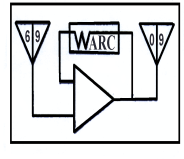




# FEEDBACK



Warminster Amateur Radio Club

Web Site <http://www.k3dn.org>

June 2003

## Next Meeting June 5th - Pizza and Home Brew

### President's Message



When I moved to Pennsylvania back in 1988 I had no idea I was joining the submarine service! I have to admit that all of these cloudy and rainy days are getting a little tiring. Lots of jobs outside around the house, including some antenna work, are not getting done. I guess that I'll just have to finish my famous hallway remodeling project and chase some DX.

Speaking of antennas, the Amateur Radio CC&R bill has been reintroduced in congress. Rep. Steve Israel has again introduced the "Amateur Radio Emergency Communications Consistency Act" into the current session of Congress. Designated HR 1478 it would require private land-use regulators such as homeowner associations to reasonably accommodate Amateur Radio antennas consistent with the PRB-1 limited federal preemption. Once again I urge you to write your Congressional representatives urging them to support this important piece of legislation. Emergencies are never planned and when severe, public communications are all too often destroyed. The depth of our resources offers an incomparable level of emergency communications ability. It is therefore important that Amateur Radio operators have the ability to erect antennas so we can be ready for any eventuality.

Our annual hamfest has come to a close and once again we had a successful year. The hamfest's proceeds provide a majority of the club's operating

- June Special Events**
- Newington, CT:** Newington Amateur Radio League, Inc, N1C. 1700Z May 31-2300Z Jun 1. Celebration of Annual NARL Hamfest. CW 28.030 21.030 14.030, phone 28.550 21.300 14.250. QSL. NARL, PO Box 31013, Newington, CT 06111.
- Baltimore, MD:** Historical Electronics Museum Amateur Radio Club, W3GR. 1400Z **Jun 6-2100Z Jun 8** The role of electronics in the 1944 D-Day invasion of Europe. 28.450 21.110 14.250 7.110. Certificate. HEMARC W3GR, PO Box 746 MS4015, Baltimore, MD 21203.
- Asheboro, NC:** Randolph ARC, NC4ZO. 1300Z-2000Z **Jun 7.** Warbird Air Show D-Day Commemoration. 28.400 21.320 14.240 7.240. Certificate. Randolph ARC, 6747 King Mtn Rd, Asheboro, NC 27205.
- Peterboro, NY:** Madison Oneida Amateur Radio Club, W2MO. 1400Z-2000Z **Jun 14.** 11th Annual Civil War Reenactment Weekend. 21.315 14.275 14.055 7.055. Certificate. MOARC, PO Box 241, Verona, NY 13478.
- Toms River, NJ:** Jersey Shore Amateur Radio Society, W2DOR. 1400Z-2000Z **Jun 14.** Dover Township (Toms River), NJ Founders Day. 28.360 21.360 14.260 7.260. QSL. JSARS, PO Box 295, Toms River, NJ 08754-0295.
- Whiteman AFB, MO:** Warrensburg Area ARC, Inc, W0W. 1600Z **Jun 14-2100Z Jun 15.** Wings Over Whiteman Air Show--100 Years of Air Domination. 28.325 21.325 14.325. Certificate. H. Keith Haye, WEØG, 1826 NW 530, Kingsville, MO 64061. <http://www.whiteman.af.mil/airshow/index.shtml>
- Salt Lake City, UT:** Great Salt Lake Council, BSA, K2BSA/7. 1800Z **Jun 18-1800Z Jun 21.** Varsity Scout Big Event at East Fork of the Bear Scout Camp. 28.325 14.250 14.035 7.130. QSL. Curt Wilbur, K7CU, 907 East 250 South, Bountiful, UT 84010.
- Arlington, TX:** Dallas County REACT ARC (W5DCR), W1AW/5. 1800Z **Jun 20-1800Z Jun 22.** W1AW/5 Special event station of the ARRL National Convention. CW 14.035 7.035; SSB 14.243 21.243. Certificate. W1AW/5 Special Event, c/o Dallas County REACT, PO Box 600215, Dallas, TX 75360-0215.
- Arlington, TX:** New Old Stock QCWA, Chapter 207, W1AW/5. 1800Z **Jun 20-1800Z Jun 22.** W1AW/5 Special event (AM station) ARRL National Convention. 14.290 AM 7.290 AM 3.880 AM. Certificate. W1AW/5 Special Event, c/o Dallas County REACT, PO Box 600215, Dallas, TX 75360-0215.
- Huntington, WV:** Tri-State ARA, W8VA. 1400Z **Jun 21-1400Z Jun 22.** From the Museum of Radio and Technology, commemorating West Virginia Day. 21.325 14.250 7.250. Certificate. Tri-State ARA--W8VA, PO Box 4120, Huntington, WV 25729.
- South Brunswick, NJ:** South Brunswick ARC, W2S. 1400Z-2400Z **Jun 25.** Celebrating the 225th Anniversary of George Washington's encampment in Monmouth Junction. 28.387 21.387 14.287 146.46. Certificate. NJ2SB, 618 Magnolia Rd, N Brunswick, NJ 08902-2622. <http://www.roadtomonmouth.com/hamradio.html>.
- Cranbury, NJ:** David Sarnoff Radio Club, W2C. 1400Z **Jun 26-0400Z Jun 27.** 225th Anniversary of Washington's encampment in Cranbury. 28.387 21.387 14.287 146.46. Certificate. R. Borchardt, 5 Cranbury Neck Rd, Cranbury, NJ 08512. <http://www.roadtomonmouth.com/hamradio.html>.
- Merrickville, ON Canada:** DX-Hounds of Ontario, VC3MCC. 2000Z **Jun 27-2000Z Jul 4.** Celebrating 100 years of Canadian Military Communications. 14.255 7.260 14.045 7.045. Certificate. Robert J. Calver, 419 Bates Rd RR#3, Jasper, ON, Canada K0G 1G0. <http://www.storm.ca/~scalver>.
- Peach Bottom, PA:** Chester County Council, Boy Scouts of America, K2BSA/3. 1800Z **Jun 29-1800Z Jul 5.** Science Camp. 14.290 7.270 3.940. QSL. Cullen Langford, PO Box 173, Kemblesville, PA 19347.

Courtesy The ARRL Newsletter

revenues for the year. All of the hard work that we put into the hamfest is never for naught. I would like to thank all of you for helping.

Don't forget that our annual test of emergency preparedness -- Field Day -- is scheduled June 28 and 29. Once again we will be at National Shrine of Our Lady of Czestochowa, 654 Ferry Road, Doylestown. If you have been wondering what Field Day is like, this will give you a chance to stop by and operate. Stu Simon K2QBU is heading

(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.*



(Continued from page 1)

up this year's effort and he will gladly take your name if you would like to sign up. My wife Marianne KA2VJO has gladly volunteered (yes, she really did volunteer) to take over kitchen duties. Take it from me, we will be eating well. Thanks to Doc W3GAD and Don N3OZO for their many years of cooking service.

And on that note I look forward to seeing you at the next meeting.

73,  
Mark Kempisty - N3GNW  
President  
Warminster Amateur Radio Club

**Minutes of Warminster ARC**  
**May 1, 3, 2003**  
**Dave, AA3UR, Secretary**

Mark, N3GNW, called the meeting to order. Dave Abner was present as a guest. The minutes were approved as published in the last *Feedback*. The Hamfest will be held this Sunday, May 4<sup>th</sup>, at the Grange Fair. Club officer nominations will be taken prior to the election. If you would like to make changes to your information that is kept by the club, let the membership chairman, Bud, K3TPM, know. You can also update this information on line at our website. Craven Hall will help in the re-enactment of the Battle of Crooked Billet. They will need radio help with a one-way road 10 AM to 5 PM Saturday, May 17<sup>th</sup> and 10 AM to 3:30 PM on Sunday, May 18<sup>th</sup>. The Constitutional Convention is scheduled for Thursday, May 8<sup>th</sup> at 7:30 PM. The club was 19<sup>th</sup> out of 33 in the Pennsylvania QSO Party results. Mark, N3GNW was first in Clinton County!

The programs for the next few meetings are:

June Homebrew and Pizza Night.  
July Red Cross and possible CPR certification.  
August Rick Lamb  
November Medical director for PA Task Force about Air Show.

The Hamfest report by Bill K3ZMA:

Mike Patton will man Front gate early. Need volunteers for vendor parking and the 50/50 raffle. Due to our efforts at non-profit status, the cooperation from the Grange, and Bill's tireless promotion, (not necessarily in that order) our fees for the Grange and Township have been reduced substantially.

Mark Hinkle, WA3QVU, reported that we now have 115 members.

George, N3HBT, updated us on the repeater. The 09 machine has had some major crashes. The 2 Meter machine is up and running with a jury-rigged Master 2 sending 45 watts to the duplexers. It has no PL except what you put in. There was a pager system getting into the receiver. The new system will be much better.

Upcoming Public service will be: May 17-18 Re-enactment of Battle of Crooked Billet need nine operators per day. 1<sup>st</sup> Thursday in June, the Five Ponds golf course 7:30-1:30 10 operators, hot meal will be served. Warminster Memorial Day Parade. See Greg, KB3HSB, who is running this as a requirement for Eagle Scout. Grange Fair on Aug. 13-17. Will have a special event station. June 13 and 14, Relay for Life sponsored by the American Cancer Society.

Doc thanked all who supported the March of Dimes Walk.

Steve, WW3Y, thanked the six who helped in the Montgomery County REACT. The air show will be held September 14<sup>th</sup> and 15<sup>th</sup>. He is looking for 25-30 operators. The Scout Camp is looking for furniture to complete a facelift of the shack. He is also looking for teachers for the Radio Merit Badge from June to August. It would be 3 days or 3 nights during one week. He will have the merit badge test on computer.

Election Results for the officers were:  
President: Mark, N3GNW  
Vice President: Tony, N3YNH  
Secretary: Dave, AA3UR  
Treasurer: Vahan, KB3DHU

There will be a RACES Skywarn Spotter program 2.5 hours long May 15<sup>th</sup> at 7:15 PM.

Stu, K2QBU reported on Field Day. Field Day is the last weekend of June 28 and 29. The tent will be put up on Wednesday and tables have been rented. Stu is looking for band captains.

The meeting was adjourned followed by refreshments, 50/50 drawing, followed by the program.

David Porter AA3UR  
Secretary

**Meeting Info – Tony Simek, VP**

July - DISASTER  
PREPAREDNESS - Ellen Hui,  
AA3AI

**Public Service**

Thursday, June 5 we will need 10 operators to staff the Warminster chamber of commerce hole-in-one golf outing at the 5 ponds golf course. A hot meal will be provided after the event.

Monday, October 13 we will need 10 operators for the Warminster parks and recreation hole-in-one golf outing at the 5 ponds golf course. A hot meal will be served after the event.

Saturday, October 18 we will need at least 15 hams to staff the Warminster Day gala at the old NADC property. If you can help out with any or all of the public service events, please contact George N3HBT at (215)-443-5656 or e mail at n3hbt@juno.com

Volunteers wanted June 13<sup>th</sup> 2003  
American Cancer Society's Relay for Life Event.

Location: Upper Moreland High

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*(Continued from page 2)*

School Track Time: 8AM- 8PM

The event directors are asking for 12 volunteer radio operators min for each shift to shadow staff during set up and during the first day activities.

Relay for life is a 24-hour team event to raise money for cancer research, education programs and services for cancer patients and their families. Teams of 10- 15 people will set up their campsite and take turns walking around the tract relay-style to raise money and demonstrate their commitment to fight cancer.

During the 24 event there will be music, entertainment, food, contests and games for everyone to enjoy.

Please contact Burt Ludin  
N3YVH (215) 441-4483 / Email  
N3YVH@K3DN.ORG

### 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 Bud Bechtel (K3TPM) or Membership co-chair Mark Hinkel (WA3QVU) for more information.

### HAMFEST NOTE

Due to the efforts of all the club members we were once again able to pull off another successful Warminster ARC Hamfest on May 4<sup>th</sup>. Even Mother Nature co-operated and allowed the blue skies to finally appear. This year there were very few snags and I personally heard many good comments from people on their way out.

I even had one fellow, not even a ham, who came in very late thinking we were running a regular flea market and did not appreciate being charged to get in at 11AM.

However, on his way out he was happy because he found the heavy-duty extension cord he was looking for, go figure!

Turnout this year was slightly stronger than last year, which considering the economy, I consider a roaring success. Our gate entries were nearly 700 with about 25% of those also being vendors.

We again received a few positive comments via email after the event, including:

"I enjoyed the hamfest great time"

"Thanks partner!!! I really enjoyed the hamfest and all those who helped set me up inside as a vendor. It is a lot of work but I hope everyone knows how much we value your efforts. A job well done!"

"Your hamfest was very well run, with everything that I brought sold. Now, to find out that I have also won a door prize, it certainly is the best hamfest I've ever attended! My best wishes to all who made this event such a wonderful success."

Enough patting on the back, I don't want you guys to get swelled heads, HI.

My personal special thanks to Mike W3MJP, Ell W3YEP and numerous other untold insomniacs for their

dedication that made the VERY early shift run so smoothly this year. At the other end of the clock, I really appreciated those who were able to stay late and help pick up cones and equipment including Randy N3LJE, Mark N3GNW and at least one tall fellow whose name I can't remember (CRS strikes again !).

The club owes a considerable thanks to both Jim Elmore WA4YWM for his computer controlled receiver project demo and Fred Rice WA3KIO for his digital modes demos. Word has it they were an enjoyable experience to both the presenters and viewers of these fine examples of Ham state-of-the-art. Hopefully we can expand on this at next year's hamfest.

Another thanks in print to the vendors who also donated door prizes. Door prizes were donated by:

Gene K2KJI from KJI Electronics at <http://www.kjielelectronics.com> for the Icom gear Grand doorprize and other prizes.

Pi, K1RV from Hamtest Online maker of online computer-based training for the U.S. amateur radio written exams at <http://www.hamtestonline.com>.

Bill Plum N1SV from Plum DX Supplies

Allen Sauder NB3Z from Sauder Electronics at <http://www.sauderelectronics.com>

N1GNV from Quicksilver Radio Products at <http://www.qsradio.com>

And last, but not least, The ARRL.

Congratulations to all the club members who participated in working together to bring off another fun Hamfest in 2003. Thanks to you all, Bill Strunk K3ZMA

*(Continued on page 4)*

(Continued from page 3)

### **CREEK CLEAN-UP THANKS**

The following is the text of a letter of thanks received from the Pennypack Ecological Restoration Trust.

Dear Friends,

I want to thank you those of you who came and supported our Creek CleanUp Day on April 5. As a non-profit organization, it is nice having a community-minded group such as yours to depend on when we hold an event such as the creek clean-up. Even though there were no unusual occurrences that day, we just feel comfortable having you here with your radios in case of an emergency.

In spite of the threatening weather, we had 150 volunteers come clean the creek this year. We had fewer volunteers than last year, but there was less trash as well, which worked out fine. We still had enough trash to fill two 20-yard dumpsters with trash, not including 63 tires that get disposed of separately. Among the more interesting items found this year were a whole couch sitting on a bank of the creek, a pole with an old electrical box, and a buried engine block.

Again, thank you for your support.

Sincerely,

David J. Robinson, Ph.D.  
Executive Director

### **EDITOR'S NOTE**

**The following article is a reprint from the February issue of Feedback that I am printing again because several club members have expressed an interest in pursuing some experimentation in this area in HSMM. Please read this again. If you are interested in joining a group of HSMM experimenters, please get in touch with me or Doug Crompton, WA3DSP. I think this could be a very**

**exciting undertaking in applying 802.11b Wireless Fidelity (WiFi) equipment to the 2400 MHz ham band.**

### **HIGH SPEED MULTIMEDIA HAMMING COULD BE THE NEXT BIG THING**

High-speed multimedia hamming via the "Hinternet" could be the next big thing for Amateur Radio. That's the hope of the ARRL High Speed Multimedia (HSMM) Working Group, which is adapting the highly popular IEEE 802.11b Part 15 wireless Internet protocol to Part 97 amateur operating.

"We expect it to be nothing less than revolutionary!" says John Champa, K8OCL, who chairs the ARRL HSMM Working Group--a subset of the League's Technology Task Force. The Working Group's new "High-Speed Digital Networks and Multimedia" page <<http://www.arrl.org/hsmm/>> recently premiered on the ARRL Web site.

Champa's team is calling the specific techniques, software and hardware involved "the ARRL 802.11b protocol" to distinguish it from the unlicensed, commercial protocol. Systems employ direct-sequence spread spectrum techniques and operate in the 2.4 GHz range. The term "Hinternet" (ham + Internet), Champa says, is a user-friendly way to refer to the development of high-speed Radio Local Area Networks (RLANs) capable of simultaneously carrying audio, video and data signals.

"The development of the ARRL 802.11b protocol will significantly enhance Amateur Radio, especially with respect to emergency communication and support of public service activities," Champa predicted. He and his HSMM Working Group colleagues also expect that it will attract many technically oriented users of the Internet and wireless LANs to get their amateur tickets.

In addition to emergency communication, Hinternet applications could include two-way streaming video, full-duplex streaming audio, Voice over Internet Protocol (VoIP) applications such as eQSO, EchoLink, iLink and IRLP, and digital voice. As on the wired Internet, communication can be point-to-point, point-to-multipoint and multicast at high bandwidth.

"An emergency volunteer equipped with a laptop or a wireless PDA (personal digital assistant) with a microphone and a small video camera now has the tools to be a mobile set of eyes and ears in the midst of a communications emergency," says Working Group member Kris Mraz, N5KM.

In Michigan, the Livingston County HSMM Experimenters Team already has three HSMM access points--called "APs" in the commercial world--and about a dozen stations on the air centered on 2437 MHz. Another group of Amateur Radio 802.11b enthusiasts has recently organized in the San Antonio, Texas, area.

Although other amateur allocations also would be appropriate for Hinternet operation, the use of 2.4 GHz was an easy choice, since Part 15 WiFi (wireless fidelity) devices already operate in that part of the spectrum, and inexpensive commercial equipment is widely available. Acting on an ARRL petition, the FCC has proposed

### **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)

elevating amateurs to primary at 2400 to 2402 MHz.

The ARRL publications catalog now includes the book 802.11 Wireless Networks: The Definitive Guide <<http://www.arrl.org/catalog/?category=&words=802.11>> by Matthew S. Gast. The book covers the topics of creating and administering wireless networks.

Champa says that taken in a nationwide context, the meaning of the term Hinternet goes deeper than just an amalgamation of words. "In nautical terms the word hinterland is 'the land beyond the coast,'" he said. "And so it is with us. 'The Hinternet' is the radio net beyond the Internet."

Courtesy The ARRL Newsletter

**SOLAR UPDATE**

Heliophile Carl Luetzelschwab, K9LA, Fort Wayne, Indiana, substitutes this week for Tad Cook, K7RA: During the reporting period-- Friday, May 16, through Thursday, May 22--solar activity was low. Geomagnetic field activity was generally quiet to unsettled during the first half of the period, then increased to active to minor storm at the end of the period due to increased solar wind from coronal hole activity that reached Earth on May 21.

Solar activity is forecast to be low for the next three days. Geomagnetic field activity for the next three days is forecast to have roughly a 40-percent probability of being active,

with slightly quieter conditions as we move into the weekend.

Sunspot numbers for May 15 through 21 were 97, 97, 81, 79, 75, 77 and 79, with a mean of 83.6. The 10.7-cm flux was 99.2, 102.6, 102.4, 109, 114.7, 117.1 and 119.3, with a mean of 109.2. Estimated planetary A indices were 23, 9, 9, 10, 12, 12 and 20, with a mean of 13.6.

Courtesy The ARRL Newsletter

**Distracted driver legislation raising ham hackles in New Jersey**

An effort by some New Jersey lawmakers to amend that state's current laws regarding distracted driving has some hams upset and worried that the revisions could affect Amateur Radio mobile operation. Assembly Bill 2798, introduced last September by Assemblyman John S. Wisniewski of Middlesex County, would clarify that a "distracted driver may be charged with reckless, careless or unsafe driving" for engaging in what many motorists would consider routine activities, such as listening to the radio or a CD or cassette player. Wisniewski's bill would amend three laws already on the books and give police the authority "when so warranted" to charge a person for engaging in "distracting behavior." The list includes, but is not limited to, "the use of communications technology" as well as "locator devices, AM/FM radios, compact disc players, audio cassette players, video players, Citizens Band radios and dispatch radios." The

list also includes engaging in personal grooming, eating or drinking, reading or "tending to unsecured pets." A statement with the bill declares that "a substantial number of drivers in our fast-paced, multi-tasking society are utilizing communications technology and engaging in non-technological distractions while operating motor vehicles." The statement says that "various studies" have concluded that engaging in these activities while driving "contributes to motor vehicle accidents." ARRL Hudson Division Director Frank Fallon, N2FF, whose territory includes Northern New Jersey, calls the measure "a very bad idea." Fallon says he's been encouraging ARRL members to write, telephone, fax or personally contact their New Jersey Assembly members to let them know how they feel. "The bottom line is that New Jersey ARRL members have to get involved," Fallon said. Contact information for New Jersey lawmakers is available on the New Jersey Legislature Web site <<http://www.njleg.state.nj.us/members/legsearch.asp>>.

Courtesy The ARRL Newsletter

➤ **CLUB EQUIPMENT**

WARC members can borrow club equipment- see the club Vice-President, who is responsible for keeping track of club property. In addition to the normal HAM JUNQUE, we have two ICOM HT's with accessories (one for 2 meters; one for 440mhz) and an ICOM 2 meter all-mode available. WARC policy is to make club equipment available on a three (3) month loan policy to club members. As custodian of club property, you will have to sign a form acknowledging your financial responsibility to WARC in the event the loaned equipment is lost or damaged. DE, Mark Kempisty, N3GNW

**2003 Contest Calendar**

<b>Month</b>	<b>Contest</b>
<b>June</b>	14 - 16 ARRL June VHF QSO Party 28 - 29 ARRL Field Day
<b>July</b>	12 - 13 IARU HF World Championships
<b>August</b>	2 - 3 ARRL UHF Contest 16 - 17 ARRL 10 GHz and Up Contest
<b>September</b>	13 - 15 ARRL September VHF QSO Party 20 - 21 ARRL 10 GHz and Up Contest



## ATLANTIC DIVISION HAMFESTS - 2003

➤ + *indicates ARRL Hamfest*

- 15 Jun 2003 + Frederick ARC Frederick, MD  
<http://www.qsl.net/k3erm>
- 4 Jul 2003 + Harrisburg Radio Amateurs Club Harrisburg (Bressler), PA  
<http://hrac.tripod.com>
- 6 Jul 2003 + Murgas ARC Wilkes-Barre (Dallas), PA  
<http://www.qsl.net/k3ytl>
- 13 Jul 2003 + Mid-Atlantic ARC Kimberton, PA  
<http://www.marc-radio.org/hamfest.html>

### CONVENTIONS and CONFERENCES

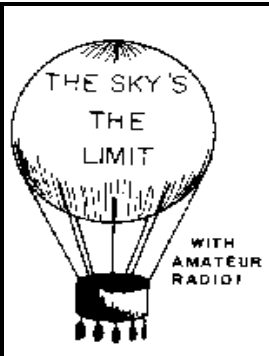
- 14 Jun 2003 \* Eastern Pennsylvania Section Convention  
Columbia-Montour ARC Bloomsburg, PA  
<http://www.qsl.net/cm-arc>

*73' de Bernie Fuller N3EFN, Director Atlantic Division ARRL*

## 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 2003 test fee is **\$12.00**.

- ◆ **Warminster Amateur Radio Club**, Monthly, Last Wed. 7:00 pm - Tom Michaud, WA3TQJ, 215-343-3494.
- ◆ **Bellmawr, NJ**, Monthly, 3rd Thursday - Bill Helmatag - 609-546-7710.
- ◆ **Levittown, PA**, Monthly, 1st Saturday - George LeNoir, WR3B, 215-943-4886.
- ◆ **Telford, PA**, Monthly, 3rd Monday - Joe Burgess, W3PNL, 215-723-6697.
- ◆ **Philadelphia, PA**, NE Philadelphia, Pa. Monthly; 1st Thursday - 6:00pm. Philmont Mobile Radio Club at Space Research Center (SPARC) Northeast High School Cottman and Glendale Aves. (Enter the SPARC wing from Glendale Av., opposite Teesdale St.) - Dusty Rhoads, ND3Q, 215-482-0386 Or 215-879-0505. No exam in July or August.



### 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.

We'll help you learn the theory and practices that make for a most enjoyable hobby. There's no telling just how far you'll go unless you make the first move and give yourself a chance to explore the world.

At The Benjamin Wilson Senior Center  
580 Delmont Avenue, Warminster, PA

For information Email [altemus@drs-fsc-comm.com](mailto:altemus@drs-fsc-comm.com) or  
call: 215-855-3856, 6 to 10 pm Ask for George

### Goddard ARC

#### Shuttle Rebroadcast Frequencies

Frequency	Mode	Band
3,860 kHz	(LSB)	80 meters
7,185 kHz	(LSB)	40 meters
14,295 kHz	(USB)	20 meters
21,395 kHz	(USB)	15 meters
28,650 kHz	(USB)	10 meters
147.45 MHz	(FM Simplex)	2 meters

### Metro-Link repeater network

29.62	Chester, PA
147.135	Buckshootum, NJ
147.315	Chester, PA
223.96	Millville, NJ
223.98	Ocean city, NJ
224.68	Eagleville, PA
224.96	Chester, PA
443.00	Linwood, PA
443.05	Chester, PA

## Area Repeaters

VHF	
145.310	R.F. Hill
145.350	Doylestown R.C.
145.250	Penn Wireless
146.685	Holmesburg
146.925	Willingboro
147.000	Ham Buergers
147.030	Phil-Mont
147.090	Warminster
147.165	Delmont R.C.
147.270	Frankford
147.300	BEARS
147.390	CBRA
145.330	Hilltown
224.580	PackRats
UHF	
443.250	TAG
443.050	Metro-Comm
443.950	Warminster
444.200	BEARS
449.325	KA3W XV
447.475	WR3B
447.625	WE3E
448.225	Penn Wireless
6 Mtr	
53.030	WA3BXW
53.230	N3DQZ
53.370	K3MFI
1296	
1294.000	K3PHL (-20 MHz split)
1295.000	K3PHL (-20 MHz split)

## 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
Thursday	2000	Bucks Cnty RACES Net	145.35 Rptr.
Thursday	1900	Mont. Cnty RACES Net	146.235 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@comcat.com**
- 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: \$ 8.00**  
**12th grade or under: \$ 5.00**

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

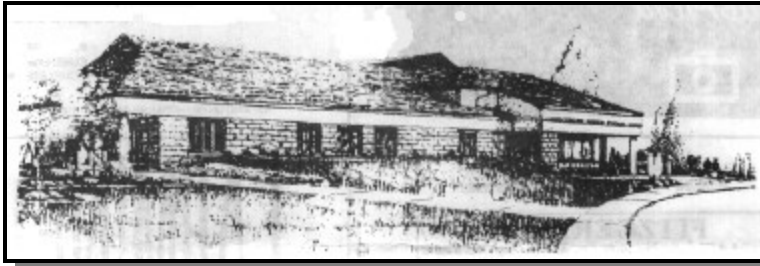
**2003 Officers**

Executive Officers

President	Mark Kempisty	N3GNW	953-1493
Vice-President	Tony Simek	N3YNH	674-5218
Secretary	Dave Porter	AA3UR	579-0597
Treasurer	Vahan Shahinian	KB3DHU	442-1243
Director (E)	Burt Ludin	N3YVH	441-4483
Director (E)	George Brechmann	N3HBT	443-5656
Director (A)	Al Konschak	WI3Z	491-9941
Director (A)	Hugh Hart	N3SOQ	773-8451
Past President	Rocky Pistilli	N3FKR	572-5330

Committee Chairpersons

Feedback Editor	Jim Elmore	WA4YWM	538-1889
Membership co-Chair	Bud Bechtel	K3TPM	659-9093
Membership co-Chair	Mark Hinkel	WA3QVU	6594449
Field Day '03	Doc Whitticar	W3GAD	968-0641
Field Day '03 co-chair	Stu Simon	K2QBU	345-9295
Grange Fair '03	Doug Crompton	WA3DSP	431-6307
Hamfest '03	Bill Strunk	K3ZMA	822-0749
January '03 VHF Contest	Joe Bagnick	N3EMA	997-2539
PA QSO Party '03	Jack Jones	W3NTD	
Picnic '03	Mark Kempisty	N3GNW	953-1493
Adopt-A-Highway	Hugh Hart	N3SOQ	773-8451
Archives	Frank O'Neill	N3UQP	699-9549
Alumni Coordinator	Randy Gehman	N3LJE	822-9473
ARRL Liaison	Kristina Pistilli	KB3ECW	572-5330
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
HF co-chair	Dennis Shegda	N3KRE	657-7283
Satellite co-chair	Joe Bagnick	N3EMA	997-2539
VHF/UHF/MW co-chair	Al Sheppard	N3ITT	610-847-5490
Emergency Coordinator	Stu Simon	K2QBU	345-9295
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	Alan Ash	KA3YCG	357-9286
RACES Liaison	Bob Phillips	KA3VKU	766-0456
Refreshments	Randy Gehman	N3LJE	822-9473
Refreshments	Doc Morein	KA3RAU	
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	Al Folsom	KY3T	343-8851
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@comcat.com

**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.**