Message

I can't believe that summer is coming to an end. August weather has brought a hint of fall in the air with warm days, cool nights and of course, more rain. September means that the Contest season is approaching and it's time to finally get some outside antenna work done.

Here are a few of the contests that are fun to work in September.

- Worked all Europe DX Contest, SSB - September 14th to September 15th
- North American Sprint - CW on September 8th and SSB on September 15th
- ARRL September VHF Contest on September 14th to September 16th
- CQ Worldwide DX Contest - RTTY on September 28th to September 29th

The Worked all Europe SSB and CQWW RTTY contests is a great way to earn your ARRL DXCC award. You do not have to be a "Big Gun" or have a huge antenna farm to participate. Get on the air, work some stations and most important, have some fun.

With the help of Andy, KD3RF and Bill, K3FMQ, we took advantage of one of those days earlier cooler days this month and did some outside antenna work. We re-wired my vertical antenna with new coax that I picked up from HRO. The old coax had been in the ground for over 10 years and was time to replace. This time I buried two coax wires which will allow me to build an 80 meter inverted-L antenna in the future. What else, it was a rainy day as usual that we did this project. Someone once told me that the more inclement the weather when doing outside antenna work, the better the antenna will perform. Let's hope that's true.

Having spend another rainy day working Dx and catching up on household chores, I decided to take a look at my log. Using my log in LOTW, so far, since really starting my Dx'ing and upgrading my license in 1989, I have logged 30,099 contacts; 26,484 as KD3TB, 3,001 as 9M6TBT (West Malaysia) and 614 as 9V1AP (Singapore). My first Dx contact was on March 3rd, 1989 with an Italian Station. Wow, that's a lot of contacts, but I have to admit, many are during contests. I am sure many of you, who have been chasing Dx long me before me, have a much higher number of contacts.

Our September meeting will feature "Homebrew Night". This year we plan on using a "High School Science Fair" format to allow everyone the opportunity to spend time with each of the presenters. It's a great night to showcase your projects.

See you at the September meeting.

Irwin KD3TB

Calling all Homebrewer's

Our September meeting features a chance to show case your Ham Radio related projects. To be successful meeting, we need your participation. Please contact Andy, KD3RF at KD3RF@ARRL.org if you have a project you would like to showcase, and bring to our September meeting.



(Continued on page 2)

MINUTES FROM WARC MEETING -- AUG. 1

- Meeting called to order -7:35
 - Irwin KD3TB noted – The budget is posted on the wall (to be approved by the membership).
 - Introductions
 - Treasurers report – as given
 - Membership –K3ZMA – 118 full members, 22 alumni
 - Public Service – N3HBT expressed thanks to all who participated in the Moonlight Memories Car Show.
 - September 7 Warminster Day –(event has since been cancelled)
 - October 14 Columbus Day – Hole in One golf outing at Five Ponds
 - November 28 Thanksgiving Day – 5 k run in Newtown – W3GAD
 - September 29-30 – MS 150 Michelle KB3MTW 25 operators needed
 - Bike ride from Cherry Hill train station >> Ocean City, NJ and back.
 - WA4YWM notes that this is a very interesting , fulfilling event.
 - August 18 – Karl, K3KH and Rocky, N3 FKR handling the Livestrong challenge.
 - October 12/Saturday –Simulated emergency test event for Bucks County.
 - See August Feedback for details.
 - Classes KA3WXV --George--Beginning Mon. Sept. 9 -7PM Tech/General
 - VE Test Session Last Monday in September, there were 3 subjects, and 3 new technicians. No VE test in August.
 - Repeater – N3 EXA- The 2 meter repeater is linked to 6 meter repeater occasionally.
 - Good and Welfare –xyl of WA3ELQ in Abington Hospital
- New Business
- K3ZMA Bill is handling changes to the Club constitution.
 - Thanks expressed to Vinny K3VJP Club Safety Officer
 - National ARRL convention/100th anniv. July 17-20, 2014 Hartford, CT
 - Interest was expressed by club members for a bus trip.
- Motion to Adjourn –8:10 – approved
 - Program by AC2CL Al and AA3JH Joe – Antennas for limited Spaces.

Ham radio classes in September

Looking to get your Ham Radio license? Morse code is no longer a requirement! Entry level License classes are starting soon.

Or do you have a entry level license and are you looking to meet with other hams and expand your knowledge about Ham radio?

The free Ham radio classes given by the Warminster Amateur Radio Club are the place for you!

Classes will be offered starting on Monday, September 9th, 2013 at the Benjamin Wilson Community Center. The classes will start at 7:00 pm and last until 9:00 pm and run for 8 Mondays. The Classes are free, but the students will be responsible for any study guides.

All classes are at the Benjamin Wilson Senior Center
580 Delmont Ave.
Warminster, PA

For further information Contact:
George Brechmann, N3HBT at 215-443-5656

FOR SALE

From a SK WARC member estate sale Astron RS-35M (with volt and amp meters) 35 amp P/S in relatively good condition (few scratches on cabinet).

As far as I know, it works well (put a voltmeter on +/- terminals and it reads a steady 13.8 VDC. I did not test it under a load.

ASKING: \$75 (new ones sell for \$180 and up)

73

Bob Wilderman, K3SRO

dlrwild1@verizon.net

(215) 872-2511 cell

(215) 997-6551 home

Lake Nockamixon Century

The Lake Nockamixon Century was a bike rider's event with approximately 700+ riders held on Saturday, August 24, 2013. This event was organized by the Suburban Cyclists Unlimited (SCU) bike club (www.suburbancyclists.org). All riders started from the historic Moravian Tile Works in Doylestown, PA. and rode on marked 25, 50, 63, 75, 100 or 107 mile loops. Radio amateurs from the Warminster ARC, RF Hill ARC, Packrats and BCARES rose to the challenge and formed the team to make communications possible where cell phone service did not exist.

The SCU was referred to us by the Central Bucks Bike Club which we support during the Covered Bridge Ride each October. Initially Bob, NX3S, was organizing the Amateur Radio effort, but relinquished the job to Drex W3ICC when a schedule conflict arose for him. The start and finish, SAG (support and gear) truck, EMT, and four rest stops were well covered by the team: Drex W3ICC, Bill K3ZMA, David N3IJQ, Charles KS3Z, Ross KB3HRP, Joe AA3GN (also a SAG driver) and John WA3FRQ (also an EMT). Communications was supported by Bill, W3HJ, who provided the 145.33 Hilltown repeater which gives outstanding coverage of Central and Upper Bucks County, including the difficult area in Ralph Stover State Park. The radio operators located at Moravian Tile Works interfaced with a the SCU's SAG hotline (cell phone) crew led by Kurt Gale and supported by Cliff Schwinger who used twin cell phones and laptop computers with detailed maps of all the bike routes. While there were a few minor injuries and many bike break-downs, the event went quite smoothly overall with effective radio coverage augmenting spotty cell phone coverage.

Hams justify their continued control of valuable frequency spectrum with the use of their licenses serving the community in events such as these. That is a more visible service to the general public than disaster communications, which, thankfully, is needed much less frequently.

Mark your calendars for the Covered Bridge Ride on Sunday, October 20. We will need many operators since there are about 2000 riders in that event. Details to follow. 73 Bill, K3ZMA & Drex, W3ICC

Antenna program**FUNDAMENTALS OF ANTENNA MEASUREMENTS IN AN ANECHOIC CHAMBER-NEW!**

Date: Friday, Nov. 8

Time: 10 AM (must pre-register)

Fees: FREE!

Location: Anechoic Chamber 300 E. Bristol Road, Warminster. Entrance will be from the Penn State gate on Bristol Road.

The most common use for an anechoic chamber is the frequency measurement of antenna performance. The staff of the Penn State Anechoic Chamber will present an informative talk on the fundamentals of antenna measurements and will show some basic antennas and how they work, as well as provide a demonstration of an actual antenna measurement.

Space restrictions limit group to 20 people. Call the Warminster Parks and Recreation office at 215-443-5428 to register.

George N3HBT

SOLAR UPDATE

Intrepid Sun Watcher Tad Cook, Seattle, Washington, reports: Solar activity slipped back again this week, with the average daily sunspot number declining nearly 50 points to 77 and average daily solar flux by nearly 10 points to 116.4.

The latest prediction from NOAA/USAF has solar flux at 108 on August 29, 105, 100 and 105 on August 30 through September 1; 110 on September 2-3; 112, 110, 115 and 120 on September 4-7; 125 on September 8-14; 120 on September 15; 115 on September 16-17; 110 on September 18, and 105 on September 19-21.

Until August 27-28, the forecast had solar flux dropping below 100 on August 30 through September 2, but the forecast has been upgraded for that period. But flux values are predicted to drop below 100 on September 26-28.

Predicted planetary A index is 8 on August 29; 20 on August 30-31; 10 and 8 on September 1-2; 5 on September 3-4; 8 on September 5; 5 on September 6-9; 10, 15 and 18 on September 10-12; 8 on September 13-14; 5 on September 15-16; 12, 18 and 15 on September 17-19, and 5 on September 20-21.

In the August 30 bulletin watch for updated short-term forecasts and reader reports.

Courtesy of the ARRL Newsletter

The Sun is About to Flip

Scientists predict that the sun's magnetic field is about to flip, according to a NASA Science [article](#). The celestial event may mark the midpoint of the current solar cycle 24.

"It looks like we're no more than 3 to 4 months away from a complete field reversal," the article quotes solar physicist Todd Hoeksema, the director of Stanford University's Wilcox Solar Observatory. "This change will have ripple effects throughout the solar system." As the article explains, the sun's magnetic field switches polarity approximately every 11 years at the peak of each solar cycle. The pending reversal means we're halfway through the current cycle.

Wilcox is one of the world's only observatories that monitor the sun's polar magnetic fields. NASA says that since 1976 magnetograms at Wilcox have recorded three "grand reversals" — with a fourth in the offing.

Solar physicist Phil Scherrer, also of Stanford, explains it this way: The sun's polar magnetic fields "weaken, go to zero, and then emerge again with the opposite polarity. This is a regular part of the solar cycle." The effect of the change in the heliosphere are felt all the way out to the edges of interstellar space. The flip also affects cosmic rays, which pose a danger to astronauts and space probes, and, according to some researchers, may affect Earth's cloud cover and climate.

"The sun's north pole has already changed sign, while the south pole is racing to catch up," says Scherrer. "Soon, however, both poles will be reversed, and the second half of solar max will be underway."

Twin Peaks

A ScienceCasts video, "Solar Max Double Peaked," linked from the article, quotes Dean Pesnell of the Goddard Space Flight Center as predicting a double peak to cycle 24. Pesnell was a member of NASA's Solar Cycle Prediction Panel, that gathered in 2006 and 2008, when solar activity was at a minimum.

Pesnell believes that cycle 24, which saw peak sunspot numbers in 2011 followed by a dip in 2012, could rebound later this year and into 2014 — possibly 2015. As the video points out, solar cycles are not as regular as we may have been led to believe, with lengths varying from 10 to 13 years, and solar maxima are not regular either. The Solar Cycle Prediction Panel had predicted cycle 24 to be a below average cycle, with a sunspot maximum of 90.

The last two solar cycles, with peaks around 1989 and 2001, respectively, each had two peaks, with the second "mini-cycle" lasting about 2 years each time. Pesnell believes history could be repeating itself.

Courtesy of the ARRL Newsletter

PUBLIC SERVICE: HAMS CONTINUE TO SUPPORT RIM FIRE RESPONSE

With California's gigantic Rim Fire still raging, Amateur Radio Emergency Service (ARES <<http://www.arrl.org/ares>>) and Radio Amateur Civil Emergency Service (RACES <<http://www.qsl.net/races/what.html>>) volunteers continued to assist local emergency managers and responding agencies in filling communication gaps. Tuolumne County RACES <<http://lodelink.com/tcares/RACES.HTM>> Radio Officer Phil Fish, WB6GGY, told ARRL that with telephone circuits overloaded and cell service spotty, ham radio is keeping the lines of communication open. ARES-RACES members are helping to support communication between local government and the American Red Cross shelter.

"They were just hungry for hams," Fish said of local emergency management officials. "We've had a great response from the local ham community." Volunteers, he said, have been putting in "some long days."

Tuolumne County ARES EC Carl Croci, NI6Z, said volunteers from Calaveras County ARES also have been pitching in. "We are still staffing the Red Cross Shelter and the community information phone lines with four ARES/RACES operators on the phones and two in the shelters," Croci said August 28. "There are now three shelters open at the Tuolumne County Fairgrounds, and the Red Cross is using FRS radios between the shelters, so the shelter ops are also monitoring those radios as well. The EchoLink <<http://www.echolink.org/>> system has seen a decrease in traffic asking about friends and relatives." The Red Cross is sheltering approximately 100 evacuees. Other ARES-RACES volunteers have been helping to handle telephone traffic in the county emergency operations center.

Fish has described the terrain in Tuolumne and Mariposa counties as "very, very, very rugged."

According to the National Interagency Fire Center (NIFC <<http://www.nifc.gov/>>), the Rim Fire as of August 29 covers nearly 192,500 acres, with nearly 8000 acres burned over in the past 24 hours. The Rim Fire, 30 percent contained, has now claimed more than 110 structures, and fighting it has cost more than \$39 million. The NIFC says the fire has been crowning. The communities of Tuolumne City, Twain Harte, Long Barn, Pinecrest and the Hetch-Hetchy watershed are threatened, as are power lines in the region. Evacuations and road and area closures are in effect. The Rim Fire is not expected to be fully contained for another 10 days or so.

A series of time-lapse images <<https://vimeo.com/73310936>> has been posted that offer a perspective of the Rim Fire's rapid growth.

Courtesy of the ARRL Newsletter

SAFETY FIRST! HARNESS SAVES CANADIAN HAM AFTER FALL FROM TOWER

An unidentified ham in Edmonton, Alberta, Canada, avoided serious injury or worse after falling July 16 from a ham radio tower he was disassembling. The man, whom media reports called "a certified tower expert" fell backward from the tower and became trapped about 35 feet in the air. The Edmonton Journal quoted District Fire Chief Lorne Corbett.

"He had on the proper harness, that's what saved him," Corbett said.
"He also had his legs entangled in the tower itself."

When the rescue team showed up, the man was upside down, and firefighters went up the tower to stabilize him and orient him upright. Firefighters got the man down using a bucket on a fire ladder. Although bruised, he was able to walk to the ambulance.

The ARRL offers antenna and tower safety tips <<http://www.arrl.org/files/file/Technology/tis/info/pdf/0106091rev1AntennaandTowerSafety.pdf>> on its website. Universal Radio also has posted a list of general recommendations <<http://www.universal-radio.com/CATALOG/tower/safetow.html>> for installing outdoor antennas. -- The Edmonton Journal; The Edmonton Sun

CLUB INFO

PUBLIC SERVICE

September 8th - Warminster Days
 September 28 - 29 – MS 150
 Columbus Day - Warminster Golf outing at 5 Ponds golf course
 November 17 - Bucks County marathon.
 November 28 Thanksgiving Day – 5 k run in Newtown – W3GAD

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.

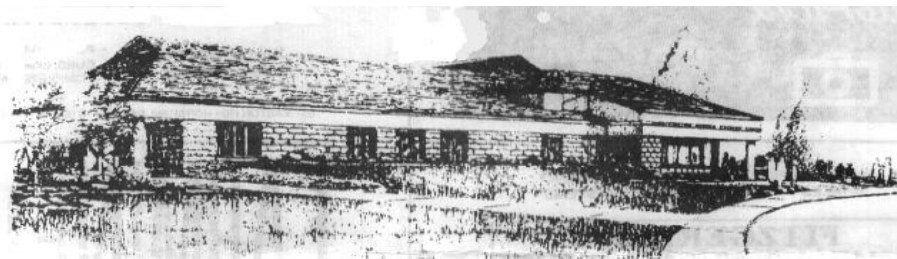
PROGRAMS 2013

September – Homebrew Night
 October – Air America
 November -
 December - Holiday Dinner

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.**



2013 Contest Calendar

September

14-16 September VHF Contest
 21-22 10 GHz & Up Contest – [Round 2](#)
 28-29 EME Contest – [2.3 GHz & Up](#)

October

21-25 School Club Roundup
 26-27 EME 50-1296 MHz-Round 1

November

2-4 Nov. Sweepstakes – [CW](#)
 16-17 EME 50-1296 MHz-Round 2
 16-18 Nov. Sweepstakes – [Phone](#)

December

6-8 60 Meter
 14-15 10 Meter
 22 Rookie Roundup – [CW](#)

QSO Parties

Tennessee 1800Z, Sep 1 to 0300Z, Sep 2
Arkansas 1400Z, Sep 14 to 0200Z, Sep 15
South Carolina 1400Z, Sep 21 to 0300Z, Sep 22
Texas 1400Z, Sep 28 to 0200Z, Sep 29 and 1400Z-2000Z, Sep 29

➤ ATLANTIC DIV. HAMFESTS - 2013

September 15 - GCARC Hamfest 2013

Gloucester County 4-H Fairgrounds
 240 Bridgeton Pike (Route 77)
 Mullica Hill, NJ 08062
<http://w2mmd.org>

September 27 - Mt. Airy VHF Radio Club (Pack Rats)

InnPlace Hotel Bensalem
 3327 Street Road
 Bensalem, PA 19020
<http://www.packratvhf.com>

October 6 - Maryland State Convention (CARAFest)

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

October 20 - RF Hill ARC Hamfest

Sellersville Fire House
 50 North Main Street
 Sellersville, PA 18960
<http://www.rfhill.ampr.org>

October 27 - Mason-Dixon Hamfest

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

V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must bring two forms of positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC'S 2013 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@arri.net

SKYWARN INFORMATION

MOUNT HOLLY NWSFO SKYWARN Weekly Information Net: EVERY THURSDAY AT 21:00 HOURS
SKYWARN Net Repeater Listing/ Streaming Audio of scheduled SKYWARN Net: <http://www.skywarnnet.net>
You do NOT have to be a certified SKYWARN Weather Spotter to check into the Net

Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)
 Fairless Hills, PA (many remote access locations throughout Bucks County)

Mount Holly NWSFO SKYWARN Homepage:
<http://www.erh.noaa.gov/phi/skywarn/index.html>

SKYWARN Basic Weather Spotter Educational Programs URL:
<http://www.erh.noaa.gov/phi/skywarn/training.html#sched>

➤ **CLUB EQUIPMENT**

WARC has purchased four Vertex Standard 2-meter HT's that are available for use by members of the club. The HT's are available on a month-by-month basis and have been purchased primarily to help new hams get on the air. However, they may also be used by any club member who is in need of a temporary 2-meter radio. They are also available for use by participants in WARC's public service activities.
 DE, Irwin Darack KD3TB 215
 -343-8170

Area Repeaters

VHF

- 145.310 R.F. Hill
- 145.350 Doylestown R.C.
- 146.790 Penn Wireless
- 145.330 Hilltown
- 146.670 DVRA
- 146.685 Holmesburg
- 146.925 Willingboro
- 147.000 Ham Buegers
- 147.030 Phil-Mont
- 147.090 Warminster
- 147.270 Frankford
- 147.300 BEARS
- 147.390 CBRA

220

- 224.580 PackRats
- 223.76 K3NAL

UHF

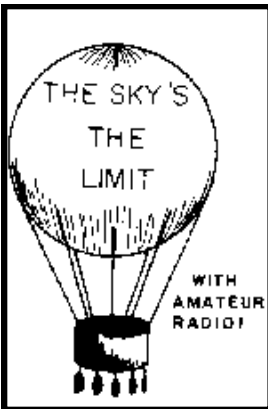
- 442.650 DVRA
- 443.250 TAG
- 443.050 Metro-Comm
- 443.950 Warminster
- 444.200 BEARS
- 447.475 WR3B
- 448.225 Penn Wireless

D-STAR

- 146.61000 K3PDR DV
- 445.18125 K3PDR DV
- 445.01875 AA3E Montco RACES

6 Mtr

- 53.030 WA3BXW
- 53.230 N3DQZ
- 53.320 K3MFI



*The Warminster Amateur Radio Club
 Announces Free Ham Radio Instructional Classes*

If you're interested in Ham Radio, or think you might be, this is your opportunity. Perhaps you'd like to learn about digital communications, Morse code, VHF, UHF, satellite, or perhaps you'd rather sit down and chat with someone in South Africa, Russia, Great Britain or in the space station.

Classes will be offered starting on Monday, September 9th, 2013. The classes will start at 7:00 pm and last until 9:00 pm and run for 8 Mondays. The Classes are free, but the students will be responsible for any study guides.

For further information contact George Brechmann, N3HBT at 215 -443-5656.

Bucks County Amateur Radio Emergency Service (BCARES)

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

Winlink Gateway Stations:

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

Net Schedules

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

Are you submitting an article for the Feedback ?

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

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

For general club correspondence:

k3dn@k3dn.org

Visit our Home Page at:

<http://www.k3dn.org>

The annual dues rate structure is as follows:

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

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

2013 Officers

Executive Officers

President	Irwin Darack	KD3TB	215-343-8170
Vice-President	Richard Luce	AG3L	215-441-8264
Secretary	Alan Ash	KA3YCG	215-357-9286
Treasurer	Bill Ballantine	K3FMQ	215-766-0764
Director (A)	George Brechmann	N3HBT	215-443-5656
Director (E)	Mark Kempisty	AA3K	215-953-1493
Director (A)	Al Kenschak	WI3Z	215-491-9941
Director (A)	Brian Taylor	N3EXA	215-257-6303
Past President	Larry Abbott	WA3ELQ	215-704-3282

Committee Chairpersons

Archives			
ARES/RACES Liason	Karl Harris	K3KH	215-264-1855
Arri Liason	Richard Luce	AG3L	215-441-8264
Awards Manager	Vince Pironti	KD3TC	215-674-0446
Classes	George Altemus	KA3WXV	215-855-3856
Digital and APRS	Ron Wenig	NY3J	215-638-9257
DXpedition	Doc Whitticar	W3GAD	215-968-6397
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 13	Mark Kempisty	AA3K	215-953-1493
Fundraising	Adam Huffnagle	KB3JCP	215-442-9526
Hamfest 13	Richard Luce	AG3L	215-441-8264
Hamwear	Alan Berkheiser	KB3VYX	
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Michelle London	KB3MTW	215-672-7578
Membership	Bill Strunk	K3ZMA	215-822-0749
Net Manager	George Brechmann	N3HBT	215-443-5656
PA QSO Party	Mark Kempisty	AA3K	215-953-1493
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 Kenschak	WI3Z	215-491-9941
Youth Programs	Steve Larson	WW3Y	215-822-1511