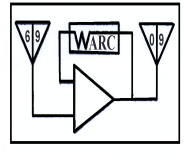




# FEEDBACK



Warminster Amateur Radio Club

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

January 2004

## Next Meeting January 8th - Antenna Clinic

### President's Message



I hope that everyone that went to our annual Holiday Dinner had a great time. As always it was a delightful evening with plenty of good comradarie amongst those attending. I would like to thank all who helped put this event together for the membership.

Warminster Amateur Radio Club, Inc. is a very fortunate organization to have the body of members that it has. It is also fortunate in that it has a large portion of its membership that takes an active part in running the organization for the benefit of all. But, there is always room for more. I believe in the saying that the sum of the parts is greater than the whole. With more members helping out and taking responsibility for club activities, functions and events WARC will grow stronger and more vibrant. And a vibrant organization will attract others to join our ranks (and amateur radio in general) which will help the cycle continue. Don't be shy, the Board will not bite you though you may have to lend a hand folding Feedback. To help out in some aspect of the club all you have to do is see one of the Board members. Any one of us would be happy to work with you to find an area that would be of special interest to you. Since the first Thursday in January is also New Years Day it is safe to say the meeting that night will not be too well attended. Therefore it has been pushed back a week to January 8th the second Thursday of the month. It will start at the usual time of 7:30 PM at the Senior Center.

Also it is time to start going through your treasure collection for WARC's

\*\*\*\*\* ATTENTION \*\*\*\*\*

### NOTE THAT THE JANUARY, 2004 MEETING WILL BE JANUARY 8TH.

January, 2004

**Atkinson, NH:** Atkinson Amateur Radio Club, K1D. 0501Z **Dec 21-0500Z Jan 5.** Celebrating Kid's Day and Amateur Radio Awareness. 28.380 21.380 14.280 7.230. QSL. Peter Schipelliti, 7 Dearborn Ridge Rd, Atkinson, NH 03811.

**Davidsonville, MD:** Anne Arundel Radio Club Jr, W3W. 1300Z **Jan 17-1800Z Jan 18.** Celebrating 3rd Anniversary of a club dedicated to kids. 28.335 21.365 14.265 7.237. Certificate or QSL. Andrew Kelly, K3ASK, 1561 Efford Rd, Pasadena, MD 21122. <http://kidshamradio.com/specialevent.html>.

**Oyster Bay, NY:** ARRL NY City/Long Island Section, W2V. 1300Z-2200Z **Jan 18.** Ham Radio University 2004. 21.270 14.270 7.270. Certificate. George Tranos, PO Box 296, Bellport, NY 11713. <http://www.hudson.arrl.org/nli/hru2003.htm>.

**Quincy, IL:** Western Illinois Amateur Radio Club, K9E. 0000Z **Jan 23-2359Z Jan 25.** Arrival of the Bald Eagles on the Mississippi River. 7.250 14.250 21.350 28.350. Certificate. Robert G. Mitchell, 816 Long Dr, Quincy, IL 62305.

**Green Bay, WI:** Bay Area Relay League, W4P. 1200Z **Jan 24-1800Z Jan 25.** Packers Ice Bowl Remembered. SSB General bands; CW General and Novice bands. Certificate. George Russell, WN8VIX, 2530 Sun Terrace, Green Bay, WI 54311.

**San Diego, CA:** Challenger Middle School ARC, KI6YG. 1500Z-2400Z **Jan 28.** 18th Anniversary of the Challenger Disaster. 28.450 21.350 14.250 146.52 FM. QSL. Frank Forrester, KI6YG, Challenger Middle School, 10810 Parkdale Ave, San Diego, CA 92126.

**Punxsutawney, PA:** Punxsutawney Area Amateur Radio Club, K3HWJ. 1400Z-2100Z **Jan 31.** Commemorating Groundhog Day. 14.240 7.240 7.125 146.715. Certificate. Sherman Hollopeter, W3QOS, Box 20216 E Main St, Big Run, PA 15715. <http://www.qsl.net/k3hwj>.

**Topeka, KS:** Local Area Amateur Radio Operators, N0G. 1600Z-2200Z **Jan 31.** KS National Guard Museum Tribute. 28.400 21.350 14.310. Certificate. Steve Hamilton, 2523 SW Carlson Rd, Topeka, KS 66614.

*Courtesy The ARRL Newsletter*

annual auction in February. Remember that all items are donated to the club for the auction and we do not have the for sale table. Tom Michaud WA3TQJ has once again volunteered to be our esteemed auctioneer. This is always a fun event for the club. And you never know, you may find that one item that you just have to have.

Until our next meeting,  
73's,  
Mark Kempisty - N3GNW  
President

*(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)

### **Meeting Info – Tony Simek, VP**

January - Antenna Clinic  
Bill, K3ZMA

February - Club Auction

### **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.

### **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.

### **TOWER/ANTENNA PROBLEMS?**

To All Radio Amateurs in Pennsylvania. We are seeking case histories of anyone having tower/antenna problems due to municipal action and/or municipal inaction. Anyone having problems of this type are encouraged to contact E. Pa. Section Manager, WB3FPL, in writing or via the internet. Eric D. Olena, WB3FPL. 284 Blimline Rd. Mohnotn, PA. 19540-7810. wb3fpl@arrl.org as soon as possible.

### **FEMA SAYS BPL WILL "SEVERELY IMPAIR" ESSENTIAL HF OPERATIONS**

A proverbial monkey wrench in the works for BPL? Expressing "grave concerns" about likely interference from unlicensed Broadband over Power Line (BPL) systems, the Federal Emergency Management Agency (FEMA) told the FCC that BPL could "severely impair FEMA's mission-essential HF radio operations in areas serviced by BPL technology." FEMA responded December 4 to last April's FCC BPL Notice of Inquiry, ET Docket 03-104. Now part of the Department of Homeland Security--the agency said its primary worry is BPL's potential impact on the FEMA National Radio System (FNARS) on HF. FNARS is FEMA's primary command and control backup medium under the Federal Response Plan.

"FEMA has concluded that introduction of unwanted interference from the implementation of BPL technology into the high frequency radio spectrum will result in significant detriment to the operation of FEMA radio systems such as FNARS," FEMA asserted. "FNARS radio operators normally conduct communications with signals that are barely above the ambient noise levels." FNARS HF stations, FEMA said, typically are in residential areas of the sort that BPL might serve.

As part of the Department of Homeland Security, FEMA's perspectives on BPL could carry substantial weight at the FCC, which may issue a Notice of Proposed Rule Making as early as February. The FCC's BPL Notice of Inquiry has attracted more than 5100 comments--many of them from the amateur community.

FEMA said BPL also could render

(Continued on page 3)

*(Continued from page 2)*

useless such "essential communications services" as the Radio Amateur Civil Emergency Service (RACES), the Military Affiliate Radio System (MARS) and the Civil Air Patrol. FEMA and ARRL last year signed a Memorandum of Understanding that focuses on how Amateur Radio may coordinate with the agency in disasters and emergencies.

Calling the HF spectrum "an invaluable and irreplaceable public safety resource," FEMA said there's no current alternative to HF in terms of meeting national security and emergency preparedness requirements at the national, state and local levels. The agency advised the FCC to beef up its Part 15 rules to ensure no increase in interference levels to existing FCC or NTIA-licensed communication systems. Otherwise, FEMA predicted, "any noise increase inevitably would diminish the ability to maintain essential communications" and would "directly impair the safety of life and property."

Likewise, FEMA pointed out, amateur HF transmitters could possibly interfere with and interrupt BPL service, leading consumers not familiar with Part 15 to blame licensed radio services.

Concluded FEMA: "The purported benefits of BPL in terms of expanded services in certain communications sectors do not appear to outweigh the benefit to the overall public of HF radio capability as presently used by government, broadcasting and public safety users."

Additional information about BPL and Amateur Radio is on the ARRL Web site, [www.arrl.org/tis/info/html/plc/](http://www.arrl.org/tis/info/html/plc/). To support the League's efforts in this area, visit the ARRL's secure BPL Web site, <https://www.arrl.org/forms/development/donations/bpl/>.

*Courtesy The ARRL Newsletter*

## SOLAR UPDATE

Ra the Sun god Tad "Seasons in the Sun" Cook, K7RA, Seattle, Washington, reports: Declining sunspot numbers and high geomagnetic activity made for rough conditions this week. Average daily sunspot numbers for the week dropped by 57 percent from the previous week, and average daily solar flux was down by 34 percent. Average daily planetary A index more than tripled to 28.7.

Currently Earth is inside a high-speed solar wind. The interplanetary magnetic field points north, but geomagnetic conditions would be even more active if it pointed south. The wind is from a large coronal hole, and the stream began affecting Earth on December 8. No sunspots now face Earth.

Solar flux is expected to stay below 100 until Tuesday, December 16, and then rise suddenly Thursday and Friday, December 18-19.

Unfortunately, conditions should be rough for the ARRL 10-Meter Contest this weekend. Predicted solar flux values for Friday through Monday, December 12-15, are 85, 90, 90 and 95. Predicted planetary A index numbers for the same period are 40, 35, 25 and 20. Ten-meter paths really need a high MUF value to sustain them, and the low sunspot numbers we're seeing now don't help.

Sunspot numbers for December 4 through 10 were 115, 88, 87, 53, 49, 23 and 46, with a mean of 65.9. The 10.7 cm flux was 115.8, 111.7, 108.9, 92, 93.7, 92.2 and 89.2, with a mean of 100.5. Estimated planetary A indices were 9, 43, 22, 15, 39, 31 and 42, with a mean of 28.7.

*Courtesy The ARRL Newsletter*

## HIGH SPEED MULTIMEDIA RECORD

Amateurs complete 82-mile two-way DSSS link on 2.4 GHz: ARRL High Speed Multimedia (HSMM) Working Group <<http://www.arrl.org/hsmm/>> member Ken Cuddeback, NT7K, reports that his students at Weber State University <<http://classes.weber.edu/wireless/Project%20Information.htm>> in Ogden, Utah, recently completed two-way direct-sequence spread spectrum (DSSS) communication on 2.4 GHz over a distance of 82 miles. The WSU students --which include one ham, Brandon Checketts, KG4NZV, and several prospective licensees--broke the current world record of establishing a wireless link on 2.4 GHz with DSSS (using IEEE 802.11b "Wi-Fi" protocol). Cuddeback says his students used PrimeStar dishes with unamplified Cisco Aironet 350 cards--which run about 100 mW --in each laptop. "We set up a NetMeeting session and transferred a 2.5 MB mp3 file successfully," he said. ARRL HSMM Working Group Chairman John Champa, K8OCL, extended his congratulations to NT7K and his students on what he called "this fantastic accomplishment!"

*Courtesy The ARRL Newsletter*

## 241 GHZ RECORD

New 241-GHz record claimed: Brian Justin, WA1ZMS, has bested his previous record on 241 GHz. The new claimed record is 61.8 km, which tops his previous 34.9 km claimed record of November 14. "We had some rather dry weather here in Virginia, and I just couldn't pass up trying to better our own DX record for the band," Justin said. "After shorting out a set of gel cell battery terminals while setting the gear up, I thought we'd never make the QSO!" The mishap melted a 1/4-inch plug on the cable end of the CW straight key, but

*(Continued on page 4)*

*(Continued from page 3)*

it didn't prevent the contact from going forward. Operating as W2SZ/4 in FM07fm, Justin worked W4WWQ in EM97xe. There's information on Justin's other microwave accomplishments on the Mount Greylock Expeditionary Force Web site <<http://www.mgef.org>>.

*Courtesy The ARRL Newsletter*

### **National Radio Emergency Network to debut**

The National Radio Emergency Network (NREN) <<http://www.aa8vs.org/nren/>> will commence operations December 1. A cooperative effort of several US CW net managers, NREN hopes to provide an alternative public service network geared to low-power, portable and mobile stations. "Because CW provides significantly more reliability for stations operating at low power levels (QRP) or with compromise antennas, this will be a CW-based program," said an announcement from Chuck Mabbott, AA8VS. NREN will work on the "radio watch" principle, and member stations will maintain a watch on one or more of three selected frequencies in the 40, 30, and 20-meter bands. A detailed description of NREN, along standard operating procedures is available on the NREN Web page <<http://www.aa8vs.org/nren/>>.

*Courtesy The ARRL Newsletter*

### **INTERNATIONAL SPACE STATION MARKS FIVE YEARS IN SPACE**

As of this month, the International Space Station has been in space five years and has had Amateur Radio and a permanent crew onboard for three years. The first component of the unique orbiting laboratory complex--home to the first permanent Amateur Radio station in space, NA1SS--was launched November 20, 1998. Since

attaining orbit, the ISS has grown from a lone, uninhabited module into a continuously staffed, house-sized research facility. The Amateur Radio on the International Space Station (ARISS) program has been a part of the ISS since November 2000, when the Expedition 1 crew of William Shepherd, KD5GSL, Yuri Gidzenko, and Sergei Krikalev, U5MIR, arrived on board for a four-month tour.

"Together with our international partners we have learned how to build, operate and maintain a very complex spacecraft, through the good times and the bad," NASA Space Station Program Manager Bill Gerstenmaier said in marking the ISS's fifth birthday. "With this experience to guide us, we look forward to the future, with a vast expansion of the station on the horizon." The US, Russia, Canada, Japan and Europe have cooperated in making the ISS a reality as well as with making ARISS a success.

The first ISS element, the Russian Zarya functional cargo block (or FGB), was launched in 1998 from Baikonur, Kazakhstan. The shuttle Endeavour delivered the second element, the US connecting module called Unity, two weeks later.

The ARISS initial station gear went into space in September 2000. A month later, the FCC granted vanity call signs NA1SS and NN1SS (the official ARISS Earth station at Goddard Space Flight Center in Maryland) to the International Space Station Amateur Radio Club for US ARISS operations. Russia has issued the call signs RZ3DZR and RS0ISS for ISS use.

Using the initial ham station gear, Shepherd--who dubbed the ISS "Space Station Alpha"--made the first ARISS school group contact on December 21, 2000, answering questions posed by students at Luther Burbank Elementary School near Chicago. Some 200 youngsters, teachers, parents and news media representatives were on hand to

witness the event.

So far, 22 crew members have staffed the ISS. The current Expedition 8 crew of Commander Mike Foale, KB5UAC, and Alex "Sasha" Kaleri, U8MIR, arrived at the ISS earlier this month and has been settling in aboard the spacecraft. Residents have conducted research in a wide range of disciplines, and the ISS remains the largest and most complex international space research project in history. The February 2003 shuttle Columbia tragedy and the subsequent grounding of the NASA shuttle fleet at least for another year has slowed construction and trimmed crew complements from three members to two. The ISS' scientific capacity will triple with components awaiting the space shuttle's return to flight.

"At five years old, the ISS continues to grow," NASA says. "More than 80 tons of equipment and hardware are in the Space Station Processing Facility at NASA's Kennedy Space Center, being prepared for launch."

The capabilities of NA1SS also are slated to expand in the near future. During the recent AMSAT-NA Symposium and Annual Meeting in October, ARISS International Chairman Frank Bauer, KA3HDO, outlined the delivery of the so-called Phase 2 ham equipment to the ISS. Already on board is a Kenwood TM-D700E VHF/UHF

### **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)*

transceiver. The unit will mean a significant boost to the power output of the ARISS initial station gear-- from 5 W to 25 W. Additional gear, including SSTV hardware, tentatively is set for transport in January.

For more information on the ISS, visit NASA's Human Spaceflight Web site <<http://spaceflight.nasa.gov/home/index.html>>.--information from NASA was used in this report

*Courtesy The ARRL Newsletter*

**ARRL Continuing Education**

ARRL Certification and Continuing Education course registration: Registration for the ARRL HF Digital Communications (EC-005) and UHF-VHF Beyond the Repeater (EC-008) courses opens Monday, December 15, 12:01 AM Eastern Standard Time (0501 UTC). Registration will remain

open through Sunday, December 22. Classes begin Tuesday December 23. Registration for the ARRL Antenna Modeling (EC-004) course remains open through Sunday, December 14. Those interested in taking an ARRL Certification and Continuing Education (C-CE) course in the future can sign up to receive advance notification of registration opportunities. To take advantage, send an e-mail to [prereg@arrl.org](mailto:prereg@arrl.org). On the subject line, indicate the course name or number (eg, EC-00#) and the month you want to start the course. In the message body, provide your name, call sign, and e-mail address. Please do not send inquiries to this mailbox. To learn more, visit the ARRL Certification and Continuing Education (C-CE) <<http://www.arrl.org/cce/>> Web page and the C-CE Links found there. For more information, contact Certification and Continuing Education Program Department [cce@arrl.org](mailto:cce@arrl.org).

**FCC Enforcement Funding**

FCC enforcement funding will not decrease in new fiscal year: The omnibus budget bill that the US House of Representatives approved this week directs the FCC to maintain next fiscal year's funding for enforcement activities at least at its current level. The Congressional Record reports that a House-Senate conference agreement includes nearly \$274 million for the FCC, with all but \$1 million to be offset by fee collections. "The conferees direct the FCC to expend for enforcement in fiscal year 2004 an amount equal to or greater than the amount expended for enforcement in fiscal year 2003," the House Conference Report on HR 2673, the Consolidated Appropriations Act of 2004 states. The US Senate will consider the budget measure in January after it returns from the holiday break.

*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**

<u>Month</u>	<u>Contest</u>
<b>January</b>	24 - 26 ARRL January VHF Sweepstakes
<b>February</b>	21 - 22 ARRL International DX Contest (CW)
<b>March</b>	6 - 7 ARRL International DX Contest (Phone)
<b>June</b>	12 - 14 ARRL June VHF QSO Party 26 - 27 ARRL Field Day



**> 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*

14 Jan 2004 x Auction-Fest Phil-Mont Mobile Radio Club  
Philadelphia (Lafayette Hill), PA  
<http://www.phil-mont.org>  
25 Jan 2004 + Maryland Mobileers ARC Odenton, MD  
<http://www.qth.com/mobileers/>  
10 Apr 2004 + Eastern Shore Hamfest & Computer Show  
Easton ARS Easton, MD <http://www.k3emd.com>

### CONVENTIONS and CONFERENCES

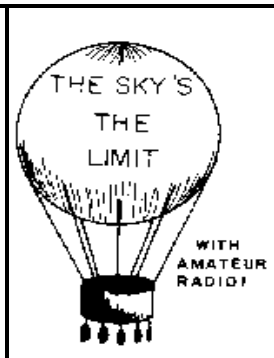
27-28 Mar 2004 \* Maryland State Convention  
Baltimore ARC Timonium, MD <http://www.gbhc.org>

*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](mailto: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 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

## 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.

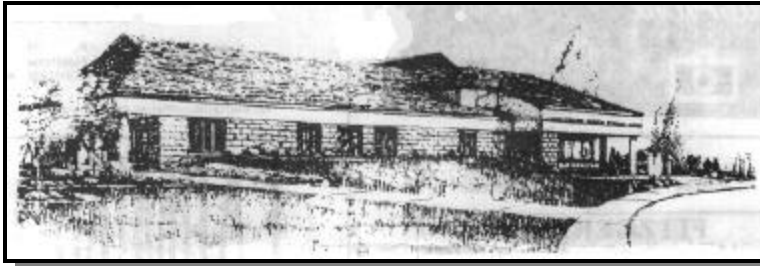
**2004 Officers**

**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.**