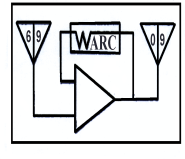




# FEEDBACK



Warminster Amateur Radio Club Web Site <http://www.k3dn.org>

May 2004

## Next Meeting May 6th - Frequency Measuring

### President's Message



Its May again and that means it is time for Warminster Amateur Radio Club's annual hamfest on **Sunday, May 2nd** at the Grange Fairgrounds in Wrightstown, Pennsylvania. This is our most important event of the year as the proceeds from the hamfest supply a majority of the WARC's operating expenses for the year. Every year I hear numerous comments about our hamfest being a great traditional hamfest. For that I must give my thanks to Bill K3ZMA, his hamfest committee as well as all of our club members who lend a hand in running the hamfest. Without you, the hamfest would not be the enjoyable event that it is. Your support in helping at either set-up on **Saturday, May 1st**, during the Hamfest on **May 2nd** or with clean up following it will be greatly appreciated. Even if you can only devote a couple of hours, it helps spread the effort over more people. Jobs vary from organizing tables during set-up, handling vendor check-ins, vendor parking (always a great way to see what they're planning to sell) and buyer parking. We also have a club table to oversee so not all jobs require you to walk around a lot. Contact Bill Strunk K3ZMA at (215) 822-0749, [k3zma@k3dn.org](mailto:k3zma@k3dn.org). Vendor check-in for the hamfest starts at 6:00 AM and the gates open to buyers at 7:00 AM. With the way the calendar falls this year, we will not be able to have a meeting right before the hamfest. So please listen in on the 147.090 MHz repeater in case there are any urgent announcements.

The May meeting also brings us elections for President, Vice-President, Secretary and Treasurer and our two elected director positions. (This is as

May, 2004

- Conway, AR:** Faulkner County Amateur Radio Club, W5AUU. 1800Z-2400Z **May 1.** Toad Suck Daze Festival. 21.350 14.250. Certificate. W5AUU, PO Box 324, Conway, AR 72032.
- Toms River, NJ:** Holiday City Amateur Radio Club, W2H. **May 1 - May 15.** Commemorating the crash of the *Hindenburg* Airship at Lakehurst, NJ. Lower General HF bands, 145.170. QSL. Holiday City Amateur Radio Club W2HC, 9 Tahoe Ct, Toms River, NJ 08757.
- Franconia, NH:** Old Man Radio Club, N1H. 1500Z **May 2**-0100Z **May 3.** First anniversary of the collapse of New Hampshire's Old Man of the Mountain rock formation. 14.247 7.247. Certificate. Jim Cluett, W1PID, 1241 New Hampton Rd, Sanbornton, NH 03269. <http://www.qsl.net/oldman>.
- New Braunfels, TX:** Highland Lakes Amateur Radio Club, W5A. 1400-2100Z **May 14**-1400-2100Z **May 15.** Experimental Aircraft Association SW Regional Fly-In. 21.360 14.260 7.260. QSL. c/o M. Warner, PO Box 784, Burnet, TX 78611. <http://www.hlarc.org/>.
- Hartford, IL:** Lewis and Clark Radio Club, K9L. 1400-2200Z daily **May 14, 15 and 16.** Bicentennial of Lewis & Clark departure from Camp DuBois, IL. 28.360 21.360 14.260 7.260. Certificate. LCRC, PO Box 553, Godfrey, IL 62035. <http://www.k9ham.net/k9l.htm>.
- Clackamas, OR:** North West Military Radio Enthusiasts, KD7VPH. 1600Z-2300Z **May 15.** Operating with vintage military gear for Armed Forces Day. 14.088 10.137 7.296 7.087. QSL. NWMRE, PO Box 334, Corvallis, OR 97330-0334. <http://www.exchangenet.net/nwmre/>.
- Washington, DC:** FBI Amateur Radio Association, K3FBI. 1200Z-2200Z **May 15.** 23rd Annual National Peace Officers Memorial Day. 21.280 14.280 7.280. Certificate. Jay Chamberlain, AE4MK, 27 Fox Run Ln, Fredericksburg, VA 22405. No SASE required.
- Waterville, ME:** Waterville Area Wireless Association, WA1WA. 1400Z-2100Z **May 15.** Boy Scouts Spring Camporee. 28.350 21.300 14.265 7.250. QSL. Waterville Area Wireless Association, R4 Box 8043 Matheson Ave, Winslow, ME 04901.
- Hammondsport, NY:** Keuka Lake Amateur Radio Association, KV2W. 1300Z-2200Z **May 22.** Celebrate Birthdate of Aviation Pioneer Glenn H. Curtiss. 28.340 7.250 3.870. Certificate. Roy Koehler, PO Box 451, Avoca, NY 14809.
- Lancaster, NY:** Town of Lancaster Office of Emergency Management, KC2LAS. 0000Z **May 22**-2000Z **May 23.** Annual "How Ham Radio Can Save the Day" public demonstration. 21.350 14.250 7.250 3.950. Certificate. Town of Lancaster, Emergency Management Office, 525 Pavement Rd, Lancaster, NY 14086.
- Baton Rouge, LA:** USS *Kidd* ARC/Baton Rouge ARC, W5KID. 1400Z-2200Z **May 30.** Memorial Day. General class bands, 14.250 to 14.320; CW QRP subbands. QSL. W5KID, c/o USS *Kidd* Museum, 305 S River Rd, Baton Rouge, LA 70802.
- Belleville, MI:** Yankee Air Force Museum, W8YAF. 1200Z-2000Z **May 31.** Observing Memorial Day at the Yankee Air Museum at Willow Run Airport. 7.270. Certificate. Frank A. Nagy, N8BIB, 24315 Waltz Rd, New Boston, MI 48164-9167.
- Fort Monmouth, NJ:** Robert D. Grant United Labor Amateur Radio Association, N2UL. 1200Z-2200Z **May 31.** Remembering those who made the supreme sacrifice for our freedom. 449.975 28.460 14.260. Certificate. RDGULARA, c/o WA2VJA, 112 Prospect St, Nutley, NJ 07110-0716.

Courtesy The ARRL Newsletter

according to our new constitution. Our appointed directors are now done in January.) So do not forget to vote by either mailing in your ballot or by bringing it to the meeting. Nominations from the floor will also be accepted or if you are interested in one of these positions you an contact Mike Patton W3MJP who is chairing the Nominations Committee at 215-491-9665. As per the Club's constitution and by-laws you do have to be a regular member in good standing to hold office.

(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)

Finally, as I write this we have finished up one of first public service events of the year. I helped out at the Lower Bucks March of Dimes Walk-a-Thon. It was very gratifying to see all of the WARC and Penn Wireless members there. Other than it being a bit on the cool side it was a beautiful morning. About 1250 walkers and runners started out on time and made their way through the course. Sgt. Baindridge of the Lower Makefield police department did an excellent job of coordinating with us and augmenting his police coverage of the course with amateur radio operators. I am looking forward to helping out again next year.

Once again, I hope to see you all at the May meeting.

Mark Kempisty - N3GNW  
President

**Minutes of Warminster ARC  
April 1, 2004  
Dave, AA3UR, Secretary**

Mark, N3GNW, called the meeting to order. Thanks to Randy, N3LJE, for donating a new gavel. We had four guests attending.

The program for the night was presented early to accommodate the speaker, Marvin Forrel. It was a very informative talk about the early days of radar and the pursuit of higher frequencies to gain higher resolution.

The minutes as published in *Feedback* were approved with an amendment to correct Steve's call to WW3Y. The elections will be coming up. Anyone desiring to run for office should let it be known. Several posts will be vacant and opportunities exist for people who want to get involved.

The hamfest will be May 2<sup>nd</sup>. Please sign up and work. It supplies most of our funds for the year.

Vice President: Tony, N3YNH listed

some of the future meeting programs.  
Tonight: Early Radar  
May Frequency Measurement  
June Homebrew night with pizza and a twist  
August Spacecraft

Secretary: Dave, AA3UR, read a letter from the Doylestown Free Library thanking us for our donation of a QST subscription.

Treasurer: Vahan, KB3DHU, gave the treasurer's report.

Bill, K3ZMA, needs workers for setup on Saturday, May 1, 2004. Please sign up for chores. The Hamfest will be on May 2, 2004 which is prior to our May meeting. Please don't forget about it.

Bud, K3TPM, reported that we have about the same 124 active members and some renewals.

Repeater: Nothing to report.

Public Service: The various March of Dimes walks will need 40 operators. Please sign up if you can help.

Field Day: Stu, K2QBU, reminds us that Field Day 2004 is coming June 26 and 27, 2004. Tables have been ordered. Food and soda is being acquired. A co-coordinator is needed, as Stu will not be able to be there that weekend. Band captains have been assigned for 20, 40, 10, and 75 meters. Mark's wife has agreed to cook again.

Old Business:  
Mark Hinkel, WA3QVU, reported that the hobby show was successful. There was quite a bit of interest in the display. There will be a Tech Fest sponsored by NBC10 and the ARRL in November.

New Business  
Bill, K3ZMA, mentioned that Doug Crompton, WA3DSP, will be

applying for a special event license for this year's Grange Fair. If you can help let him know by emailing him: doug@crompton.com.

Good and Welfare: Vince, KD3TC, reported that Burt, N3YVH is recovering from shoulder surgery. Vince also had information on the changes that were effective March 17, 2004 regarding ARRL guidelines for Awards Managers.

With no other business, the meeting was adjourned, followed by the 50/50 drawings.

David Porter AA3UR  
Secretary

**MEETING INFO - TONY  
SIMEK, VP**

May - Frequency Measuring,  
Bill K3ZMA  
June - Homebrew Night & Pizza  
Social

**PUBLIC SERVICE**

Burt, N3YVH, needs ten operators for the Hole-in-One on June 3, 2004.

Operators will be needed again this September for the Polish Festival. Burt, N3YVH, will be the coordinator. He needs 10 operators/day.

**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

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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

### ITEM 1

#### 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

### ITEM 2

I will have some rigs from an estate for sale at the next hamfest - rough list:

Ts-430  
TS- 570  
SB- 220 amp  
2 meter base and handie

I will have these items before the hamfest if anyone is interested.  
Contact Doug Crompton, WA3DSP  
Phone: 215-355-5307

### ITEM 3

Icom 706 - Original w/2m.  
Excellent condition. Full output in all modes and bands.  
Includes original manual, and power cable.  
Includes IC-SM6 desk mic w/ adaptor cable for 706.  
Includes HM-103 Handheld Mic.  
Also includes cable for detachable faceplate.  
Everything in excellent condition.  
This is a 100% full duty cycle radio excellent for digital modes.  
Originally my first rig years ago. I have since moved on to other radios and this one just sits, unused except for a few hours of use on field day.

### I'D LIKE TO TRADE FOR:

Yaesu FT-100 or similar rig.  
HF/2m/440 w/detachable face and hand mic.

If you have something close-contact me:

anthonybme@verizon.net

215-632-3283.

Anthony (WARC member)

KB3DVS

### 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.

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

Thanks,  
Allen Huber, WG3E

## LOOKING FOR CW PRACTICE

I'm looking for anyone that would like to have an occasional practice CW QSO.

My radio can work any band, but is best at 40 meters and above. HF, VHF, it does not matter to me. I can work about 5 wpm and I'm interested in improving that.

Thanks very much for your time and attention.

73,

Steve Schnell, KB3HKB

e-mail: [KB3HBK@runbox.us](mailto:KB3HBK@runbox.us)

## SOLAR UPDATE

Propagation guru Tad "Dancing in Sunshine" Cook, K7RA, Seattle, Washington, reports: Solar flux and sunspot numbers rose this week, and geomagnetic indices were down. Although still headed down the far side of solar cycle 23, rising sunspot counts and lower geomagnetic disturbances are great for HF propagation.

Over the next few days, April 23-25, solar flux should stay around 120. It's expected to drop to around 115, 115 and 110 April 26-27. Planetary A index may rise to around 15 or higher on Saturday and Sunday, April 24-25, due to a solar windstream, especially if the interplanetary magnetic field points south. Currently the field is pointing north, protecting Earth from solar wind. There is a possibility of effects from a coronal hole reaching Earth this Sunday, April 25.

Returning activity as the sun rotates

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relative to Earth could cause a larger rise in geomagnetic activity around May 3.

This week's update has a new index added to the numbers at the end of the bulletin. The middle latitude numbers reflect conditions experienced by the majority amateurs in North America living below the 50th parallel.

Sunspot numbers for April 15 through 21 were 60, 53, 55, 92, 108, 96 and 98, with a mean of 80.3. The 10.7 cm flux was 96.7, 96.9, 98.2, 109, 113.4, 110.7 and 112.7, with a mean of 105.4. Estimated planetary A indices were 6, 12, 9, 11, 6, 4 and 5, with a mean of 7.6. Estimated mid-latitude A indices were 3, 10, 6, 6, 4, 4 and 6, with a mean of 5.6.

### **UTILITY DRAWS "LINE IN THE SAND" ON BPL INTERFERENCE ABATEMENT**

In an e-mail this week to the FCC, an electric utility testing broadband over power line (BPL) systems in the Raleigh, North Carolina, area has drawn a virtual line in the sand on how far it plans to go to mitigate interference to Amateur Radio. Responding this week to the FCC about BPL interference complaints from hams, Progress Energy Corp (PEC) told the FCC that his company has eliminated any harmful interference from its BPL trial site and now complies with FCC rules.

"It is PEC's position and interpretation of the FCC's rules with regard to 'harmful interference' that any interference that may still exist is not 'harmful' as that term is defined by the FCC's rules," Len Anthony, PEC's attorney for regulatory affairs, told James Burtle, chief of the FCC's Experimental License Branch. "This level of interference does not seriously degrade ham radio operation or transmissions or cause repeated interruptions." Some, but not all, of PEC's BPL field trials are covered by an FCC Part 5 experimental license.

The FCC defines as "harmful" any interference that "seriously degrades, obstructs or repeatedly interrupts a radiocommunication service operating in accordance with the Radio Regulations."

Anthony claimed that since PEC can modify its Amperion BPL system to totally eliminate interference to fixed stations, "the only impact of any kind upon ham operations is upon mobile operators." PEC concluded that since BPL interference to mobiles would be "very short lived," the company is not causing harmful interference and is in "full compliance" with FCC Part 15 rules.

ARRL North Carolina Public Information Officer Gary Pearce, KN4AQ, suggests PEC has a bit more work to do. He is among local amateurs closely monitoring BPL deployment in the test zones and cooperating with PEC and Amperion to work out any interference issues. Pearce says interference remains on the top end of 20 meters in an overhead-line field trial neighborhood where PEC recently had tweaked its system.

"Nothing had changed," he told ARRL after visiting the neighborhood in the wake of Anthony's e-mail. "They were still covering up the top end of the 20-meter band." Interference to 17 and 12 meters had been notched out, but beyond that, BPL interference persisted from 14.290 to nearly 17 MHz, he said, and "fringe" carriers still encroached some 100 kHz into the bottom of 15 meters. Interference had not been mitigated at all in neighborhoods with underground power service, he said.

Progress Energy has been operating its "Phase II" trial in three neighborhoods south of Raleigh since early January. The area, in Wake County, is largely rural or lightly settled.

No hams live in the underground-wired neighborhood, so none

complained, Pearce said. The handful of BPL interference complaints eventually lodged with the FCC came from amateurs living closer to the overhead-wired neighborhood, and some were from mobile operators.

Pearce said PEC's stance regarding mobile stations "sets a new bar" in interpreting harmful interference. "Hams have never been asked to accept that level of interference before," he said, noting that mobiles driving by a power line can hear the signal for "a mile or so."

The ARRL's BPL strategy calls for the League to seek a radiated emission limit sufficient to protect the estimated 70,000 Amateur Radio mobile stations in the US. ARRL field observations using typical amateur equipment have documented BPL interference to mobile stations located hundreds of meters from BPL interference sources.

Pearce says the North Carolina hams will respond to Progress Energy and the FCC to disagree with its interpretation of "harmful interference" and its conclusion regarding interference to mobiles.

While he maintains that controlling BPL in a small trial area like his should not be that difficult, "having BPL buzzing across all the power lines in a large city is another story entirely, and that's what we're worried about."

### **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)*

ARRL CEO David Sumner framed the situation another way. "If BPL emissions block weak signals that otherwise would be usable, that is harmful interference and they must remedy it," he said. "Progress Energy has as much as admitted that they can't. The only thing left for them to do is to shut their system down and get back to their basic business of supplying electrical energy."

Additional information about BPL and Amateur Radio is on the ARRL Web site  
<http://www.arrl.org/bpl/>.

**Oklahoma hams respond to severe weather emergency**

ARRL Oklahoma Section Manager John Thomason, WB5SYT, reports that Amateur Radio Emergency Service teams responded after tornados, severe thunderstorms and hailstorms struck the state April 20

and 21. "Several ARES groups assisted in severe weather spotting, radar analysis, city shelter management and damage assessment," Thomason told ARRL. "Severe thunderstorms with large hail, heavy rain and tornadoes struck Oklahoma for the second day consecutive day. A tornado warning lasted for almost an hour. Hail the size of baseballs punished people and vehicles." Thomason said hail accumulation on roadways made travel difficult, and the National Weather Service at one point had most of the state's 77 counties under a tornado watch. As of mid-week, several hundred residents remained without power.

The ARRL-affiliated Southern Oklahoma ARES club in Ardmore provided numerous weather spotters and radar interpreters to assist public service agencies. The Ardmore Amateur Radio group's activity, including a picture of Matt Jones, W5FLW, were reported in the April 22

edition of The Daily Ardmoreite <[http://www.ardmoreite.com/stories/042204/loc\\_okstorms.shtml](http://www.ardmoreite.com/stories/042204/loc_okstorms.shtml)>. Thomason said the Edmond Amateur Radio Society--an ARRL Special Service Club--provided spotters and shelters monitors in that community. "Other ARES groups throughout Oklahoma provided similar support to city and county emergency service entities," Thomason said.

**ARRL Certification and Continuing Education course registration**

Registration for the ARRL HF Digital Communication (EC-005), ARRL VHF/UHF--Beyond the Repeater (EC-008) and ARRL Technician Licensing (EC-010) courses remains open through Sunday, April 25. Classes begin Tuesday May 4. Students participating in VHF/UHF--Beyond the Repeater (EC-008) will enjoy exploring some of the lesser-used and more intriguing aspects of VHF/UHF operation. HF Digital Communication students will learn to use a variety of HF digital modes. With the assistance of a mentor students in Technician Licensing (EC-010) will learn everything they need to know to pass the FCC Technician class amateur license test. To learn more, visit the ARRL Certification and Continuing Education (C-CE) <<<http://www.arrl.org/cce/>>> Web page or contact the ARRL Certification and Continuing Education Program Department <[cce@arrl.org](mailto:cce@arrl.org)>.

**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>

**> 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

**2004 Contest Calendar**

<u>Month</u>	<u>Contest</u>
<b>June</b>	12 - 14 ARRL June VHF QSO Party 26 - 27 ARRL Field Day
<b>July</b>	10 - 11 IARU HF World Championships
<b>August</b>	7 - 8 ARRL UHF Contest 21 - 22 ARRL 10 GHz and Up Contest
<b>September</b>	11 - 12 ARRL September VHF QSO Party 18 - 19 ARRL 10 GHz and Up Contest
<b>November</b>	6 - 8 ARRL November Sweepstakes (CW) 20 - 22 ARRL November Sweepstakes (Phone)



## ATLANTIC DIVISION HAMFESTS - 2004

➤ + *indicates ARRL Hamfest*

8 May 2004 + Appalachian AR Group Fredericksburg, PA  
<http://web.aa3rg.org:81/>

12 Jun 2004 + Columbia-Montour ARC Bloomsburg, PA  
<http://www.qsl.net/cm-arc/flyerweb.html>

20 Jun 2004 + East Coast Long Wire Association  
<http://www.qsl.net/eclwaNorth> Wildwood, NJ

3 Jul 2004 + Murgas ARC Wilkes-Barre, PA  
<http://www.qsl.net/k3yt1>

11 Jul 2004 + Mid-Atlantic ARC Kimberton, PA  
<http://www.marc-radio.org/hamfest.html>

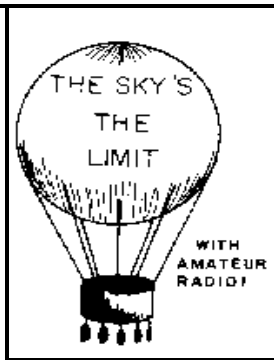
### CONVENTIONS and CONFERENCES

*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 6:30 PM Bellmawr Comm. Senior Citizens Center Browning Rd. at Lewis St. Diane Nafis N2LCQ, 856-228-8088.
- ◆ **Levittown, PA**, Monthly, 1st Saturday - George LeNoir, WR3B, 215-943-4886.
- ◆ **Telford, PA**, Monthly, 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**

## 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	
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.

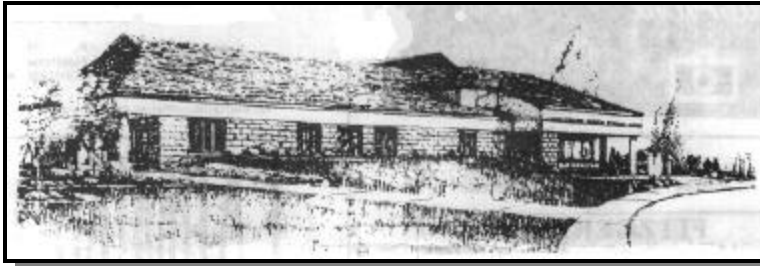
**2004 Officers**

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
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.**