



# FEEDBACK



Web Site [k3dn.org](http://k3dn.org)

Warminster Amateur Radio Club

December 2010

## Next Meeting December 2nd - Holiday Dinner

### President's Message

#### Happy Holidays Everyone

As I write this, tomorrow is Thanksgiving, and Eva is in the kitchen baking pumpkin pies for the family dinner tomorrow, and in about a week we will be having our club's annual dinner. In the context of the Warminster ARC, I just want to say thanks to the Board for its help and guidance in moving the radio club forward. Also, I want to thank so many of our members who have helped throughout the years with the Hamfest, Field Day, annual dinner, programs, and with all that the club does week in and week out. You all deserve our sincere thanks.

As I was pondering what to write about this month, I was listening in on one of our nets last week to one of our members who was searching around for some testing equipment. It dawned on me that with the new members in the club, they might not know what we have in the club's inventory, that is available to loan. So as part of this month's article, for the benefit of the new members, I wanted to list some of the assets and equipment we have available for your use.

These items are available to club members, and we routinely loan it out to members. Here are some of the items:

**K3DN CLUB STATION** – We have a Kenwood TS-570 HF station at the mezzanine level of the Ben Wilson Senior Center. The station is connected to a multi-band HF vertical antenna on the roof of the senior center. This equipment is used on field day, and other club events which require HF equipment.

Arrangements for the use of the station need to be made through our club's Trustee George / N3HBT. You can reach George on the repeater, or leave George a message on the club telephone: 267-702-4355.

**K3DN REFERENCE LIBRARY** – We have a nice library on the mezzanine, and you can always sign out a reference book or two. Speaking of books we have a supply of the latest QST's, and Technician Class ARRL training books which you can purchase at a discount over the cover price.

**VERTEX 150 HT RADIOS** – The club owns four (4) Vertex 150 HT's which can be loaned out to members on a month to month basis. These radios are also available for all club events. These radios are pre-programmed for the K3DN 2-meter repeater. The radios are ready to go with 4-AA alkaline batteries, instructions, and a 12v mobile power cord.

These are very similar to the popular Yaesu FT-60R radio – except the Vertex is 2-meter mode only. Both radios program in a similar manner. See Irwin / KD3TB to sign out one of these items – especially if you are a new member without VHF equipment, or your VHF equipment is down for repairs.



**MFJ ANTENNA ANALYZER** – The club owns a MFJ Antenna Analyzer specifically for use by our members. The equipment is available to any club member to set up their antennas. The equipment covers 1.8 to 170 MHz and 415 to 470 MHz. It has a large easy-to-read two line LCD display and side-by-side meters clearly display your information. Built-in Ni-Cad/Ni-MH charger circuit, battery saver, low battery warning, smooth reduction drive tuning. Use as signal source for testing/alignment. Built-in Coax Calculator which calculates coax line length in feet given coax length in electrical degrees and vice versa for any frequency and any velocity factor.

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Arrangements for the use of the equipment need to be made through our club's vice president Irwin / KD3TB. He handles the paperwork for loaning out the equipment. Irwin can be reached on the club voicemail telephone: 267-702-4355.

**ANDERSON POWER POLES AND CRIMPER** – We have our own Anderson Powerpole crimper. In addition we have a small supply of powerpoles, We ask that you replace any parts that you use, so that the next member to use the crimper has all of the parts.



The powerpole system is the standardized wiring connections for our 12v systems, it allows all member's equipment to be interchangeable with other equipment at field day, emergency communications events, and its just so convenient to use. Arrangements for the use of the equipment need to be made through our club's vice president Irwin / KD3TB. He handles the paperwork for loaning out the equipment. Irwin can be reached on the club voicemail telephone: 267-702-4355.

**DIPOLE ANTENNAS** - Our club has a few HF dipole antennas which were used on field days past. You are welcome to use them as needed. For instance if your antenna is down and you need a temporary antenna until you can get a permanent antenna up and working. Arrangements for the antenna should be made through our club's Vice President Irwin / KD3TB. You can reach him on the repeater, or leave Irwin a message on the club telephone: 267-702-4355.

**ELMERING AND COACHING** – We have over 120 amateur radio operators who can assist you with your problem. Some of our members are proficient in antennas, some are proficient with computers. That's part of the benefits of belonging to the Warminster ARC. Let us know what your issues are, and we can point you to the right person.

**VE TESTING SESSIONS** – Our club offers ARRL VEC testing sessions each month – except August. The sessions are held at the WREC in Warminster. In addition, we offer a session at the club's Hamfest each May. Arrangements for this should be made through our club's Trustee George / N3HBT. You can reach George on the repeater, or leave George a message on the club telephone: 267-702-4355.

**SPECIAL TIME OF THE YEAR** - This is the time of the year where we gather with friends and family to give thanks to our creator, to our family, and friends. This is also the season for helping others, and giving back. Please keep in your thoughts and prayers those who in our extended amateur radio family who may be in need of our help, and of course remember our service men and women around the globe and keep them in your thoughts and prayers also.

God bless you and your family, 73's,

Rich Luce / AG3L

President

Warminster ARC

Warminster, Bucks County, PA

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## 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

Attention all former WARC members. At the March 4, 1999 General Meeting, revisions to our club's constitution were approved that among other things, establishes a new Alumni membership category for former WARC members who are unable to attend meeting and Club activities on a regular basis due to health considerations or travel impediments. Dues for the Alumni membership were established at \$10.00 annually to cover the costs of printing and mailing our monthly FEEDBACK newsletter. Please contact co-chair Mark Hinkel (WA3QVU) for more information.

### ATTENTION MEMBERS

If you want to have your picture taken to be placed on the 'Members Photos' section of the [www.k3dn.org](http://www.k3dn.org) website, please email Mark Hinkel at [mrhinkel@verizon.net](mailto:mrhinkel@verizon.net) or myself Michelle at [mal61@comcast.net](mailto:mal61@comcast.net) with your interest. If we get enough people who are interested, I will pass the info on and then we will have camera ready at the following club meeting. Remember to bring your best face!"

The Membership Committee has badges and Club cards for you to pick up. If you do not have a Warminster Amateur Radio Club badge or card with your picture on it, please stop by and visit your Membership Chairs, Mark Hinkel - WA3QVU or Michelle London - KB3MTW at the WARC monthly meetings. Otherwise, please contact Membership at: [WARCmembership@K3DN.org](mailto:WARCmembership@K3DN.org). Thank you.

## FOR SALE

Welz CT150 coaxial termination	\$30	Bushnell field glasses	\$25
Kenwood RD-20 dummy	\$15	Drake surge shunt model 1549	\$5
Dixon redimark felt tip marker	\$.50	female to female BNC connector	\$.50
Micronta SWR/power meter	\$15	Spool of solder (silver)	\$3
male UHF to female BNC connector	\$.50	Radio Shack six outlet power strip	\$5
Small bench vise	\$5	2005 & 2006 arrl periodical CD's	
Astron RS-35A power supply	\$80		

Contact Don Rector W3UBF Phone: 215-393-4642  
Email: [byronrector@verizon.net](mailto:byronrector@verizon.net)

**DECEMBER HOLIDAY DINNER**

WARC Members,

Hold this date and mark your calendars now. Our WARC Holiday Dinner is now planned. Bring your wife, your girl friend or your kids. This will be an evening of fun, networking and holiday cheer.

Date: December 2<sup>nd</sup>

Time: 6:30pm to ?

Location: Benjamin Wilson Senior Center (same place as our regular meetings)

Cost: \$12.50 for Adults and \$7.50 for Children under 12 years old.

Menu items:

- Baked Chicken
- Meat Balls
- Stuffed Shells
- Glazed Carrots and Herb Roasted Potatoes
- Cold Platter (Cold Cut Meats, Potato Salad, Macaroni Salad and Cole Slaw)
- Breads
- Desserts
- Soda's and Coffee

Please send your reservation checks by mail to:

Warminster Amateur Radio Club

Box 113

Warminster, PA 18974

Or through PayPal through the WARC Club Website ([www.k3dn.org](http://www.k3dn.org)).

Please make sure you include a note with your name, call sign and the number of Adults and Children with payments.

All reservations have to be in by November 23<sup>rd</sup>.

**PROGRAMS**

**December 2, 2010** - Annual Warminster ARC Holiday Dinner.

**January 6, 2011** – NAWC Museum Presentation

**February 3, 2011** – Annual Club Auction

**March 3, 2011** – Repeater Update and EchoLink by Brian (N3EXA) and Al (WI3Z)

**April 7, 2011** – ARRL Night – Log Book Of The World (LOTW) and Hamfest (May 1, 2011)

**May 5, 2011** – Digital Modes – PSK31, RTTY, etc.

**June 2, 2011**– Pizza Night with WARC Elections and Home Brew

**July 7, 2011** - Storm Chasing Presentation

**August 4, 2011** – Software Defined Radio

**September 1, 2011** – Storm Watching

**October 6, 2011** – D-Star

**November 3, 2011** - Ham Radio Outlet RICK LAMB (K3TL).

**December 1, 2011** – Annual Warminster ARC Dinner.

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**Warminster Amateur Radio Club  
General Meeting Minutes  
November 4, 2010**

Meeting was called to order by the President, Rich (AG3L) at 7:35 pm.

HOLIDAY DINNER – Irwin (KD3TB):

Pick up Holiday Dinner forms.

INTRODUCTIONS:

MINUTES FROM THE OCTOBER 2, 2009 MEETING:

A motion was made, seconded and unanimous vote to accept them as printed in the Feedback Newsletter.

TREASURER REPORT- James (K3JHR):

As given

COMMITTEE REPORTS:

PUBLIC SERVICE – Doc (W3GAD):

November 25, 2010 – Thanksgiving Turkey Trot 5 K Run. 8:30 – about Noon. Summit Park Shopping Center, Newtown. Meet at Einstein's Bagel on Rte. 413 at 8:00 am. Race starts at 9:00 am. It should be over by 10:30 – 11:00 am. Take canned food. It benefits a children's village.

No other until next year.

CLASSES - George (KA3WXV):

The Technician license class is over. Next spring there will be a class for the General level. It will start the first or second week in March. It will last eight weeks and use the ARRL book.

VE SESSIONS

November VE session will be December 1. December VE session will be December 29.

REPEATER – Brian (N3EXA):

Repeater works. Echolink is up.

He has a new board to tell which input you are on.

MEMBERSHIP- Mark (WA3QVU) and Michelle (KB3MTW):

There are currently 113 paid-up members. There are three new members tonight.

Every member is also encouraged to join the ARRL. The club must have at least 50% of its members as ARRL members to keep the WARC's affiliation. ARRL annual membership dues are \$39.00.

PROGRAMS- Irwin (KB3TB):

December 2, 2010 – Annual Warminster ARC Dinner.

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December 1, 2011 – Annual Warminster ARC Dinner.

OLD BUSINESS:

Russ (KB3UI) is working of the club's status as a non-profit organization with a 501(c)3 submission form.

NEW BUSINESS:

Joe \_\_\_\_\_ mentioned that there will be a ceremony on December 7 at Willow Grove at the chapel in recognition of the Pearl Harbor attack. It will be a 45 min ceremony followed by a lunch (\$8.00). The base closes June 2011.

MEMBER COMMENTS/QUESTIONS:

Don Rector (W3UBF) has equipment for sale listed in Feedback.

Doc Morein (KA3RAU) would like to start a CW practice net. Anyone interested should contact Doc.

Burt Ludin (N3YVH) has found a new source for club shirts. Shirts are \$20.

Doc Whitticar (W3GAD) The topic for the Packrats meeting in two weeks is HD radio.

Brian Faux (N3QGO) Talked about NBEMS. He will give a demo when he gets it working. He must be in the front of the room to get a net connection.

TONIGHT'S PROGRAM:

**Ham Radio Outlet RICK LAMB (K3TL).**

Submitted:

WDØESL, Club Secretary

November 13, 2010

## Solar Update

Tad "For I have the warmth of the Sun" Cook, K7RA, reports: Sunspot numbers declined this week, and it looks like the average daily sunspot number will be less than half the value reported last week. Solar flux was in the 90s a week ago and is now around 75. The predicted solar flux from NOAA/USAF shows levels continuing around 75 through December 1, and then rising gradually and returning to 90 around December 12-14; quiet geomagnetic conditions are predicted for the near term. This week's bulletin will be available as usual on Friday from the ARRL Web site, but it won't go out from W1AW or via e-mail until Monday, November 29. Look for more information on the ARRL Web site on Friday, November 26. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page. This week's "Tad Cookism" is brought to you by The Beach Boys'

*The Warmth of the Sun. Courtesy The ARRL Newsletter*

## Hams Invited to Listen for New Satellites

Five research satellites were carried to orbit Friday evening aboard a Minotaur V rocket from Kodiak Island, Alaska. All the satellites use Amateur Radio frequencies and hams have been invited to participate in their missions by monitoring and collecting data.

The FASTRACs are two relatively small "nanosatellites" built by students at the University of Texas-Austin. They enter orbit as a single spacecraft, but then separate into FASTRAC 1, known as "Sara Lily," and FASTRAC 2, referred to as "Emma." Both satellites use 1200 or 9600 baud AX.25 digital communication and transmit at 1 W output, so they should be receivable with omnidirectional VHF or UHF antennas and decodable by ordinary packet radio hardware and software.

*FASTRAC 1    FASTRAC 2*

Downlink(1200/9600 Baud) 437.345 MHz 145.825 MHz

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Beacon (1200 Baud)	437.345 MHz	145.825 MHz
Uplink (1200 Baud)	145.980 MHz	435.025 MHz
Uplink (9600 Baud)	145.825 MHz	437.345 MHz
Satellite Call Sign	FAST1	FAST2

After their scientific missions are complete, the satellites will be reconfigured to function as digipeater relays for Amateur Radio use as part of the Automatic Packet Reporting System (APRS).

Hams are invited to create a free account at the **FASTRAC Web page** and begin uploading telemetry data. Mission status information is also available via the **FAS-TRAC Facebook page**.

The third satellite in the group is the University of Michigan's Radio Aurora Explorer (RAX) CubeSat. RAX was designed and built by University of Michigan students and faculty in cooperation with SRI International. The primary objective of the mission is to use an onboard radar receiver in conjunction with a powerful radar station in Alaska to study the formation of a plasma anomaly known for causing the scintillation of radio signals in the UHF and higher bands. RAX carries a 9600 baud UHF digital transceiver. Using the call sign RAX-1, the satellite will send telemetry at 437.505 MHz. Amateurs are invited to download the free telemetry decoding software (for *Windows, Mac OS X, or Linux*) and submit reports **at the mission Web site**.

The Organism/Organic Exposure to Orbital Stresses satellite, better known as O/OREOS is a nanosatellite designed to study the growth, activity, health and ability of microorganisms to adapt to the stresses of space. It will also monitor changes in four classes of organic molecules as they are exposed to space conditions. O/OREOS transmits digital telemetry 437.305 MHz and hams are invited to submit raw telemetry data **at the O/OREOS Web site**.

NanoSail-D2 is a solar sail experiment with an expected lifetime of about 100 days. It carries a data beacon transmitting at 437.275 MHz. Amateurs are asked to submit reports **at the NanoSail-D2 Web site**. Although NanoSail-D2 was developed by NASA, mission control for this satellite, as well as O/ORES, is being handled by students at Santa Clara University. *Courtesy The ARRL Newsletter*

**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 2010 test fee is **\$15.00**.

**Warminster Amateur Radio Club**, Monthly, Last Wed. 7:00 pm at the Warminster Recreational and Educational Center on Little Lane.

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, 1st Saturday - George LeNoir, WR3B, 215-943-4886.

**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

**2010 Contest Calendar**

<b>12/03/2010</b>	ARRL 160 Meter Contest
<b>12/11/2010</b>	ARRL 10 Meter Contest
<b>12/19/2010</b>	ARRL Rookie Roundup - December

➤ **ATLANTIC DIV. HAMFESTS - 2011**

**January 15** Harrisburg Radio Amateurs Club Paxtang Firehouse  
3423 Derry St., Harrisburg, PA www.w3uu.org

**January 23** Maryland Mobileers Amateur Radio Club Odenton Volunteer Fire Department Hall 1425 Annapolis Road (Route 175) Odenton, MD 21113  
http://www.mobileers.org/

**March 26-27** Baltimore Amateur Radio Club Maryland State Fairgrounds  
2200 York Road Timonium, MD http://www.gbhc.org

**SKYWARN INFORMATION**

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

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

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

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

➤ **CLUB EQUIPMENT**

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

**Area Repeaters**

**VHF**

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

**220**

- 224.580 PackRats
- 223.76 K3NAL

**UHF**

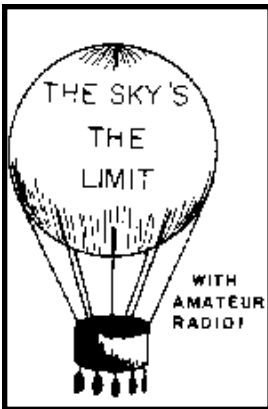
- 442.650 DVRA
- 443.250 TAG
- 443.050 Metro-Comm
- 443.950 Warminster
- 444.200 BEARS
- 449.325 KA3WXV
- 447.475 WR3B
- 447.625 WE3E
- 448.225 Penn Wireless

**D-STAR**

- 447.625 K3PDR DStar DV

**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 shuttle.

For further information contact: George Brechmann at 215-443-5656

**Bucks County Amateur Radio Emergency Service (BCARES)**

[www.bucksares.org](http://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 Board meeting.

The annual dues rate structure is as follows:

<b>Full Member:</b>	<b>\$ 20.00</b>
<b>2nd Family Member:</b>	<b>\$ 10.00</b>
<b>Student:</b>	<b>\$ 10.00</b>
<b>Alumni:</b>	<b>\$ 10.00</b>
<b>Associate:</b>	<b>\$ 5.00</b>

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

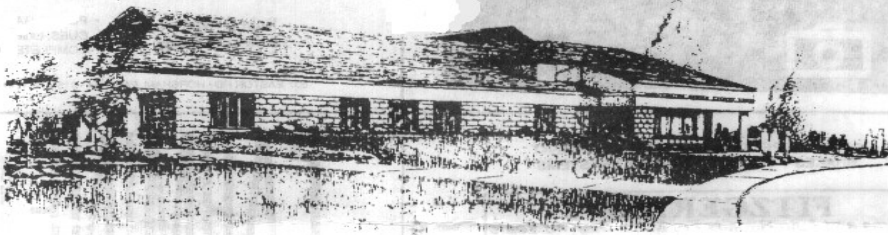
**2010 Officers**

**Executive Officers**

President	Richard Luce	AG3L	215-441-8264
Vice-President	Irwin Darack	KD3TB	215-343-8170
Secretary	Frank Clayton	WD0ESL	215-855-1029
Treasurer	James Hersch	K3JSR	215-674-1607
Director (E)	Michelle London	KB3MTW	215-672-7578
Director (E)	Mark Kempisty	N3GNW	215-953-1493
Director (A)	Al Konschak	WI3Z	215-491-9941
Director (A)	Brian Taylor	N3EXA	215-257-6303
Past President	Larry Abbott	WA3ELQ	215-443-7521

**Committee Chairpersons**

Archives	Burt Ludin	N3YVH	267-781-0603
ARES Liason	Denise Burstein	KB3ANO	215-355-1150
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 11	Mark Kempisty	N3GNW	215-953-1493
Fundraising	Adam Huffnagle	KB3JCP	215-442-9526
Hamfest 11	Mark Hinkel	WA3QVU	215-659-4449
Hamwear	Burt Ludin	N3YVH	267-781-0603
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Interference	Mark Kempisty	N3GNW	215-953-1493
Membership	Michelle London	KB3MTW	215-672-7578
Membership	Mark Hinkel	WA3QVU	215-659-4449
Net Manager	George Brechmann	N3HBT	215-443-5656
PA QSO Party	Mark Kempisty	N3GNW	215-953-1493
Publicity	Dan Myers	KB3IBQ	215-957-2343
RACES Liason	Chris McCormack	N3JHR	215-969-2626
Refreshments	Doc Morein	KA3RAU	215-542-0593
Refreshments	Randy Gehman	N3LJE	215-822-9473
Repeater Cooridinator	Brian Taylor	N3EXA	215-257-6303
Satellite	Joe Bagnick	N3EMA	215-997-2539
Skywarn Liason	Mike Patton	W3MJP	215-491-9665
Station Trustee	George Brechmann	N3HBT	215-443-5656
Sunshine Club	Vince Pironti	KD3TC	215-674-0446
Township Liason	George Brechmann	N3HBT	215-443-5656
VE License Testing	Larry Abbott	WA3ELQ	215-443-7521
VHF/UHF/MW	Al Sheppard	N3ITT	610-847-5490
Website Coordinator	Al Konschak	WI3Z	215-491-9941
Youth Programs	Richard Luce	AG3L	215-441-8264
Youth Programs	Steve Larson	WW3Y	215-822-1511

**Club Station****Meetings****Talk To Us**

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.

For general club correspondence:

[k3dn@k3dn.org](mailto:k3dn@k3dn.org)

For Feedback articles:

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