



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

December 2009

Next Meeting December 3rd - Holiday Dinner

President's Message



Be an Elmer

I read an interesting email from one of our members recently pointing out that our membership is getting older and that there were few new young members joining. This is true not only for WARC but for ham radio in general. The email went on to stress how important it was to find a way to bring younger people into ham radio and into the club. While there is no simple way to accomplish this, one of the best ways to start is for each one of to become an Elmer

An Elmer? What's an Elmer? Well, let's see. There is Elmer Fudd who is always busy hunting wabbits. Then there is Upton Sinclair's hard-drinking con man Elmer Gantry. Of course there is Elmer the Bull of Elmer's glue fame. And let's not forget the town of Elmer, New Jersey. But these are not the Elmers we are talking about.

On the ARRL website, Norm Fusaro W3IZ defines an Elmer as "...someone who provides personal guidance and assistance to would-be hams." IW5EDI uses a Star Wars analogy on his web site describing an Elmer as "...the ham equivalent of a 'Yoda'." Basically, an Elmer is a mentor to those who want to become hams and to those who are just starting out in the hobby.

So just how can each of us become an Elmer? Well, there are several things we can do. First, look around and see who you know that might have an interest in becoming a ham. Perhaps there are young people in your family

or in the families of friends that might be interested in ham radio. Maybe there are neighbors that you could mentor. Did anyone ask you about the antennas you have up or the radio you have in your car? These could be potential hams. Why not help these people learn what ham radio is all about. Demonstrate your gear and talk about our hobby to peak their interest. Secondly, be willing to take the time to help teach and train those who are interested. There is a lot to learn and a friendly and patient guide can make all the difference to someone just starting out. Actually preparing for and taking the licensing test can be a little overwhelming. Your encouragement and support can go a long way in helping your student successfully get their first ham ticket. Thirdly, help new licensees get on the air. Be their first contact and help them feel at ease. Those first few QSO's can be very intimidating. Introduce them to other hams and help them develop on-the-air friendships. And don't forget to help a new licensed ham set up his/her first station. Fourth, help the new ham get involved with the many aspects of ham radio. With your guidance the new ham will be able to find the kinds of activities - both on and off the air - that interests her or him. And lastly, encourage that new ham to get others interested in the hobby - to become an Elmer as well.

According to the ARRL website, the term Elmer was first used in QST by Rod Newkirk W9BRD (now also VA3ZZB) in a March 1971 "How's DX" column. Newkirk called them "...the unsung fathers of Amateur Radio." He goes on to say, "All the Elmers, including the ham who took the most time and trouble to give you a push toward your license, are the birds who

keep this great game young and fresh." Can you be an Elmer?

73,
Ralph L. "Larry" Abbott WA3ELQ

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

(Continued on page 2)

The Warminster Amateur Radio Club is a volunteer-based organization. Without the selfless work performed by volunteers such as yourself, there would be no Club.



PROGRAMS

Thursday December 3, 2009 – Annual Warminster ARC Dinner

This is the occasion where we set “ham radio speak” aside, invite the XYL or significant other, and just enjoy the friends we have made over the years at WARC. The dinner will be catered, and will be served buffet style at the Senior Center. The food is very good, and you won’t go away hungry.

Thursday January 7, 2010 – Presentation by Lower Bucks Red Cross

Steven Huizar, who is the Emergency Services Director of the Lower Bucks Red Cross, will be making a presentation on the Red Cross.

The discussion will be on Red Cross Emergency Services and how they work together with amateur radio.

Thursday February 4, 2010 – Annual Club Auction

Going once...going twice...Yes, February is the time for our annual club auction. Check those closets and bring in that gear you don’t use any more, those parts that are just taking up space, or that “junk” you have been meaning to get rid of, and donate it to the club. We will auction it off to other interested hams who may find your “junk” their treasure. Bring along some cash. You may find some treasures as well. Mark / N3GNW will be the auctioneer and MC.

Thursday March 4, 2010 – Presentation by Brian / N3EXA on the Club Repeater

Over the last year, the K3DN repeater system has been upgraded with new features. Brian / N3EXA and Al / W13Z will have some new equipment on hand, as well as some photos on the various repeater sites. The club is in the process of upgrading the remote sites, and adding one additional in Upper Bucks County. There is an Echolink upgrade which will be part of the system. This is the time to ask those questions about the system we all use.

Thursday April 1, 2010 – Still Open

Going once...going twice...Still Open

Thursday May 6, 2010 – Presentation by Ron / NY3J on Digital EmComm with NBEMS

Think back to your last public service event, drill, or deployment. You probably passed a lot of traffic best suited for voice communications but...What if you had been asked to pass a Roster of evacuees, Required prescription medications, Directions to a disaster scene. The needs of our Served Agencies have changed. They still need voice communications but...There's an increasing need for data communications. We need to be able to provide more than just voice communications from a ham with an HT. Ron / NY3J will introduce you to NBEMS (Narrow Band Emergency Messaging System).

Thursday June 3, 2010 – Club Election of Officers / Pizza Night / Home Brew Projects

This is a triple event. It’s our annual Warminster ARC Election of officers. It’s Pizza Night – always a hit, and it’s that time of the year where you bring in your Home Brew that you have built, or are building. Last year we had the famous Spud Gun which was used at Field Day, and the Altoids tin QRP radio. What will we see this year?? Also this is the last meeting prior to Field Day, and we’ll spend a few minutes on last minute issues.

(Continued from page 1)

(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 website, please email Mark Hinkel at mrhinkel@verizon.net or myself Michelle at 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. Thank you.

SOLAR UPDATE

In for Tad "While the wonders of nature exploring <http://englishhistory.net/keats/poetry/tosemeladies.html>>" Cook, K7RA, reports: Sunspot region 1029 disappeared after October 30, as it began transiting the Sun's back side. Six days after it was gone, a new region -- region 1030 -- appeared for several days. By November 8, region 1030 had faded away and looked like other weak spots we've seen over the past couple of years, except they appeared for one day with a sunspot number of 11. Sunspot region 1030 ran for three days with sunspot numbers of 15, 16 and 11. Then on November 9, the sunspot region re-emerged, with sunspot numbers of

14, 13 and 11 through November 11. While 1030 passes over the Sun's western limb, we can still see sunspot region 1029 transiting the far side of our local star, now approaching the eastern horizon. None of this observation would be possible but for the STEREO mission <http://stereo.gsfc.nasa.gov/>. Old region 1029 appears as a bright area of magnetic disturbance, and we can't actually determine what the sunspot number or the total area of the region might be, but it still appears to have a large and robust magnetic signature. The 45 day Air Force and NOAA Ap and flux forecast gives us some clue about the dates it will emerge into view, and when it is most directly facing Earth. Predicted solar flux is 72 for November 12-13, 73 on November 14-15, 74 on November 16-17, 75 on November 18-21 and 80 for November 22-24. After that, the forecast shows it declining to 75, 72 and 70. This suggests it might reach

(Continued on page 3)

(Continued from page 2)

the most geoeffective position, that is, the position where it is near the Sun's central meridian relative to the Earth, around November 22-24. Conditions have been good, with continued weak or missing solar wind, and very quiet geomagnetic indicators. Look for more information in the Solar Update, available on the ARRL Web site on Friday, November 13. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <<http://www.arrl.org/tis/info/propagation.html>>. This week's "Tad Cookism" brought to you by John Keats' To Some Ladies <<http://englishhistory.net/keats/poetry/tosomeladies.html>>.

Courtesy The ARRL Newsletter

THE DOCTOR IS IN: ANTENNAS FOR DOMESTIC CONTESTS

By ARRL News Editor S. Khrystyne Keane, K1SFA

Just the other day, the Doctor and I got to talking about ARRL Sweepstakes <<http://www.arrl.org/contests/rules/2009/novss.html>>. I showed him my crystal mug and whisk broom from last year's Sweepstakes running (the W1AW team did quite well), and he showed me what kind of antennas I should look into for domestic contests. Being more of a DX RTTY contester, I really don't know much about the domestic side of things. I dabbled in the February NAQP RTTY Contest <<http://www.ncjweb.com/naqprules.php>> last year from K1TTT <<http://www.k1ttt.net>> -- and will do so again in 2010 -- so I made sure to listen attentively. Here is what the good Doctor had to say:

<http://www.arrl.org/news/files/DoctorARRL_Letter102909Figure1.pdf> Each contest brings its own special requirements to the antenna designer. While many popular contests focus on communications outside North America and require the ability to send signals to all points of the compass, Sweepstakes is different, with a need to cover just the US and Canada. That means generally shorter range contacts and contacts in a limited range

of directions, depending on station location.

In addition, points are gathered based on individual contacts multiplied by ARRL Sections. Thus, it is desirable to have the capability to reach all 80 sections on at least one band that will have propagation available. ARRL Contest Manager Sean Kutzko, KX9X, notes that many a contest superstation's secret weapon for Sweepstakes is a 40 meter dipole up between 25-30 feet. He says 40 meters is the Sweepstakes "money band" -- you can get close-in contacts during daylight and rake in the distant Sections when the band goes long in the evening hours. He said he had never put in a serious effort at Sweepstakes without a low dipole for 40, no matter how much aluminum he had up in the air.

<http://www.arrl.org/news/files/DoctorARRL_Letter102909Figure2.pdf>

Another great solution is a multiband Yagi that can be pointed towards the areas with the best propagation. If possible, have it relatively low -- perhaps at a half-wave length above ground -- to be able to cover the close-in stations, as well as those at the continent's far edge. Obviously, from the Central US or Canada, distances tend to be shorter than they are from the coasts with stations near the edges better able to make use of higher antennas. If you have the ability to try different heights, by all means try lowering your antenna from the optimum height for transcontinental contacts and see what works best for you.

If you're like me and don't have rotatable HF arrays available, all is not lost. First you need to figure out what azimuths you need to cover and then try to match those to fit your location. From my Connecticut location, I would want to cover from the direction toward old friend Don, WT1I, in Ocala, Florida (bearing 214°) up to Mark, KL7TQ, my old Army buddy in Eagle River, Alaska (322°).

There are many ways to compute the

bearing to a station. The easy way out is to just use www.qrz.com <<http://www.qrz.com/>>. If your listing includes your latitude and longitude, bringing up another station and "looking at the details" will provide you with the bearing to their station. If you don't know anyone at the edges of the desired coverage area, just put a city name in the "Name Search" function and pick one that comes up. It doesn't get much easier -- or, if you must, you can use spherical trigonometry.

<http://www.arrl.org/news/files/DoctorARRL_Letter102909Figure3A.pdf>

Using my station as an example, the range of bearings I want to cover requires a beamwidth of 322° minus 214°, or 108°. A half-wave dipole at a height of half a wave length has a -3 dB beamwidth of 87° (see Figure 1). At a width of 108° it's only down to -4.6 dB from the peak. That's pretty close, and might be good if I had a lot of distant stations behind me, as in Central US or Canada, but I don't.

If I were to put a wire reflector, 5 percent longer than the original dipole, 6 feet behind it (for 20 meters), I would have an easy to deploy 2-element Yagi with the pattern shown in Figure 2. To make it resonate in mid band, I need to trim about 4 inches from each end of the now driven element and I'm good to go. Note what I have -- a bit more gain in front, a lot less in the back, but still plenty of signal toward northern New England. My signal at the edges of my coverage area is now stronger than the dipole's -3 dB points.

If I don't have many stations to my rear, an additional 1 dB of forward gain can be achieved at the expense of rearward signals (see Figure 3) and a higher SWR by shortening the reflector a few inches -

WARC JACKETS, SHIRTS AND HATS

Are available. Delivery within one month of placing order- the more we order, the lower the prices. See Burt (N3YVH) for order forms and cost information.

- about 2.5 percent over the driven element should do the trick. This may be worthwhile if you are right at a corner of the country. For more bands, just use parallel elements and multiple reflectors. See the article

<<http://www.arrl.org/tis/info/pdf/0111035.pdf>> by Marcus Hansen, VE7CA, to get the idea. Azimuth plots represented in Figures 1, 2 and 3 represent the output from the EZNEC antenna modeling software <<http://www.ez nec.com/>> by Roy Lewallen, W7EL.

Thanks Doctor! Do you have a question or a problem? Send your questions via e-mail <doctor@arrl.org> or to "The Doctor," ARRL, 225 Main St, Newington, CT 06111 (no phone calls, please). Look for "The Doctor Is IN" every month in QST <<http://www.arrl.org/qst>>, the official journal of the ARRL.

Courtesy The ARRL Newsletter

Warminster Amateur Radio Club General Meeting Minutes November 5, 2009

Meeting was called to order by the President, Larry (WA3ELQ) at 7:40 pm.

INTRODUCTIONS:

MINUTES FROM THE October 1, 2009, 2009 MEETING:

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

TREASURER REPORT- Rich (AG3L):
As given

COMMITTEE REPORTS:

PUBLIC SERVICE- George (N3HBT):
November 26, 2009 (Thanksgiving) – 5 Mile Run in Newtown at the Summit Square Shopping Center at the intersections of routes 332 and 413 from 8:00 am to Noon. See Doc (W3GAD) or Drex (W3ICC).

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

There are currently 129 paid-up members.

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. We presently have 89 with ARRL memberships. ARRL annual membership dues are \$39.00.

CLASSES - Rich (KB3NRL):

Rich will teach a Technician class in the fall.

Starting March 1, 2010 (First Monday) at 7:30 – 9:00 pm for 8 weeks. Study guides are the responsibility of the student.

PROGRAMS- Rich (AG3L):

December 3, 2009 – Annual Warminster ARC Dinner.

This is the occasion where we set "ham radio speak" aside, invite the XYL or significant other, and just enjoy the friends we have made over the years at WARC. The dinner will be catered, and will be served buffet style at the Senior Center. The food is very good, and you won't go away hungry. See George / N3HBT for tickets and information. This is the last time to get tickets.

January 7, 2010 – Presentation by Lower Bucks Red Cross Steven Huizar, who is the Emergency Services Director of the Lower Bucks Red Cross, will be making a presentation on the Red Cross. The discussion will be on Red Cross Emergency Services and how they work together with amateur radio.

February 4, 2010—Club Auction

Mark (N3GNW) will be the Auctioneer.

March 4, 2010 - Presentation by Brian (N3EXA) and Al (WI3Z) on the Club Repeater. The K3DN repeater system

has been upgraded with new features. Some new equipment will be on hand, as well as some photos on the various repeater sites. An Echolink upgrade will be part of the system.

April 1, 2010 – Still Open

May 6, 2010 – Presentation by Ron (NY3J) on Digital EmComm with NBEMS

During a public service event, drill, or deployment there's an increasing need for data communications such as a roster of evacuees, required prescription medications or directions to a disaster scene. We need to be able to provide more than just voice communications from a ham with an HT. Ron (NY3J) will introduce you to NBEMS (Narrow Band Emergency Messaging System).
June 3, 2010 – Club elections.

LIBRARY- Bill (K3ZMA):

In the same vein as Larry's (WA3ELQ) Feedback President's Message this month, there is a book in the Library called "200 Meters and Down".

REPEATER – Al (WI3Z):

Everything is working. Half of the new receivers have been acquired and are now operating. No new transmitters have been ordered yet. The Grange is putting up a 150 foot bell tower. This might be a future repeater site.

FIELD DAY:

Rich (KB3NRL) volunteered to be Field Day Chairman again. He could use any help he can get.

NEW BUSINESS:

Next VE session is November 18, 2009 at the Warminster Education and Recreation Center. The club received a plaque from the Warminster Parks and Recreation Department for our participation in the October 12th golf

(Continued from page 4)
outing.

50/50:
Ben (K3JQH)

TONIGHT'S PROGRAM:

Ham Radio Outlet - RICK LAMB (K3TL) presented "what's new" in ham radio equipment, and answered any of those questions you had. In addition, AL (WI3Z) and

RICK (K3TL) discussed Flex Radio and Software Defined Radio (SDR). Al brought his Flex-3000 for a show and tell.

Submitted:
WDØESL, Club Secretary
November 9, 2009

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 2009 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

2009 – 2010 Contest Calendar

December	4 - 6 ARRL 160 Meter Contest 12 - 13 ARRL 10 Meter Contest
January	1 Straight Key Night 3 - 4 ARRL RTTY Round-Up 17 - 19 ARRL January VHF Sweepstakes
February	21 - 23 ARRL International DX Contest (CW)
March	7 - 8 ARRL International DX Contest (Phone)

➤ **ATLANTIC DIV. HAMFESTS - 2010**

16 Jan 2010 + HRAC Winter Fest Harrisburg Radio Amateur Club

<http://www.w3uu.org> Harrisburg, PA Paxtang Firehouse

3423 Derry Street

27 Jan 2010 + FREE Mini-Fest Baltimore Amateur Radio Club

<http://www.gbhc.org> Timonium, MD

Maryland State Fairgrounds 2200 York Road

31 Jan 2010 + 2010 Post Holiday Hamfest Maryland Mobileers Amateur Radio Club

<http://www.mobileers.org> Odenton, MD

Odenton Volunteer Fire Department Hall

1425 Annapolis Road (Route 175)

27-28 Mar 2010 * Maryland State Convention (Greater Baltimore Hamboree

and Computerfest) Baltimore Amateur Radio Club <http://www.gbhc.org>

Timonium, MD Maryland State Fairgrounds 2200 York Road

10 Apr 2010 + York Hamfest Foundation <http://www.yorkhamfest.org>

Spring Grove, PA Porter Community Fire Company 1199 Porters Road

25 Apr 2010 * New Jersey State Convention Delaware Valley Radio Association

<http://www.w2zq.com> Ewing, NJ The College of New Jersey 2000 Pennington Road

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, Richard Luce AG3L
 215-441-8264



*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.

**Technician Class:
 Starting March 1, 2010 (First Monday) at 7:30 – 9:00 pm for 8 weeks.**

For further information contact: Rich Enwright at 215-357-9055 or George Brechmann at 215-443-5656

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 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
- 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

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.

Gateway Stations on:

- Upper NJ3A-10 145.610 Riegelsville
- Central KB3BUX-10 145.670 Ivyland Home frequency
- Lower NY3J-10 145.530 Bensalem

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:

- Submit in IBM format on a floppy disk.
- Or via 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 Thursday after the Club meeting.
- Volunteers are needed for folding at the Board Meeting, Ben Wilson Center, last Thursday of the month, 7:30 PM.

Bucks Bagels
1179 York road (RT. 263)
Warminster, PA
674-1400

"Home of the fresh, not frozen dough"

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.

2009 Officers

Executive Officers

President	Larry Abbott	WA3ELQ	215-443-7521
Vice-President	Richard Luce	AG3L	215-441-8264
Secretary	Frank Clayton	WD0ESL	215-957-2343
Treasurer	Richard Luce	AG3L	215-441-8264
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)	Michael Davis	KB1JEY	215-646-6011
Past President	George Brechmann	N3HBT	215-443-5656

Committee Chairpersons

Archives	Burt Ludin	N3YVH	267-781-0603
ARES Liason	Denise Burstein	KB3ANO	215-355-1150
Arl Liason	Richard Luce	AG3L	215-441-8264
Awards Manager	Vince Pironti	KD3TC	215-674-0446
Classes	Rich Enwright	KB3NRL	215-357-9055
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 09	Rich Enwright	KB3NRL	215-357-9055
Fundraising	Adam Huffnagle	KB3JCP	215-442-9526
Hamfest 09	Michael Davis	KB1JEY	215-646-6011
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

For Feedback articles:

wa4ywm@comcast.net

Visit our Home Page at:

<http://www.k3dn.org>

**Federal Communications
Commission**

1270 Fairfield Road
Gettysburg, PA 17325

License Information

800-322-1117 - M-F 0800-1630

Fax-On-Demand 202-418-0177

FEEDBACK

Warminster Amateur Radio Club
Box 113
Warminster, Pa 18974

Address Service Requested. If
Undeliverable, Return to Sender.