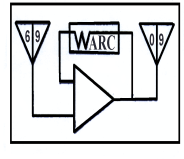




FEEDBACK



Warminster Amateur Radio Club

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

March 2004

Next Meeting March 4th - Antique Radio Show and Tell

President's Message



Now that was a great club auction last month. First let me thank those who donated all of the various items to WARC for the auction as well as all those who bid on them. The proceeds of the auction are greatly appreciated by WARC and its membership and will be put to good use as always. I would also like to personally thank our auction team (including our auctioneer Tom Michaud WA3TQJ) for the time they spent in getting the items organized, auctioned and the money collected. The club's calendar is already starting to fill in with requests for communications support at various public events. As the various dates are presented at our monthly meetings, on the web page (www.k3dn.org) or here in Feedback, please take a look at your calendar and see if you are available to assist. The organizers of the events greatly appreciate the service we provide. When all else fails, time and again amateur radio has proven to be the first link in establishing urgently needed communications.

It is also nice to see that our weather is starting to give us a break. A co-worker and I have finally been able to get out jogging at lunch time again. With the heavy weather we have had I suspect many of us are going to need to do some antenna work. (I've been wanting to get a six meter antenna up.) Do be careful if you do. As with any antenna work do not rush to try to get it done. Take your time, plan it out and check for any residual frost or ice around where you plan to work, particularly if it is an elevated location. Once again, I hope to see you all at the May meeting.

Mark Kempisty - N3GNW
President

March 2004

Various, England: Royal Signals Amateur Radio Society, GB6OT. 0700Z **Mar 5-2359Z Apr 1** 60th Anniversary of Op Thursday Burma 1944. 21.070 21.056 14.070 14.056. QSL. Mike Humphrey, G0SWY/KF4OFR, 4 Bluebell Rd, Bassett Southampton, Hampshire, England SO16 3LQ. <http://www.rsars.org.uk/>. Amateurs outside the UK, please send 1€dollar or \$1 US to cover postage.

Chesapeake, VA: Chesapeake Amateur Radio Service, W4CAR. 1500Z-2100Z **Mar 6** 142nd Anniversary, *Monitor-Merrimac* Battle of the Ironclads. 28.362 21.362 7.262 146.82. Certificate. W4CAR, PO Box 6867, Chesapeake, VA 23323. <http://www.qsl.net/cars>.

Naples, FL: Amateur Radio Association of Southwest Florida, K4YHB. 1400Z **Mar 6-2000Z Mar 7** Annual Spring Swamp Buggy Races. 12 m 17 m. Certificate. Mark Kennedy, K4SWF, 1241 12th St N, Naples, FL 34102. <http://www.araswf.org/>.

New Port Richey, FL: Gulf Coast Amateur Radio Club, K4C. 1200Z **Mar 18-2000Z Mar 28** The 82nd Annual Chasco Fiesta. 28.360 21.250 14.250 7.245. Certificate. GCARC-Chasco, PO Box 595, New Port Richey, FL 34656-0595.

Princeton, NJ: Mercer County ARES/Central NJ American Red Cross, N2ARC. 2300Z **Mar 19-2300Z Mar 21**. March is Red Cross Month, celebrating ARES/ARC partnership. 28.445 14.255 7.240 3.952 2 m 220 MHz APRS. Certificate. Gerry Jurrens, N2GJ, POB 147, Kingston, NJ 08528. users.tellurian.com/gjurrens/n2arc_special_event.htm

Macon, GA: Macon Amateur Radio Club, W4BKM. 1500Z-2200Z **Mar 20** 22nd Annual Cherry Blossom Festival. 14.240 21.335 7.055 14.055. Certificate. Macon ARC, PO Box 4862, Macon, GA 31208.

Brampton, ON, Canada: Peel/Mississauga Amateur Radio Clubs, VE3XR. 1300Z-1700Z **Mar 20**. HAM-EX Annual Hamfest. 14.240 7.240. QSL. Michael Brickell, 2801 Bucklepost Cres, Mississauga, ON, Canada L5N 1X6.

Virginia Beach, VA and Moss, Norway: Virginia Beach Amateur Radio Club, Inc and Mossegruppen av NRRL, W4UG and LA5M. 1300Z **Mar 20-2200Z Mar 21** 113th anniversary of the Norwegian Lady. 14.278 14.040 7.280 7.040. Certificate. VBARC, PO Box 62003, Virginia Beach, VA 23462.

Wellsboro, PA: Nessmuk Amateur Radio Association, W3BGK. 1500Z **Mar 24-2100Z Mar 28** 200th anniversary of Tioga County. 14.240 7.240. Certificate. Nessmuk ARA W3BGK, PO Box 101, Wellsboro, PA 16901. For more information contact jantonio@epix.net.

Ebensburg, PA: Conemaugh Valley Amateur Radio Club, W3C. 1300Z **Mar 26-0300Z Mar 27**. Cambria County Bicentennial. 21.300 14.250 7.230 3.985. QSL. David Knepper, PO Box 34, Sidman, PA 15955. <http://www.cambriacobicentennial.com/>.

Timonium, MD: Baltimore Amateur Radio Club, W3FT. 1300Z **Mar 26-2000Z Mar 27**. Celebrating the Greater Baltimore Hamboree and Computerfest. 14.265 7.265. Certificate. W3FT C/O GBH&C, PO Box 95, Timonium, MD 21094.

Courtesy The ARRL Newsletter

Minutes of Warminster ARC February 5, 2004 Dave, AA3UR, Secretary

Mark, N3GNW, called the meeting to order. The minutes, as published in *Feedback* were approved with one abstention. The club participates in two contests each year and the January VHF contest is one of them. Please send in your logs to the ARRL. If you are looking for a logging program to facilitate this Mark recommends the

(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)

N1MM program [available at <http://pages.ctime.net/n1mm/>]. The annual WARC Hamfest is coming up we need everyone's participation. Tonight's program will be the Auction to benefit the club.

Vice President: Tony, N3YNH listed some of the future meeting programs.
Tonight Annual Auction
March Old Time Radios
June Homebrew night with pizza and a twist

Dave, AA3UR, had nothing to report from the Secretary.

Bud, K3TPM, reported that we have 118 active members and many membership cards and badges that have not been picked up.

Vahan, KB3DHU, gave the treasurer's report.

Bill, K3ZMA, mentioned that the Hamfest will be prior to our May meeting on May 2, 2004. Please don't forget about it. Many interesting displays will be there.

George, N3HBT, listed no public service commitments. Burt, N3YVH, mentioned that the Shrine of Czestochowa was very happy with our help last year and is looking forward to our participation this year. More details will be available later.

George, KA3WXV, reported that the Extra classes are on Monday evenings and he is looking for new people to lead a twelve-week no-code Technician class.

The meeting was adjourned, followed by the 50/50 drawings and the Annual Auction

David Porter AA3UR
Secretary

MEETING INFO - TONY SIMEK, VP

March - Earnest Shardlow
Antique Radio - Show and Tell
June - Homebrew Night & Pizza Social

PUBLIC SERVICE

The March of Dimes walks will be held on April 25th. Operators will be needed for the Central Bucks Walk (see Doc, W3GAD) and for the Ambler Walk (see Steve, WW3Y).

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 Hin kel (WA3QVU) for more information.

FOR SALE

PACKAGE DEAL

(1) Elecraft K2 in mint condition with all manuals, KSB2, K160RX, KNB2, KAF2, KAT2, KBT2 options installed; revision 2 firmware, second stage XFIL mod done, grounding of XTALS X7-X11 mod done; wired for ICOM HM -36 mic (NOT INCLUDED). Also included is the famous PW-1

vertical made by Vern (never used), PALM mini paddles, custom made dust cover, OAK HILLS WM-2 QRP wattmeter with manual (mint), aluminum attaché case with foam inserts for above gear. All of the above are like new! The K2 was professionally built.

ASKING FOR THE PACKAGE: \$1,025

(2) Mint ICOM R-7000A wide band receiver, unblocked, covers 28 Mhz to 2.0 Ghz, with original factory carton and manual, custom made vinyl dust cover. Radio stored in environmentally controlled environment since purchased new from AES, used briefly recently. Collector quality, no better unit available out there.

ASKING: \$800 firm

Contact: Bob Wilderman, K3SRO
e-mail: dlrwild1@comcast.net
phone: (215) 822-7474

CLASSES

Extra classes will be offered by WARC at the Ben Wilson senior center starting Monday, January 12, 2004 from 7:30 pm until 9:00 PM. The classes are free and study guides will be available for purchase at the site. The instructor, Tom KA3FQS will be running the classes through March.

NoCode Tech classes start March 8th through May 24th Monday nights 7:30 to 9:00PM

Both are at the Senior Center.

NEW CONTEST

Hello!

On May 8 and 9, 2004, the first Mid-Atlantic QSO Party will be held.

Our goal is to have a friendly operating atmosphere like many of us experience in the Pennsylvania QSO Party, only on a regional level. We're trying to get the word out to all the clubs in the states involved, and I've been working to forward along information to clubs in Pennsylvania.

(Continued on page 3)

(Continued from page 2)

We have a website at www.qsl.net/maqso/ where more information is available, including downloadable versions of the rules package.

Thanks,

Allen Huber, WG3E

BPL ON PP&L (INFO FROM ERIC OLENA)

The following information was contained in a story by Kathy Lauer-Williams of the Allentown "Morning Call" on Thursday January 28, 2004.

In other business, the board voted to allow PPL Electric Utilities to offer broadband Internet service to the township.

Alan Rickenbacher of PPL said the company had started offering broadband on a trial basis along Jacksonville Road Oct. 14.

He said the trial went "exceptionally well" and that the company got "response beyond our expectations."

He said PPL sent 2,000 letters and more than 200 people have signed up.

"We want to expand and make the service available to all township residents," he said.

The board discussed charging PPL a franchise fee for using the township right of way to install equipment.

Mel Jiganti of PPL said the company didn't pay franchise fees anywhere else and called the idea "very discouraging."

There are still a lot of municipal and other officials who are not aware of the dangers of BPL to radio frequencies. Do your part to help keep your local officials up to date on this vital issue.

To All,
This message is a supplement to the message sent out Saturday (see above)

regarding the BPL use in Northampton County as reported by the Allentown Morning Call on January 28, 2004. My apology for sending out the hastily contrived message, which lacked needed detail. The Township involved is Hanover Township, Northampton County.

The action that I feel we should follow is to make sure that municipal officials (Township, Borough or City) are aware that Broadband over Power Line Internet access (BPL) is not the miracle cure that it is being advertised to be. There is quite a bit of technical information supplied by ARRL at www.arrl.org/bpl, which you can use to demonstrate to the municipal officials the problems that exist with BPL.

I recommend that you write a letter to each of your local municipal governing authorities. In that letter you should say that, yes, you as an Amateur Radio Operator do have a vested personal interest in keeping interference out of radio frequencies. However, Amateur radio is the emergency back-up communications system local, county, state and national emergency communications. In addition many countywide dispatch systems use radio frequencies that fall within the 1.7 to 80 Mhz range that are in immediate jeopardy of interference from BPL. This interference to public service communications frequencies could very easily result in needless injury or worse.

In addition to municipal governing officials I also recommend sending either a letter or e-mail to your County 9-1-1 Coordinator urging them to have their professional organization the Association of Public-Safety Communications Officials (APCO) to take a stand against BPL. Likewise the county EMA Director/Coordinator should be urged to have the Pennsylvania Emergency Management Agency (PEMA) follow in the footsteps

of the Federal Emergency Management Agency (FEMA) in opposing BPL.

It is my opinion that local municipal officials are hearing a well presented case of the advantages of BPL but not of its pitfalls.

In the case of Hanover Township Northampton County this appears NOT to be the case. The District Emergency Coordinator (DEC), AK3M, and K3TD, tried to convince the Hanover Township Officials of the folly of BPL with no apparent success. Would the results have been any different if more individuals had assisted in the effort? I don't know and really can't answer that question. I do know that through the ARRL each of you has at your disposal an enormous amount of knowledge and ability from both ARRL Hq. and fellow Hams. Should you find yourself in a situation that you feel you need some assistance, please don't hesitate to ask. This e-mail compared to the e-mail that I sent out yesterday is an example of the use of good assistance from others.

A special Thank You to W3XE and NL7XM.

73,
Eric, WB3FPL

ARRL Eastern Pennsylvania Section
Section Manager: Eric D. Olena,
WB3FPL
wb3fpl@arrl.org

NEW JERSEY AMATEURS PROMOTE HAM RADIO TO YOUNGSTERS

Amateurs in the Trenton, New Jersey, area were out in force over the January 10-11 weekend to promote Amateur Radio at the New Jersey State Museum's "Super Science Weekend." It marked the first time ham radio was included in the annual event, which attracts nearly 10,000

(Continued on page 4)

(Continued from page 3)

children and parents. Super Science Weekend this year included a large Amateur Radio display and working HF and VHF stations.

"Many of the children liked learning to send their names in Morse code using a straight key and code practice oscillator," said ARRL PIO Gary Wilson, K2GW, who coordinated the event.

Visitors saw the ARRL's Amateur Radio Today video, which explains Amateur Radio's role in emergencies. They also could get literature on how to get started in Amateur Radio, including information on licensing classes. Contacts were made on SSB and PSK31 using the Delaware Valley Radio Association's W2ZQ.

Taking advantage of record cold temperatures, the ingenious hams used gallon jugs filled with water and frozen to the pavement to provide antenna support guy wire anchors.

Led by the Delaware Valley Radio Association, hams from the Warminster Amateur Radio Club and the David Sarnoff Radio Club also pitched in to provide 15 hours of continuous coverage over the two-day event. The amateurs now hope ham radio will become a regular feature of the Super Science Weekend.

"Only by introducing kids to Amateur Radio can we assure a solid future for our hobby and our ability to serve the nation," Wilson concluded.

Courtesy The ARRL Newsletter

SOLAR UPDATE

Solar sage Tad "I Live for the Sun" Cook, K7RA, Seattle, Washington, reports: Average daily sunspot numbers were down a little from a week earlier, as were the daily solar flux numbers. Average daily planetary A index was slightly higher. Geomagnetic indices settled down February 16-19 to yield

some nice HF conditions. There weren't many sunspots, so the MUF wasn't as high as it was, say, several years ago, but the quiet conditions are a welcome respite from the stormy geomagnetic conditions of late.

The quiet conditions should continue though this weekend--good news for those participating in the ARRL International DX Contest (CW). Predicted planetary A index for Friday through Monday, February 20-23, is 10, 10, 12 and 12. Solar flux is expected to stay below 100 until around Leap Year Day, February 29.

Sunspot numbers for February 12 through 18 were 65, 71, 64, 75, 81, 22 and 23, with a mean of 57.3. The 10.7 cm flux was 112.2, 107.8, 103.7, 102.1, 98.7, 101.9 and 97.7, with a mean of 103.4. Estimated planetary A indices were 28, 21, 18, 18, 7, 5 and 8, with a mean of 15.

Courtesy The ARRL Newsletter

AO-40 COMMAND TEAM PLAYS WAITING GAME

Ground controllers for the now-dark AO-40 satellite are waiting for something to break aboard the spacecraft. Specifically, they want one of the cells of the main battery bank to open up and "unshort" the power bus.

That open circuit then could mean the command team would be able use the auxiliary batteries--now tied in parallel with the main battery bank--to restart the satellite. The command team hypothesizes that a failure within the main battery is clamping the bus voltage low. In the hope that a receiver still is operating despite the low voltage, the command team continues to signal AO-40 to turn off its main batteries and turn on the auxiliary batteries and the 2.4 GHz "S2" downlink transmitter.

"If we have approximately 10 V on the main bus, then these commands should be making it through," said ground controller Stacey Mills, W4SM, "but the S2 transmitter was

not designed to run below 20 V and is not coming on."

AO-40 has been silent since January 27 (UTC), in the wake of a precipitous voltage drop. The satellite's controllers believe that one or more shorted battery cells are at the root of the problem.

Mills said the AO-40 command team assumes the bus voltage aboard AO-40 is lower than 12 V, and that the onboard IHU-1 ("internal housekeeping unit") computer, the command receivers or the battery changeover relay have insufficient power to operate.

There's some conjecture that the current problem may be related to the near-catastrophic incident that occurred onboard AO-40 in December 2000 less than a month after its launch during testing of the 400-newton propulsion system. Following that incident, the AO-40 command team was able to restore some of the satellite's functionality.

Updates on the AO-40 situation are being posted on the AMSAT-DL Web site <<http://www.amsat-dl.org/journal/adlj-p3d.htm#NEWS>>. There's additional information on AO-40 on the AMSAT-NA Web site <<http://www.amsat.org>>.

Courtesy The ARRL Newsletter

President Bush thanks ham radio volunteer

Shortly after stepping off Air

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)

Force One February 5 during a visit to South Carolina, President George W. Bush took a few moments to express his appreciation to ARRL member and Charleston County ARES Emergency Coordinator Charlie Hall, K4AOT. "For all Charlie has done for ham radio and the community, he certainly deserves to be put in the spotlight," said his friend Alex Krist, KR1ST. A member of the Charleston Amateur Radio Society and a retired US Army sergeant, Hall, 64, volunteers with a newly formed Community Emergency Response Team (CERT) <<http://www.citizencorps.gov/programs/cert.shtm>>, a Citizen Corps <<http://www.citizencorps.gov/>> program. The president shook Hall's hand and thanked him for his efforts on behalf of the community. ARRL is a Citizen Corps affiliate, and in a growing number of localities, Amateur Radio emergency response

activities are being incorporated into CERTs. Hall, who also volunteers with the American Red Cross and a SKYWARN team, was tapped as Charleston County's "official greeter" for the presidential visit mainly because of his Citizen Corp/CERT activity.-- some information from Alex Krist, KR1ST, and Jim Boehner, N2ZZ

Courtesy The ARRL Newsletter

Hong Kong, Denmark dropping Morse requirement

Hong Kong and Denmark have become the latest countries to announce they will drop the requirement for Amateur Radio applicants to pass a Morse code examination for access to frequencies below 30 MHz. In conjunction with its announcement, Hong Kong will cancel all existing amateur station license classes (and/or authority to operate), replacing them with a new

authorization that does not carry a license class, the Office of the Telecommunications Authority (OFTA) announced February 11. OFTA also opened the 430 to 440 MHz band for portable and mobile operation and allocated 10.45 to 10.5 GHz to the Amateur Service. OFTA said only that the changes would "come into effect soon." The Danish Information Technology and Telecom Agency, meanwhile, has announced the elimination of the Morse code examination for access to Amateur Radio HF bands, effective February 1.

Courtesy The ARRL Newsletter

Three ARRL awards discontinued

Effective immediately, the ARRL Awards Branch has discontinued the Rag Chewer's Club, the Old Timer's Club and the Friendship Award. ARRL Membership Services Manager Wayne Mills, N7NG, says that the number of amateurs applying for awards in general has declined significantly over the years, and interest in these three awards had slowed to a trickle. DXCC and WAS remain among the most popular ARRL Awards, he said, but the eliminated awards "had outlived their interest level." For more information on ARRL awards, visit The ARRL Awards Program page <<http://www.arrl.org/awards/>>.

Courtesy The ARRL Newsletter

SKYWARN INFORMATION

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

(see Frequency List for a local VHF or UHF repeater)

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

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

SKYWARN URL: <http://www.wx2phi-skywarn.org>

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

2004 Contest Calendar

Month	Contest
March	6 - 7 ARRL International DX Contest(Phone)
June	12 - 14 ARRL June VHF QSO Party
	26 - 27 ARRL Field Day
July	10 - 11 IARU HF World Championships
August	7 - 8 ARRL UHF Contest
	21 - 22 ARRL 10 GHz and Up Contest



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

ATLANTIC DIVISION HAMFESTS - 2004

➤ + *indicates ARRL Hamfest*

- 10 Apr 2004 + Eastern Shore Hamfest & Computer Show
Easton ARS Easton, MD <http://www.k3emd.com>
- 2 May 2004 + Warminster ARC Wrightstown (Bucks County), PA
- 20 Jun 2004 + East Coast Long Wire Association
<http://www.qsl.net/eclwa> North Wildwood, NJ
- 3 Jul 2004 + Murgas ARC Wilkes-Barre, PA
<http://www.qsl.net/k3ytl>
- 11 Jul 2004 + Mid-Atlantic ARC Kimberton, PA
<http://www.marc-radio.org/hamfest.html>

CONVENTIONS and CONFERENCES

- 27-28 Mar 2004 * Maryland State Convention
Baltimore ARC Timonium, MD <http://www.gbhc.org>

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.

No-Code Tech Classes, March 8 - May 24, 2004 7:30 PM - 9:00

Extra Class, January 12 - March 22, 2004 7:30 PM - 9:00

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

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

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
- 147.165 Delmont R.C.
- 147.270 Frankford
- 147.300 BEARS
- 147.390 CBRA

220

- 224.580 PackRats

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

1296

- 1294.000 K3PHL (-20 MHz split)
- 1295.000 K3PHL (-20 MHz split)

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 Bucksshootum, 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

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@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: \$ 8.00
12th grade or under: \$ 5.00

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

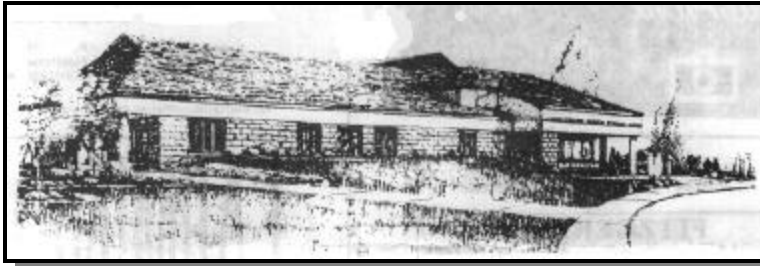
2004 Officers

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 '04	Doc Whitticar	W3GAD	968-0641
Field Day '04 co-chair	Stu Simon	K2QBU	345-9295
Grange Fair '04	Doug Crompton	WA3DSP	431-6307
Hamfest '04	Bill Strunk	K3ZMA	822-0749
January '04 VHF Contest	Joe Bagnick	N3EMA	997-2539
PA QSO Party '04	Jack Jones	W3NTD	
Picnic '04	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@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.**