



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

February 2014

Next Meeting February 6th , 2014 – Auction

President's Message

Weather... an international friend of mine who is now living in the US said to me that Americans love to talk about the weather. Not surprising. This has been one of those cold and snowy winters. I was lucky in that I missed the last major storm. I was in Guangzhou, China working with a Client. The average temperature was a balmy...65 degrees Fahrenheit every day.

I wish to thank everyone who participated in our January meeting. We had an excellent Brainstorming session with lots of wonderful ideas. This is shaping up to be an excellent year for us. We had a good turnout at the Club Station for the ARRL January UHF/VHF contest. March 1st to 2nd is the ARRL International Dx - SSB contest. There has been some discussion in opening the Club Station before the meetings. So, let us know ... if we have enough interest, hopefully the Club Station will be open again. We have been in contact with the Boy Scouts about highlighting Amateur Radio at their local Jamboree. Vinnie, K3VJP, will be looking for volunteers soon.

As I write this, Amsterdam Island FT5ZM, a very rare Dx'pedition is currently on the air. Last year I worked a Papua New Guinea station and this past week the QSL card arrived. For me, this was a rare contact.

In this issue of the Feedback you will see proposed updates to our Club Constitution. These are the same changes we presented at the January meeting. Once they have been published in the Feedback for one month, we can formally present them for discussion and a vote at a meeting. These changes will allow us to use electronic media, when appropriate, and bring some of our official activities in line with the current constitution.

Our February Meeting features the annual Club Auction. It's a great time to clean out your Ham Room and donate unwanted items to the Club.

WARC Club election of officers is fast approaching. Bill, K3FMQ and Vinnie, K3VJP are currently coordinating the search. If you are interested and have not already been contacted, please reach out to them at the club meeting.

Doc, KA3RAU, one of our refreshment chairpersons, was in the Hospital recently. Randy could use some help at this upcoming meeting. So, please volunteer to give Randy a hand in the set up and breakdown.

See you at the meeting in February.

Irwin, KD3TB

Proposed changes to CONSTITUTION - ARTICLE II - GOVERNMENT - SECTION 2

1. Our current Constitution states that: All ballots shall be **distributed** to the voting members **no less than seven (7) days** prior to that meeting.

Change to: All ballots shall be available to the voting members prior to that meeting.

This corrects incorrect timing (distribution at meetings before vote) and allows for possible electronic distribution to the membership by inclusion in Feedback (which is typically posted on the Web site 4 days before meetings). Currently the Feedback is published electronically. We no longer mail Feedback to members.

2. Our current Constitution states that: Nominations for Officers and elected Directors shall take place at two consecutive general meetings beginning in **April** of each year. Once nominations for a position have been closed by motion of the membership, no member may be placed on the ballot as a candidate.

Change to: Nominations for Officers and elected Directors shall take place at two consecutive general meetings beginning in March of each year. Once nominations for a position have been closed by motion of the membership, no member may be placed on the ballot as a candidate.

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This corrects an "original" error in the election calendar contained in the Constitution

3. The following paragraph to be added to the Constitution: Nothing in this document is meant to preclude the use of electronic means to conduct the business of the corporation when those means are devised and approved by the Executive Board meeting in regular Executive session and also approved by a simple majority vote of Regular members in good standing attending a subsequent general meeting.

This allows the WARC Board to explore and upon approval by the membership use electronic means to conduct business.

**Michael sent the following on WARCTalk on 1/28.
This is included here for those of you who might have missed it.**

Hello Friends,

Yesterday morning, my wife passed away suddenly and unexpectedly. Suffice it to say that it was culmination of multiple medical conditions with which she struggled for the last several years. I trust that she is now in a better place with relatives and pets that have preceded her to heaven.

The obituary can be found at the following link: <http://www.urbanfuneralhome.com/obituary/122187/Carol-Davis>

As indicated in the above link, the funeral will be this Thursday afternoon [12/30] at the Urban Funeral Home in Ambler. You may call on myself and our extended family starting at 3pm. A service will take place at 4pm. There will be another service for Carol in North Haven, Connecticut on Saturday.

May peace be with Carol and all of us.

73,

Michael KB1JEY

Terms & Conditions for Warminster Amateur Radio Club Auction (WARC; the club)

The WARC auction is an annual fund raising event conducted for the general benefit of the Warminster Amateur Radio Club. All net proceeds resulting from the auction are considered to be donations to the WARC general operating fund.

This document is as a summary of guidelines for the auction. It is not intended to be all-inclusive and is subject to change without notice as deemed necessary by the WARC Board of Directors.

Starting in 2013, the WARC auction has 3 categories, each of which will have different terms and conditions due to the nature of the items being offered:

- 1) Donated items
- 2) Donated time / services
- 3) Consigned items

DONATED ITEMS

Donated items may be contributed by members or non-members.

All donated items accepted by the club become the immediate property of the Warminster Amateur Radio Club, and may be auctioned, sold for fixed price, given away at no-charge, retained for club use, or otherwise disposed-of at the club's discretion.

The club reserves the right to refuse donations that may present a health or safety hazard, have inappropriate content or no intrinsic value, or would represent a liability to WARC or the purchaser. The club accepts no responsibility for personal data files left on electronic media (whether real or latent), and makes no warranties regarding the safety or operational condition of any item(s).

100% of the final bid price for donated items sold at auction is retained by the WARC. Unsold donated items will not be returned.

DONATED TIME / SERVICES

The option for members to offer donations of Ham-related personal services.

This is a member-to-member voluntary service, with 100% of the final bid price for time / services going to WARC.

Both the donor and the bidders in the time / services category must be WARC members in good standing to participate in a time / services auction.

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A precise description of the offer, terms & conditions, time-span for delivery, and the minimum reserve auction bid for the time / services being auctioned must be defined in writing by the donor prior to the beginning of the auction.

Starting value required for a time / services auction -- \$40 (no maximum)

The club reserves the right to refuse donations that may present a safety hazard to the buyer or the donor. The club or provider of the service is not responsible for any damage to property or equipment that occurs during while the donated service is provided.

Once the auction has started, neither the donor nor the bidder may withdraw or change the terms or conditions of the time / services being auctioned except by mutual consent. In the event of mutual consent to withdraw, the donor will be liable to the club for a \$10 completed auction fee.

Examples of the types of time / services permitted (but not limited to) in this section of the club auction include:

- Accompanying the winning bidder on a buying trip to HRO or a local hamfest to provide consultation
- Assistance with designing / building / setting up antennas*
- **(*non-climbing** – the club specifically discourages tower / roof climbing and accepts no responsibility for such activities)
- Instruction on DXing, contesting or digital mode operation
- Programming of HTs or mobile rigs
- Assistance with kit building
- Assistance with simple equipment repairs
- Assistance with shack “make-overs”
- Assistance with construction / routing of jumper cables
- Wiring of microphones or setting-up digital modes
- Setting-up of ham related software or configuring of computers,

Unsold offers become null and void at the conclusion of the auction.

CONSIGNED ITEMS

The option for members to offer consigned items of higher value.

Consigned item auctions may be contributed only by members in good standing and are conducted in a similar fashion to eBay with a “minimum bid” and a “reserve value” set by the consignor.

All items must be registered with the Club in advance of the Auction and the Seller Consignment form must be completed.

To participate in a consigned items auction the minimum item value must be in excess of \$50.

All consignment auction sales are final, and are considered private person-to-person transactions between seller and buyer. The club's sole responsibility is in providing a venue for the auction and is not responsible for mediating disputes or for collecting or transferring funds between buyer & seller.

Seller and buyer are responsible for working out collection & payment terms.

There is a \$10 non-refundable consignment fee due to the club when the item is put up for auction, plus an additional commission based on the item's final selling price.

A precise description of the item being offered, its operating condition, payment and delivery / pick-up terms, and any guarantees the consignor is willing to extend, must be defined in writing and signed by the consignor prior to the beginning of the auction. Copies will be provided to the buyer, the seller and the club.

The club reserves the right to refuse consignments that are inadequately described or that in the club's judgment may present a health or safety hazard to the buyer.

The club accepts no responsibility for personal data files left on electronic media (whether real or latent), and makes no warranties regarding the safety or operational condition of any item(s).

Sellers fees paid to the club are based on the final selling price of the item:

\$100 - 250 10% commission (compared to eBay's 11.25% + PayPal's 3.09%) \$251 - 400 8% commission (compared to eBay's 9.56% + PayPal's 3.96%) \$401 and up 7% commission (compared to eBay's 9.23% + PayPal's 2.93%)

Seller's final selling price fees are due from the seller to the club at the close of the auction.

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WARC Officers Succession Planning

The Board decided to get an early start on the 2014 mid-year elections.

Year 2013 was not unlike previous years in that the board had to simultaneously focus on two critical club functions: recruiting candidates for club officers (president, vice-president, secretary, and treasurer), and prepare for the May hamfest.

The board accepted my recommendation to begin an active recruiting campaign for officers beginning in January. In addition to asking for volunteers as we are doing now by means of this notice, a recruitment team will be calling club members who various sources believe to be good prospects.

Please be aware that if you don't receive a phone call, it does not mean you're not a good prospect for one of these positions. It simply means we don't know much about you. As a newly active club member, I don't know many members well, and have relied on other board members to give me suggestions as to whom to contact.

If you're interest in being a candidate for an officer position, please don't hesitate to contact me.

Bill Ballantine, WARC Treasurer
215-766-0764
k3fmq@verizon.net

D-Star for Analog Guy by KC Nicely KE3C

If you are a ham operator that enjoys talking on 2 meter and 70 cm repeaters, but just can't find any intelligent activity on them any longer, then listen up! D-Star is gaining in popularity and you are missing out on the fun. Read on to learn about the basics of D-Star and why there is lots of activity there. I won't tell you what radio to buy here, or how to use your new D-Star radio. There are lots of resources on the internet for that. What I am going to explain is how D-Star is different from analog and why you might be interested in it if your are an analog repeater operator. I think you will find that it is worth giving D-Star a try.

A D-Star repeater operates similar to a regular analog FM repeater. It listens for your signal on an input frequency and retransmits your signal on an output frequency on the same band. The signal being generated from the D-Star radio is not an analog signal, but a digital signal.

The D-Star radio includes a chip which converts your voice directly from your microphone to a digital signal and the radio then transmits that digital signal to the repeater where it is retransmitted on output frequency. Other hams pick your signal up with their D-Star radio. Their radios decode the digital signal and your voice comes out on their radio.

The quality is excellent because your voice is being converted to a digital stream of data right inside your radio and is being converted back to analog audio right inside your buddies radio. There is no picket fencing like there is in the analog FM modes, but there is R2D2. What is R2D2? Well, lets just say if you are a Star Wars fan you will recognize it when you hear it.

As an added bonus, I have found that my signal seems to go further with D-Star than on analog FM. I am not sure if this is really the case, but I can tell you that I have had conversations through a repeater with 100% dead full quieting audio using my 5 watt HT and a repeater located 12 miles from my home.

All this would be enough to convince most people that D-Star is superior to regular analog FM, but that is not where the fun stops. The most exciting aspects of D-Star is gateways and reflectors.

What is a gateway? A gate way is simply a entrance point, doorway, port,etc to the internet. All D-Star repeaters come with a gateway to connect the repeater to the internet. Why would you want to do that? To link to a reflector on the internet.

A reflector can be thought of as a repeater that is located somewhere on the internet that has unlimited inputs and outputs. Multiple repeaters can be connected to one reflector and every signal that is received on one repeater is transmitted on all repeaters linked to

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the reflector.

Let's look at one scenario as an example.

Lets say Ken, KE3C (that's me) is transmitting on the input frequency of the K3PDR 2 meter repeater. My buddy Andy, KD3RF is located in Munich, Germany and he is listening on the DB0TVM repeater. Both repeaters are linked to reflector REF020A (20 alpha). When I key up and give my call, my call is heard by all stations monitoring the reflector 20A. That includes the K3PDR repeater, the DB0TVM in Germany repeater and any other repeater connected to 20 alpha. Andy hears my call because the repeater he is monitoring is linked to 20 alpha and he comes back to me and we have a conversation. Pretty cool! At least I think so.

Any repeater linked to the reflector 20A through its gateway can hear any other repeater or station connected to the reflector. Not only that, but on most repeaters, operators can send a command to the repeater to link the repeater to any number of gateways.

If that were not enough, it gets even more interesting. These days there is a device called a Digital Voice Access Point or DVAP for short that any operator can connect directly to their home personal computer to access a reflector directly. A DVAP is just a small, low power 2 meter or 70 centimeter transceiver that connects to the USB port of your personal computer and acts as kind of a personal simplex repeater with built in gateway.

The way it works is very similar to a repeater, except it does not repeat. It receives the signal from your D-Star radio as a digital stream much like a repeater would and it transmits that stream through the gateway to the reflector. The reflector then reflects the signal out to the other repeaters or DVAPs connected to it and your voice comes out on all repeaters and DVAPs that are connected to the reflector. The nice thing about the DVAP is that the DVAP is a personal D-Star hotspot. That allows you, the operator, to have excellent coverage to whatever D-Star repeater or reflector you like. You send commands to the DVAP to link and unlink from whatever reflectors or repeaters you want to talk through and they hear you instantly.

Many hams are using the DVAP and hooking the DVAP up to a raspberry pi computer. The raspberry pi is a credit card sized computer that runs the Linux operating system and cost about \$55.00 for the computer and a case. The DVAP is hooked up to the raspberry pi via the USB cable. Open source software written by G4KLX is run on the raspberry pi which communicates with the DVAP and controls the reflector and repeater linking and forwards your signal to the reflector or repeater you choose. With this setup the operator has an instant D-Star portable hotspot that can be linked to any reflector or repeater.

I have personally even used this setup in my car. I connect my raspberry pi to my cell phone via the wifi hotspot feature on my phone and I have a 100% portable mobile hotspot. I know....I know...it is not real radio if I am using the cell phone network.....but it is fun.

There are many popular D-Star reflectors on the internet. My favorite is REF001C. You can link to it by sending REF001CL to any repeater or DVAP using your D-Star radio. Reflector 1 Charlie is the international super reflector. It is always active with hams from all parts of the world. It is not uncommon to hear hams from as far away as Japan, Australia and New Zealand on this reflector.

In the North Eastern US many repeaters are linked on a schedule or permanently to reflector 20A. In the Philadelphia region, many repeaters are linked to reflector 20A 24 hours a day 7 days a week. Other repeaters do not link to reflectors on any schedule and are available for any ham operator to link to other reflectors or repeaters as they would like. The K3PDR repeater on 2 meters (K3PDR B) is usually linked to reflector 20A and the 70 cm repeater (K3PDR C) is usually open for linking as needed by all hams.

My hope is that this little description of the D-Star radio network will pique your interest in D-Star and someday I will hear you giving me a call on the air. I lurk around on reflector 20A. I look forward to hearing your melodious tones calling my call someday.

ARRL CENTENNIAL QSO PARTY

Are you participating?

So far 10 states have had WIAW operations from them. They are operating from 2 states per week. North Carolina, West Virginia, Utah, South Carolina, Nebraska, Delaware, New York, Oklahoma, Minnesota and Texas were on in January. Georgia and Hawaii are starting on Feb. 5th. I have worked North Carolina, Utah, Nebraska, Oklahoma, Minnesota and Texas.

The pileups are like rare DX. Another way to have fun with Amateur Radio.

73, Jim WA4YWM

PROPAGATION: SOLAR FLUX RECORD HIGH COULD HERALD BETTER CONDITIONS

The 10.7 centimeter solar flux index (SFI) jumped to a Cycle 24 record of 262 on January 4, suggesting that Cycle 24 has not yet begun drawing to a close and may be approaching or at a "second peak." The previous peak for the current cycle was 190 on September 24, 2011. As NASA's Marshall Space Flight Center (MSFC <http://solarscience.msfc.nasa.gov/>) explains <http://solarscience.msfc.nasa.gov/predict.shtml>, the flux of the sun's radio emissions at 10.7 centimeter (2.8 GHz) is another indicator of solar activity levels, since it tends to follow changes in the solar ultraviolet that influence Earth's upper atmosphere and ionosphere.

"Many models of the upper atmosphere use the 10.7 centimeter flux (F10.7) as input to determine atmospheric densities and satellite drag," NASA/MSFC noted, adding that SFI "has been shown to follow the sunspot number quite closely." The January 6 sunspot count was 225. The Cycle 24 sunspot count peaked at 282 on November 17, 2013, according to WM7D.net <http://www.wm7d.net/hamradio/solar/>.

Canada's Dominion Radio Astrophysical Observatory (DRAO <http://www.nrc-cnrc.gc.ca/eng/solutions/facilities/drao.html>)

Indicated ftp://ftp.geolab.nrcan.gc.ca/data/solar_flux/daily_flux_values/fluxtable.txt an "official" flux of 262 at 2000 UTC on Saturday, January 3. The official figure for Sunday, January 5, was 217.5. ARRL solar observer Tad Cook, K7RA, who reports 10.7 centimeter flux numbers in his weekly "Solar Update" bulletins, suggests that they are not as valuable as sunspot numbers in predicting radio propagation. The solar flux was over the January 4-5 weekend was far higher what was anticipated, judging by predictions Cook reported in his January 3 <http://www.arrl.org/news/the-k7ra-solar-update-303> "Solar Update" for this past weekend and the week ahead. NASA/MSFC indicates a 95 percent predicted flux for the month of January at 146.5, continuing at about the same level through the first half of the year.

The Daily DX <http://www.dailydx.com> said the SFI was expected to remain above 200 for this week. As Ian Poole, G3YWX, explained solar flux in his article, "Understanding Solar Indices <http://www.arrl.org/files/file/Technology/tis/info/pdf/0209038.pdf>" in the September 2002 edition of QST, "[H]igh values generally indicate there is sufficient ionization to support long-distance communication at higher-than-normal frequencies." He pointed out, though, that it can take a few days of high values for conditions to show improvement. "Typically values in excess of 200 will be measured during the peak of a sunspot cycle, with high values of up to 300 being experienced for shorter periods," Poole wrote. Read more <http://www.arrl.org/news/solar-flux-record-high-could-herald-better-conditions>.

Courtesy the ARRL Newsletter

THE K7RA SOLAR UPDATE

Tad Cook, K7RA, Seattle, Washington, reports: Another week of solar ambiguity, with sunspot numbers down, but solar flux up. Average daily sunspot number declined from 113.3 to 101.4, but average daily solar flux moved from 133.4 to 142.9.

The latest prediction has solar flux at 155 on January 30-31, 150 on February 1-2, 155 on February 3-5, 160 on February 6, 200 on February 7-8, then 180, 170 and 150 on February 9-11, 130 on February 12-13, 125 on February 14-15, 130 on February 16-17, and 135 on February 18-22.

Predicted planetary A index is 8, 12 and 8 on January 30 through February 1, 5 on February 2-6, 8 on February 7-8, 5 on February 9-16, 8 on February 17-18, and 5 on February 19-22.

The Friday bulletin will feature a review of solar activity averages, even though the bulletin is issued just prior to the end of the month. We'll also have reports from readers. Readers may send k7ra@arrl.net reports and observations to K7RA via e-mail.

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

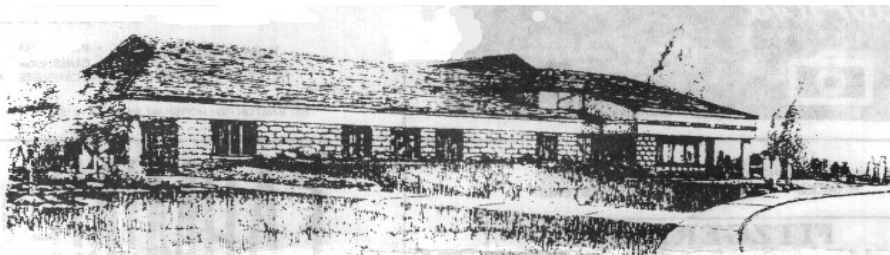
If you want to have your picture taken to be placed on the 'Members' Photos' section of the www.k3dn.org website, please contact Membership with your interest. When we get enough people who are interested we will post a notice in Feedback and have a camera ready at the following club meeting.

**PROGRAMS
2014****February 6 - Club Auction**

The Club Station - K3DN - is located at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. The station is open for club members and the interested general public on non-holiday Tuesday evenings from 7 to 9 pm . The station is fully operational on HF (80 meters through 10 meters) both phone and CW. There is an assortment of amateur radio shareware which may be copied under the shareware licensing agreement.

For additional information on the Club Station please call the Station Manager N3HBT - George at 215-443-5656.

- **WARC Meetings are held the first Thursday of each month at 7:30 pm at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. Talk in is available on the 147.09 & 443.950 repeaters.**



2014 Contest Calendar

FEBRUARY

10-14 **School Club Roundup** 1300 UTC Monday through 2359 UTC Friday
 15-16 **International DX – CW** 0000 UTC Saturday; ends 2359 UTC Sunday

MARCH

1-2 **International DX – Phone** 0000 UTC Saturday; ends 2359 UTC Sunday

APRIL

20 **Rookie Roundup – Phone** 1800 UTC through 2359 UTC

JUNE

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

QSO Parties

New Hampshire 1600Z, Feb 8 to 0400Z, Feb 9 and 1200Z-2200Z, Feb 9
 North Carolina 1500Z, Feb 23 to 0059Z, Feb 24

➤ ATLANTIC DIV. HAMFESTS - 2014

Feb. 15 - Gloucester City ARC Hamfest

Pine Grove Fire Association Fire Hall 827-829 Jersey Avenue
 Gloucester City, NJ 08030
<http://nj2gc.org>

April 5 - Greater Baltimore Hamboree host to The Regional Emergency Preparedness Expo

Maryland State Fairgrounds 2200 York Road Timonium, MD
<http://www.gbhc.org/>

April 12 - York Hamfest Porters Community Fire Company

1199 Porters Road Spring Grove, PA 17362
<http://www.yorkhamfest.org>

May 3 - Greater Hagerstown Area Hamfest Washington County Agricultural Center

7313 Sharpsburg Pike Boonesboro, MD
<http://w3cwc.org>

May 4 - Warminster ARC Hamfest Middletown Grange Fairgrounds

576 Penns Park Road Wrightstown, PA
<http://k3dn.org/hamfest.htm>

May 18 - JSARS "Hamfest by the Shore" Riverwood Park

Riverwood Drive Toms River, NJ 08753
Website: <http://jsars.org>

May 25 - Memorial Day Hamfest Howard County Fairgrounds

2210 Fairgrounds Road West Friendship, MD 21794
<http://www.marylandfm.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 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@arrl.net

SKYWARN INFORMATION

MOUNT HOLLY NWSFO SKYWARN Weekly Information Net: EVERY THURSDAY AT 21:00 HOURS

SKYWARN Net Repeater Listing/ Streaming Audio of scheduled SKYWARN Net: <http://www.skywarnnet.net>

You do NOT have to be a certified SKYWARN Weather Spotter to check into the Net

Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)

Fairless Hills, PA (many remote access locations throughout Bucks County)

Mount Holly NWSFO SKYWARN Homepage:

<http://www.erh.noaa.gov/phi/skywarn/index.html>

SKYWARN Basic Weather Spotter Educational Programs URL:

<http://www.erh.noaa.gov/phi/skywarn/training.html#sched>

➤ **CLUB EQUIPMENT**

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

Area Repeaters

VHF

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

220

- 224.580 PackRats
- 223.76 K3NAL

UHF

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

D-STAR

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

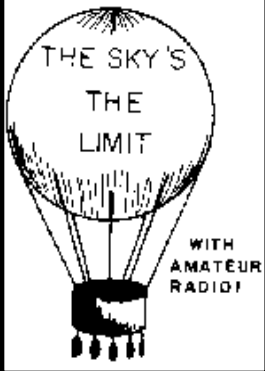
6 Mtr

- 53.030 WA3BXW
- 53.230 N3DQZ
- 53.320 K3MFI

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

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

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



Bucks County Amateur Radio Emergency Service (BCARES)

www.bucksares.org

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

Winlink Gateway Stations:

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

Net Schedules

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

Are you submitting an article for the Feedback ?

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

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

For general club correspondence:
k3dn@k3dn.org

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

The annual dues rate structure is as follows:

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

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

2013 Officers

Executive Officers

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

Committee Chairpersons

Archives			
ARES/RACES Liason	Karl Harris	K3KH	215-264-1855
Arri Liason	Richard Luce	AG3L	215-441-8264
Awards Manager	Vince Pironti	KD3TC	215-674-0446
Classes	George Altemus	KA3WXV	215-855-3856
Digital and APRS	Ron Wenig	NY3J	215-638-9257
DXpedition	Doc Whitticar	W3GAD	215-968-6397
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 14	Mark Kempisty	AA3K	215-953-1493
Fundraising	Adam Huffnagle	KB3JCP	215-442-9526
Hamfest 14	Richard Luce	AG3L	215-441-8264
Hamwear	Alan Berkheiser	KB3VYX	
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Michelle London	KB3MTW	215-672-7578
Membership	Bill Strunk	K3ZMA	215-822-0749
Net Manager	George Brechmann	N3HBT	215-443-5656
PA QSO Party	Mark Kempisty	AA3K	215-953-1493
Publicity	Bernice Kraut	KB3PCX	215-884-8195
Refreshments	Doc Morein	KA3RAU	215-542-0593
Refreshments	Randy Gehman	N3LJE	215-822-9473
RF Interference	Andy Vavra	KD3RF	610-287-3295
RF Interference	Bill Ballantine	K3FMQ	215-766-0764
Repeater Coordinator	Brian Taylor	N3EXA	215-257-6303
Safety Officer	Vinny Porcaro	K3VJP	215-493-0783
Skywarn Liason			
Station Trustee	George Brechmann	N3HBT	215-443-5656
Sunshine Club	Vince Pironti	KD3TC	215-674-0446
Township Liason	Richard Luce	AG3L	215-441-8264
VE License Testing	Larry Abbott	WA3ELQ	215-704-3282
VHF/UHF/MW	George Altemus	KA3WXV	215-855-3856
Website Coordinator	Al Konschak	WI3Z	215-491-9941
Youth Programs	Steve Larson	WW3Y	215-822-1511