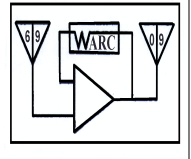




# FEEDBACK



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

Warminster Amateur Radio Club

January 2008

## Next Meeting January 3rd - Kit Building



### President's Message

From my Dad to the club: (letter to editor?)

I wish to thank the members of WARC that were at the annual Christmas banquet for making my visit to the east coast and my family even more enjoyable. I hope if you are ever in my neighborhood I can return the favor. I also will update 'feedback' early next year with news about the 'mini' DX-pedition to the arctic circle and the top of the world at Prudhoe Bay.

Have a Great Christmas  
Pete Burokas - KL1HB

It was quite an enjoyable dinner we had this year. Many people stayed well after food was cleaned up discussing many a topic. That's just like hams, always hamming it up, with or without a radio.

As winter is the "quite time" in ham radio (few outdoor events, few public service obligations) and this is also the quiet time in the solar cycle (near zero sunspots) you may not have touched certain pieces of gear in quite some time.

In reality, winter should be a time for experimenting. For digging out that old piece of gear and warming the tubes up (or letting the tubes warm up the shack). Are you interested in a digital mode? Or have you a beautiful old collectors piece that you've been meaning to do some work on, clean up and put back on the air. Well, now's the time.

You don't have to worry about yard

### 2008 Contest Calendar

<b>January</b>	5 - 6 ARRL RTTY Round-Up 19 - 20 ARRL January VHF Sweepstakes
<b>February</b>	16 - 17 ARRL International DX Contest (CW)
<b>March</b>	1 - 2 ARRL International DX Contest (Phone)

work. You don't have to think about jumping out of bed to provide weather service reports because it really doesn't flood much in the winter. Nor do you have to commit to spending one of the precious weekend days to providing communications support to any of the many events that the Warminster Amateur Radio Club operates. Of course, if you're retired, then those weekend days are a bit less precious, but they are all important.

Take time for yourself. Plan a "shack" day where you get in there and do something you've been meaning to do but just haven't had the time. You give your time in the spring, summer and fall to others. Now plan a day for you. Give it back to yourself- at least one in January and one in February.

Myself- I've been meaning to set up a little bank of batteries for the rigs. I have the batteries and the charger. But I need to get a domahickie for the charger to get more levels out of it. I have to crimp a bunch of cables together and attach them all together through some adaptor (like a 4-way or something) and then set all that up on some metal shelf, with some tiles underneath to insulate and protect in case of leakage or fire.

That's not a really big job, but ne that I know will take more than an hour or so. So I've never started it because I want to do it and get it done in one fell swoop. What I need is a "shack" day. See what I mean?

Also, in going through my gear, I may find a mobile antenna, or a gadget or two that I kept "just in case" but have never used and now, is even less important to me. I'll put it in the pile to bring to the club for the club auction-coming up in February.

If you have some clutter in the house and would like to clean out the shack a bit, bring your unwanted knick knacks to the club meetings in January and February. We'll add it to the piles and sell it off to the many people who really are looking for that whatchamacallit.

Anthony

Anthony Burokas - KB3DVS  
President, Warminster Amateur Radio Club

*(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 January 3, 2008 Kit Building**

Hams don't build their own gear anymore, right? Wrong! A lot of hams are using equipment they constructed themselves, and many times that equipment is built from a kit. Everything from small accessories to full-featured radios are available as kits. Join several of our kit-building club members for an informative evening on choosing and building ham-related electronic kits. Many completed and in-progress kits will be on display as well.

**Thursday February 7, 2008 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. As usual, Tom Michaud WA3TQJ will be our master auctioneer.

**Thursday March 6, 2008 Get on the Air Night**

Do you need a better antenna? Are the connectors on your coax in need of replacement? Do you need to troubleshoot a problem in your radio? Then join us for an exciting evening of hands-on workshops that can help you get on (or back on) the air. Current plans include workshops on 2 meter antenna construction, HF dipole/inverted V construction, attaching connectors to coax, troubleshooting and basic rig repair, and operating hints and tips including introduction to cw. (If you have a workshop suggestion, please let us know.)

**Thursday April 3, 2008 ARRL Night**

What is happening in ham radio today? What is the ARRL is doing for ham radio and for you? Eric Olena WB3FPL joins us for an informative evening to answer these and many other questions. Don't miss this important update! A question and answer session will be included.

**Thursday May 1, 2008 Hamfest Preparations/Nomination of Officers/TBA**

With May 4 and our Hamfest just days away, last minute preparations and coordination will be a vital part of this meeting. The Hamfest is our biggest event of the year and our most important fund raiser. It can work only with your support. In addition, election time is approaching. Have your nominations for club officers ready. (program TBA)

**Thursday June 5, 2008 Homebrew, Cool Gadgets, and Pizza Night/Election of Officers**

It's Pizza Night and that means it's show-and-tell time again! Bring in that homebrewed gear you just built, that kit you just finished, or that unusual gadget that you use in your shack. This is your chance to show it off!! Come out and see everyone's "stuff" while you enjoy some delicious pizza. It's also **election night**. Remember WARC is your club and you decide who will direct it for the next year – so come out and vote.

**Thursday July 3, 2008 Mobile Night**

What's in your car? Do you operate a two meter HT or do have a whole ham shack on your dash? Come out and share your mobile set-up with the club. Pass along your tips on installing equipment in a vehicle. Discuss antenna options. Share your mobilizing experiences. If the weather cooperates we will move the meeting to the parking lot and eyeball each other's installations. If you operate from your car you won't want to miss this meeting.

(Continued from page 1)

**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 \$8.00 annually to cover the costs of printing and mailing our monthly FEEDBACK newsletter. Contact Alumni Coordinator Randy Gehman (N3LJE) or Membership co-chair Mark Hinkel (WA3QVU) for more information.

**Attention members**

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.

**Rich Mitchell, N3III, Wins November "QST" Cover Plaque Award**

The winner of the "QST" Cover Plaque Award for November is Rich Mitchell, N3III, for his article "Building Kits to Learn." Congratulations, Rich! The winner of the "QST" Cover Plaque award -- given to the author or authors of the best article in each issue -- is determined by a vote of ARRL members on the "QST" Cover Plaque Poll Web page <<http://www.arrl.org/members-only/qstvot.html>>. Cast a ballot for your favorite article in the December issue by Monday, December 31.

Courtesy The ARRL Newsletter

(Continued on page 4)

### WARC Specialists at Work on Dan's (KB3IBQ) Tower



These surface mount radials are tough to work with.



That's Bill (Darth Vader) Strunk with the light sword



Let's see... this is where we can put the Tiny Tracker.  
Right Ron??



That's as high as Dan goes



That's the funniest looking antenna I have ever seen!



Oh darn, we forgot the beam!

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(Continued from page 2)

## SOLAR UPDATE

Tad "There's a Little Black Spot on the Sun Today" Cook, K7RA, this week reports: Sunspot 978 made a strong showing this week, and daily sunspot numbers are up as a result. The average daily sunspot number for this week rose more than 25 points to 36.7, and the average daily solar flux (the amount of energy we receive from the Sun at a wavelength of 10.7 cm or 2800 MHz) rose more than 14 points to 87.2. The sunspot numbers on December 9-11 were 42, 43 and 44. Sunspot numbers haven't been nearly this high since July 14-15 of 2007, when it was 41 both days. The daily sunspot number hasn't been higher since June 2-8 of this year, when it was 45, 58, 58, 63, 47, 59 and 51. Sunspot numbers for December 6-12 were 29, 24, 36, 42, 43, 44 and 39 with a mean of 36.7. The 10.7 cm flux was 78.2, 82.2, 86.9, 88.9, 86.9, 93.4 and 93.9 with a mean of 87.2. Estimated planetary A indices were 1, 1, 0, 2, 8, 12 and 7 with a mean of 4.4. Estimated mid-latitude A indices were 1, 0, 1, 1, 5, 9 and 7 with a mean of 3.4. The US Air Force and the NOAA Space Weather Prediction Center forecast solar flux at 95 for December 14-16, and 90 on December 17-19. This suggests a possible continuation of recent sunspot activity, because sunspot numbers this week were 39-44 while solar flux was 89-94. They also predict a planetary A index for December 14-20 at 5, 5, 10, 20, 15, 15 and 10, so expect unsettled to active geomagnetic conditions on Monday, December 17. Geophysical Institute Prague predicts quiet conditions December 14-16, active December 17, and unsettled December 18-20. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <<http://www.arrl.org/tis/info/propagation.html>>. To read this week's Solar Report in its entirety, check out the W1AW Propagation Bulletin page <<http://www.arrl.org/w1aw/prop/>>.

Courtesy The ARRL Newsletter

## MISLEADING AND INCORRECT RUMORS SURROUND IARU REGION 2 BAND PLAN

Misleading and incorrect rumors are surrounding the recently revised band plan of IARU Region 2 <<http://www.iaru-r2.org/band-plan/>>, adopted at its triennial conference in Brazil in September. The following statement was authorized by ARRL President Joel Harrison, W5ZN.

During the conference, held September 10-14 in Brasilia, representatives from IARU Region 2 societies met in committees prior to a final plenary session and adopted recommendations concerning a number of items important to Amateur Radio in the region. These included plans to improve emergency communication, enhance education and reduce interference to national emergency nets, as well as revising the Region 2 HF band plan.

The revised Region 2 band plan for 160-10 meters takes effect January 1, 2008. The band plan is based on the band plan adopted by IARU Region 1 <<http://www.iaru-r1.org/Spectrum.htm>> at its conference in Davos, Switzerland in September 2005.

IARU regional band plans have been in existence for many years. They are developed, reviewed and approved at regional conferences of the IARU Member-Societies. The band plans provide voluntary guidelines and recommendations for good operating practice that are intended to assist amateurs in making the most effective use of our limited frequency allocations. They are not restrictions and carry no regulatory authority.

Unlike the US, where the FCC's Part 97 rules regulate the frequencies allocated to the Amateur Radio Service by emission designator, many countries do not have government-regulated sub-bands within their amateur allocation. Because of this, the national Amateur Radio societies in these countries look to a band plan to provide guidance for the location of

operating preferences. In such cases, these countries are urged to promote incorporation or recognition of a band plan into their regulations. In the United States, however, ARRL's band plans will continue to provide guidance for recommended operating preferences including the 160 meter band <<http://www.arrl.org/FandES/field/regulations/bandplan.html#160m>> plan that was revised in 2001 on the basis of membership input.

One virtue of voluntary band plans is that they are more flexible and can be amended more easily than the FCC rules; writing them into the rules would be counterproductive. As voluntary guidelines, the band plan cannot by definition be "more severe" than regulations; however, if the band plan did not suggest an operating pattern that is a subset of the regulations, it would serve no purpose.

There is also a mistaken assumption that the new IARU Region 2 band plan is an ARRL initiative seeking regulation by bandwidth. It is not, nor is it in any way a vehicle to achieve regulation by bandwidth.

It happens that the ARRL's "regulation by bandwidth" petition, the now-withdrawn RM-11306, also drew on the Region 1 band plan. This is acknowledged on page 10 of the petition <<http://www.arrl.org/announce/regulatory/rm-11306/RM-11306-asFiled.pdf>>.

### WARC JACKETS, SHIRTS AND HATS

**Are available. Delivery within one month of placing order- the more we order, the lower the prices. See Bob (K3SRO) or call him at 215-822-7474 for order forms and cost information.**

*(Continued from page 4)*

The similarities between RM -11306 and the Region 2 band plan are the result of having some common roots, but the two are not otherwise related.

While a number of Amateur Radio organizations and publishers support and agree with the ARRL on the concept of regulation by bandwidth as an essential element to the orderly introduction of new digital modes into the HF bands, ARRL will not be pursuing a rulemaking until some degree of consensus can be achieved in the amateur community.

ARRL has conducted an open process of soliciting input regarding matters of importance to the Amateur Radio Service. That will continue prior to the submission of any proposals for future regulatory changes to improve the Amateur Radio Service.

As one of the 39 Member-Societies of IARU Region 2, the ARRL will, as always, continue to openly work to improve the Region 2 band planning process prior to the next conference and give its members ample opportunity to offer comments and suggestions. Members may provide input to their elected representative (identified on page 15 of QST), or to our Ad-hoc Band Plan Committee and e-mail address that was established in 2006 at <bandplan@arrl.org>.

*Courtesy The ARRL Newsletter*

### **Sunair Electronics and FlexRadio Working Together**

Sunair Electronics, announced in November that it has finalized an agreement with FlexRadio Systems to purchase certain customized state-of-the-art software defined high frequency radios (SDR) and accessory items for sale to Sunair's government and military customers. A software defined radio is a major departure from traditional designs where all radio frequency functions and processing are accomplished with hardware. In an SDR, many of the processes are accomplished with high speed digital processors allowing for much simpler hardware designs and allowing for extreme flexibility with respect for filtering and user specified functionality. HF radios operate in the frequency range of 2-30 MHz and are designed for long range global communications circuits. Sunair President Mark Allen said, "FlexRadio has been refining their design for more than four years. FlexRadio has combined extremely innovative software and graphical interfaces with RF hardware to produce a product which is truly state of the art when it comes to high frequency (HF) radio. This product will help our customers with their critical national security communications requirements." Gerald Youngblood, President of FlexRadio, said, "SDRs represent the most significant change in communications technology in well over half a century, allowing flexibility and performance not practical with traditional analog

approaches. We look forward to a long and productive relationship with Sunair."

*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 2008 test fee is **\$14.00**.

**Warminster Amateur Radio Club**, Monthly, Last Wed. 7:00 pm - Tom Michaud, WA3TQJ, 215-343-3494.  
**Bellmawr, NJ**, Monthly, 3rd Thursday 6:30 PM Bellmawr Comm. Senior Citizens Center Browning Rd. at Lewis St. Diane Nafis N2LCQ, 856-228-8088.  
**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 [jmccloskey@msn.com](mailto: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](mailto:w3pa@arrl.net)

### **➤ ATLANTIC DIV. HAMFESTS - 2008**

23 Jan 2008 + BARC Minifest Baltimore Amateur Radio Club  
<http://www.gbhc.org> Timonium, MD Maryland State Fairgrounds Home Arts Building 2201 York Rd  
 27 Jan 2008 + MMARC 2008 Post Holiday Hamfest Maryland Mobileers Amateur Radio Club <http://www.mobileers.org/> Odenton, MD Odenton Volunteer Fire Department Hall 425 Annapolis Road (Route 175)  
 29-30 Mar 2008 + Greater Baltimore Hamboree and Computerfest Baltimore Amateur Radio Club <http://www.gbhc.org> Timonium, MD Maryland State Fairgrounds 2200 York Road  
 19 Apr 2008 + York Hamfest York Hamfest Foundation  
<http://www.yorkhamfest.org> Dover, PA Brookside Park 4054 Fox Run 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, Larry Abbott WA3ELQ  
 WA3ELQ@k3dn.org  
 215-443-7521



*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 Altemus at [altemus@drs-c3.com](mailto:altemus@drs-c3.com) or phone 215-855-3856 evenings 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

**6 Mtr**

- 53.030 WA3BXW
- 53.230 N3DQZ
- 53.370 K3MFI

**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.

Telpac 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	28.440 MHz
Wednesday	2030	2 Meter Net	147.09 Rptr.
Wednesday	2030	Linked w/ 2 Meter Net	443.95 Rptr.
Sunday	2030	Informal Net	223.5 Simplex
Wednesday	2030	WARC	147.09 Rptr.
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 Memer:   \$ 10.00**  
**Student:               \$ 10.00**  
**Alumni:                 \$ 8.00**  
**12th grade or under:  \$ 5.00**

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

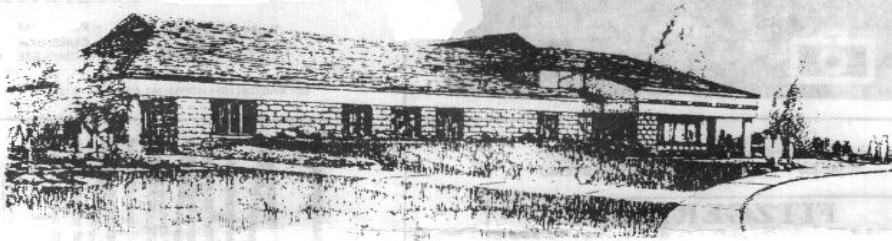
**2008 Officers**

Executive Officers

President	Anthony Burokas	KB3DVS	632-3283
Vice-President	Larry Abbott	WA3ELQ	443-7521
Secretary	Dan Myers	KB3IBQ	957-2343
Treasurer	Denise Burstein	KB3ANO	355-1150
Director (E)	Tom Michaud	WA3TQJ	343-3494
Director (E)	George Brechmann	N3HBT	443-5656
Director (A)	Al Konschak	WI3Z	491-9941
Director (A)	Michael Davis	KB1JEY	646-6011
Past President	Tony Simek	N3YNH	674-5218

Committee Chairpersons

Feedback Editor	Jim Elmore	WA4YWM	538-1889
Membership	Mark Hinkel	WA3QVU	6594449
	Michelle London	KB3MTW	672-7578
Field Day '08	Rich Enwright	KB3NRL	357-9055
Hamfest '08	Todd Hevener	KB3LCT	768-9926
January '08 VHF Contest	Joe Bagnick	N3EMA	997-2539
PA QSO Party '08	Mark Kempisty	N3GNW	953-1493
Archives	Frank O'Neill	N3UQP	699-9549
Alumni Coordinator	Randy Gehman	N3LJE	822-9473
ARRL Liaison	Kristina Pistilli	KB3ECW	572-5330
ARES Liaison	Denise Burstein	KB3ANO	355-1150
Awards Mgr.	Vince Pironti	KD3TC	674-0446
Classes	George Altemus	KA3WXV	855-3856
DXpedition	Doc Whitticar	W3GAD	968-0641
Special Interest Groups	Ron Wenig	NY3J	638-9257
CW/QRP co-chair	Marty Squicciarini	NR3Z	393-1492
Digital/APRS co-chair	Ron Wenig	NY3J	638-9257
FM/Repeater co-chair	Mark Hinkel	WA3QVU	659-4449
Satellite co-chair	Joe Bagnick	N3EMA	997-2539
VHF/UHF/MW co-chair	Al Sheppard	N3ITT	610-847-5490
Fundraising	Erik D'Onofrio	N3YNX	675-9165
Hamwear	Bob Wilderman	K3SRO	822-7474
Holiday Dinner co-chair	Berni Lindinger	N3RJD	343-5249
Holiday Dinner co-chair	Doug Mahoney	N3RJE	343-5249
Interference	Tom Michaud	WA3TQJ	343-3494
Net Manager	George Brechmann	N3HBT	443-5656
Notary Public	Whitey Metzger	AA3FT	947-0843
Publicity	Mike Karabin	WJ3O	889-7202
RACES Liaison	Bob Phillips	KA3VKU	766-0456
Refreshments	Randy Gehman	N3LJE	822-9473
Refreshments	Doc Morein	KA3RAU	542-0593
Repeater Coordinator	Brian Taylor	N3EXA	257-6303
SKYWARN Liaison	Mike Patton	W3MJP	491-9665
Station Trustee	George Brechmann	N3HBT	443-5656
Sunshine Club	Vince Pironti	KD3TC	674-0446
Township Liaison	George Brechmann	N3HBT	443-5656
VE License Testing	Tom Michaud	WA3TQJ	343-3494
WEB Site Coordinator	Al Konschak	WI3Z	491-9941
Youth Programs Co-Chair	Steve Larson	WW3Y	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.

**APRS on 144.390**

K3DN is also operating APRS on 144.390

**Internet Connection**

For general club correspondence:  
k3dn@k3dn.org

**For Feedback articles:**

wa4ywm@comcast.net

**Visit our Home Page on the WWW:**

<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.**