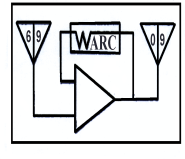




FEEDBACK



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

April 2004

Next Meeting April 1st - Early Radar

President's Message



Winter has tried one last hurrah and dumped four inches of snow on us. Last year, I thought I had joined the submarine service with all the rain we were having. Now this winter I feel like I am part of the ski patrol. We have had one heck of a year weather wise. It has been challenging just trying to keep up with what's going on outdoors.

Like the challenge we have been facing from the weather Amateur Radio is facing a major challenge from the Broadband over Power Lines (BPL) initiative. The FCC has released its Notice of Proposed Rule Making (NPRM) in ET Dockets 03-104 and 04-37. This is not a NPRM to permit or authorize BPL which is already authorized under Part 15 rules. The NPRM reaffirms that licensed services must be protected from harmful interference and are not required to protect BPL systems. Finally the NPRM proposes additional, new constraints on BPL to protect licensed services. I urge you to review the NPRM as well the information published by the American Radio Relay League, CQ Communications and any other source you may find to come up with own thoughtful, considered comments that address the FCC's BPL proposals and reflect positively on the amateur community to submit to the FCC. The deadline for submitting comments to the FCC is Monday, May 3.

Warminster Amateur Radio Club's annual elections are coming up. I will not be running for President again this year, but I will gladly accept the Board

April, 2004

Tulsa, OK: Tulsa Health Department Amateur Radio Club, K5THD. 0000Z-2400Z **Apr 3.** Tulsa Health Department/OK-1 DMAT Joint Readiness Exercise. 28.365 21.365 14.265 7.265. Certificate. Tulsa Health Department Amateur Radio Club, Attn: Dave Cox, 5051 S 129th E Ave, Tulsa, OK 74134. <http://www.tulsa-health.org/k5thd>.

Peoli, OH: Tusco Radio Club, W8ZX. 1700Z-2300Z **Apr 5.** 1st day of baseball season, operating from Cy Young's home town. 14.275 7.250 3.925. QSL. Jim Foote, K8KSN, 3015 Larson Rd SE, Uhrichsville, OH 44683.

Schenectady, NY: Union College Amateur Radio Society, W2UC. 2300Z **Apr 9-0100Z Apr 10,** and Schenectady Amateur Radio Association, K2AE. 1400Z

Outer Banks, NC: ARLHS, N4L. 1400Z-2400Z **Apr 10.** North Carolina Light Houses of the Outer Banks, 192 years. 21.260 14.260 7.260. Certificate. Gary Tilton, 131 Almond Tr, Pinnacle, NC 27043. <http://www.n4jne.com/>.

Indianapolis, IN: RCA Amateur Radio Club, W9RCA. 1300Z **Apr 10-2200Z Apr 11.** 50th Anniversary of 1st production RCA color TV set. 28.450 21.350 14.250 7.250. QSL. RCA Amateur Radio Club, 624 Lexington Blvd, Carmel, IN 46032.

Indian Orchard, MA: Titanic Historical Society, Inc, W1MGY. 1330Z **Apr 10-0527Z Apr 15.** Commemorating the 92nd anniversary of the *Titanic* disaster. 14.260 14.033 7.260 7.033. QSL. W1MGY/Titanic Historical Society, Inc, PO Box 51053, 208 Main St, Indian Orchard, MA 01151-0053. <http://www.titanichistoricalociety.org/>.

Jacksonville, TX: Cherokee County Amateur Radio Club, K5JVL. 1500Z **Apr 17-0500Z Apr 18.** 3rd Annual Drakes on the Lake Special Event Station. 21.375 14.275 7.275 3.875. Certificate. Cherokee County ARC, 840 Henderson St, Jacksonville, TX 75766. <http://www.k5jvl.org/>.

Piscataway, NJ: Piscataway Amateur Radio Club, K2VOA. 0000Z-2400Z **Apr 18.** Former Voice of America relay station WBOU. 28.370 21.370 14.270 7.270. Certificate. Bill Toth, 6 Rivercrest Dr, Piscataway, NJ 08854.

Millville, NJ: Millville Army Airfield Museum, N2M. 0401Z **Apr 20-1600Z May 3 2004** AmExpo and Wheels & Wings Air Show. 448.525 146.655 14.275 3.925. QSL. Millville Army Airfield Museum "AMEXPO," Bldg 1 Millville Airport, Millville, NJ 08332. <http://www.p47millville.org/>.

Brainerd, MN: Brainerd Area Amateur Radio Club, W0UJ. 1400Z-2200Z **Apr 24.** Crosby MN--Birthplace of the Space Age? 28.450 21.350 14.250. Certificate. BAARC, PO Box 801, Brainerd, MN 56401. <http://www.brainerdham.org/>.

East Meadow, NY: Nassau Amateur Radio Club, K2VN. 1500Z-2000Z **Apr 24.** Commemorating Scout Walk 2004. 14.240 7.240. Certificate. Jim Mezey, W2KFV, 38 Appletree Ln, Carle Place, NY 11514. <http://www.nassauarc.org/>.

Manitowoc, WI: USS *Cobia* Radio Club/Mancorad Radio Club, N9BQV. 1400Z **Apr 24-2200Z Apr 25.** WWII USS *COBIA* AGSS-245 sub radio reactivation. 28.343 21.343 14.243 7.243. QSL. Fred Neuenfeldt, W6BSF, 4932 S 10th St, Manitowoc, WI 54220. <http://www.qsl.net/w9dk>.

Cleburne, TX: TAEC & Johnson County Amateur Radio Clubs, K5AEC. 1500Z **Apr 24-2400Z Apr 25.** Johnson county 150 centennial celebration. 14.250. QSL. Gerald Mohr, 1000 CR 414, Cleburne, TX 76031.

Courtesy The ARRL Newsletter

position as Past President. Our nominations committee is now forming and will accept recommendations and nominations for all of our elected positions. If you would like to run for one of these offices, please see either the Nominations Committee or one of the current Board members. Please remember that WARC's success is the strength of its membership who give so greatly of their time to not only support the organization but also the work that we do for both Amateur Radio and the public.

(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, I hope to see you all at the April meeting.

Mark Kempisty - N3GNW
President
Warminster Amateur Radio Club,
Inc.

Minutes of Warminster ARC March 4, 2004 Dave, AA3UR, Secretary

Mark, N3GNW, called the meeting to order. Guests present were: Leo, KB3ATC; Gen, N3YUH; Michael, KB3HAB; and Ben, K3JQH. The minutes, as published in *Feedback* were approved. The club gavel is still missing. If you picked it up please let us know where it is. Thanks to those who donated items to the club for the annual auction, and thanks to those who purchased the donated items. The QST subscription held by the Doylestown Library Branch recently lapsed due to cutbacks in state funding. WARC has stepped forward and issued a check for continuing the subscription. The insurance settlement for vandalized equipment was received and has been paid out to all owners of equipment that had been loaned to us. The remaining funds are for club-owned equipment replacement and will be folded into the club's general treasury.

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

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

Secretary: Dave, AA3UR, had nothing to report.

Bill, K3ZMA, mentioned that the Hamfest flyer on the website has been updated. Demos will be available on Software Defined Radio, QRP

Homebrewing, the Norcal 40, and Digital Modes. Please sign up for chores. The Hamfest will be prior to our May meeting on May 2, 2004. Please don't forget about it.

Bud, K3TPM, reported that we have 124 active members and many membership cards and badges that have not been picked up.

Repeater: Nothing to report.

Public Service: Steve, W3YY, needs five to seven operators for his section of the March of Dimes walk at the end of April. Burt, N3YVH, needs ten operators for the Hole-in-One on June 3, 2004. Additionally, many will be needed Labor Day Weekend and the following weekend for the Shrine of Czestochowa. Mark, N3GNW, needs anyone who can make it to man a table at the upcoming East Coast Hobby Show, March 27-28, 2004. Setup will be on Thursday evening prior to the show.

Classes: No Code Tech classes will be starting on Monday nights. The Extra classes will be continuing for a few more weeks.

Field Day: Stu, K2QBU, reminds us that Field Day 2004 is coming June 26 and 27, 2004. Preliminary arrangements are underway. Mark's wife has agreed to cook again.

With no other business, the meeting was adjourned, followed by the 50/50 drawings and the presentation on old time radios.

David Porter AA3UR
Secretary

MEETING INFO - TONY SIMEK, VP

April—Marv Foral, Early Radar
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).

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 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.

(Continued on page 3)

(Continued from page 2)

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

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

Classes are held 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.

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

SOLAR UPDATE

Ra the Sun god Tad "Sunny Boy" Cook, K7RA, Seattle, Washington, reports: Average daily sunspot numbers rose nearly 13 points March 11-17 to 66.1. Average daily solar flux rose by a negligible amount from 106.3 to 106.8. A solar wind stream caused geomagnetic disturbance from the last reporting week into the early part of this week, but conditions quieted. Mildly unsettled conditions may return over the weekend, with Friday through Monday, March 19-22, planetary A index predicted at 8, 12, 15 and 10. Solar flux is expected to moderately peak this weekend around 120 on both March 19 and 20, then 115 and 110 on March 21 and 22.

Remember that huge solar flare that occurred last November 4? Estimated at the time as an X28 flare, it now appears to have been more than twice as large as the previous record and has been adjusted upward to X45. See the report "Sun's massive explosion updated" on the BBC News World Edition Web site <<http://tinyurl.com/22tpk>>.

Sunspot numbers for March 11 through 17 were 67, 71, 61, 61, 49, 53 and 101, with a mean of 66.1. The 10.7 cm flux was 113.2, 107.5, 103.8, 102.5, 101.4, 109.6 and 109.8, with a mean of 106.8. Estimated planetary A indices were 26, 23, 15, 16, 13, 8 and 6, with a mean of 15.3.

(Editor's Note: I don't know the publication source of the following article. Thus, I can't properly credit it but I thought it was

worthwhile printing it. It was submitted by Hugh, N3SOQ)

Hospitals turn to shortwave radio

By SEAN O'SULLIVAN
Staff reporter
03/06/2004

To prepare for potential terrorist threats and other emergencies, Christiana Care has turned to technology from the dawn of the 20th century.

The health-care system is using shortwave radio, also known as ham radio, as an alternative communication system.

"If our usual routes of communication are damaged or inoperable for any reason, the amateur radio offers a backup method for maintaining contact with emergency management agencies, public health and other hospitals," said Dr. Robert A. Rosenbaum, chairman of the emergency management committee for Christiana Care.

Shortwave refers to radio signals 30 megahertz and below that have been popular with radio hobbyists for decades. The systems are in place at Christiana Hospital and Wilmington Hospital.

Interest in amateur radio as an emergency communication system has surged since the Sept. 11 terrorist attacks, experts said. New York City's communication system, including police and fire radios, and land-line and cell phones, was nearly shut down by the loss of a transmitter on the World Trade Center and the volume of calls that followed.

That has given new life to a technology many thought would be eclipsed by e-mail and cell phones.

John DiGiovanni, a Christiana Care employee and licensed ham radio

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(Continued from page 3)

operator, proposed they install the system. He said he has been fascinated by ham radio since he was a child. During Hurricane Andrew, DiGiovanni said he helped pass a message from a woman in a Red Cross shelter in Florida to relatives in Lancaster, Pa., to let them know she was OK.

"I have a radio room in my basement. When I'm not doing things for Christiana Care, I talk to people all over the world. I talk to people in countries you've never heard of, on remote islands and people just driving back from work," he said.

Ross Merlin, telecommunications manager with the Federal Emergency Management Agency, said the agency recommends amateur radio because it is a cheap, dependable, low-tech backup to modern communication systems.

A December report for the U.S. Department of Homeland Security said shortwave radio is an effective alternative. During a terrorism disaster drill involving 64 hospitals in Illinois, federal officials found the phone system was nearly overwhelmed by the demand for voice and data transmission and failed in at least one hospital. Ham radio was the only way one hospital was able to communicate.

The national association for amateur radio, ARRL, said its online training classes for emergency use of amateur radio have been filled to capacity, with up to 1,800 people a year completing the course since 2001.

Nationally, there are more than 637,400 licensed amateur radio operators, including nearly 1,300 in Delaware, spokesman Dan Miller said.

More than 20 amateur radio operators in the region have volunteered to be part of Christiana Amateur Radio Emergency Service. The hospital is looking for more volunteers.

RESEARCHERS RESCUED FROM ICY OUTPOST, SITE OF ROPA

A dozen Russian scientists were rescued March 6 from an Arctic research station near the North Pole that was nearly destroyed by what's being described as "a freak wall of ice." The North Pole Drifting Station SP-32 had been the site of the ROPA Amateur Radio operation.

Russian news media said helicopter teams facing frigid sub-zero conditions managed to reach the stranded researchers and saved all 12 explorers and two dogs. Hams around the world have reported working ROPA, for which DL5EBE is listed as QSL manager. The station's researchers reportedly were unharmed after being forced to huddle for three days in the remains of the outpost, some 450 miles from the nearest solid ground.

According to Russian TV reports, a wall of ice pushed up from the surrounding ice floe March 3. Little now remains of the scientific and educational facility, set up last April by the non-profit Center Pole organization with support from the Russian government and the Russian Academy of Sciences. It had been expected to remain in operation for several years.

Information on SP-32 is available on the Polus Arctic and Antarctic Expedition Centre Web site <<http://www.polus.org/cgi-bin/sborka.cgi?name=sp2003>>.

ARRL URGES "THOUGHTFUL, CONSIDERED COMMENTS" ON PROPOSED BPL RULES

Comments on the FCC Broadband over Power Line (BPL) Notice of Proposed Rule Making (NPRM) in ET Dockets 03-104 and 04-37 are due by Monday, May 3. The deadline for reply comments--comments on

comments filed by others--is Tuesday, June 1. The ARRL will comment by the deadline on the FCC's proposals to amend its Part 15 rules to adopt new requirements and measurement guidelines for so-called "Access BPL" systems that provide broadband access via electric utility power lines. ARRL CEO David Sumner, K1ZZ, says the League recommends that members read the NPRM and develop their own thoughtful, considered comments that specifically address the FCC's BPL proposals, reflect positively on the amateur community and, if possible, offer alternative recommendations. He asked amateurs to keep four things in mind, however.

"First, this is not a proceeding to 'permit' or 'authorize' BPL," he said. "BPL is already permitted under the existing Part 15 rules."

Second, Sumner pointed out, the NPRM reaffirms that licensed services must be protected from harmful interference and are not required to protect BPL systems. "This is good, but we can't take it for granted that the principle will be honored in practice," he said.

"Third," Sumner went on, "the NPRM proposes additional, new constraints on BPL to protect licensed services. The FCC did not go far enough, but at least the proposals aim in the right direction."

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)

Finally, while the League continues to believe firmly that BPL is "a very bad idea," arguing that the FCC should ban BPL "will not get us anywhere," he concluded. Instead, Sumner says, amateurs must document beyond any doubt the levels of protection that must be given to over-the-air services, then leave it for others to decide whether BPL is feasible within those limits. "We need to prove that the risk of interference is significantly greater than the BPL proponents say it is," Sumner said.

He also asserted that the FCC's proposed "interference mitigation" requirements fall far short of providing real protection from harmful interference, and that the Commission is ignoring the practical problems that will arise when Amateur Radio transmissions disrupt BPL systems.

Carrier current systems like BPL are subject to the FCC's Part 15 rules governing unlicensed devices, and the FCC has acknowledged that "amateur operations are likely to present a difficult challenge" to BPL deployment, especially in the case of hams --an estimated 150,000 of them-- who use high-gain antennas sited near power lines. The proposed rules remain silent on the issue of mitigating BPL interference to the estimated 70,000 Amateur Radio HF mobile stations.

Interference mitigation for mobile stations "is clearly impractical," Sumner asserted. "Since BPL systems operating at the present Part 15 limit

cause harmful interference to mobiles, the only solution is an absolute limit on radiated emissions that is lower than the present limit." He said the ARRL was in the process of determining scientifically what the limit must be. Sumner further noted that the NPRM does not mandate a publicly accessible BPL database to facilitate interference mitigation for fixed stations. In addition, the League wants the FCC to establish performance standards for BPL interference mitigation. "There must be severe enforcement penalties for failure to resolve a complaint in real time and for failure to maintain the database," he said.

The League encourages anyone, particularly radio amateurs, who has actually experienced BPL interference to file detailed comments documenting the interference. "BPL proponents claim they are not getting interference complaints," Sumner noted. "If we let them claim their systems are 'clean' when we know they aren't, shame on us."

Interested individuals and organizations may file comments via the Internet, using the FCC's Electronic Comment Filing System (ECFS) <<http://www.fcc.gov/cgb/ecfs/>>. In an unusual move, the FCC has added another docket number to the BPL proceeding. That could complicate filing comments and may lead to some confusion. Although the original FCC BPL Notice of Inquiry last April bore ET Docket 03-104, the recent BPL NPRM carries an additional docket number--ET Docket

04-37. The ARRL advises those posting comments to use the main ECFS page and file their comments on both proceedings--ET Docket 03-104 and ET Docket 04-37.

When submitting a comment or viewing filed comments, ECFS users should type "03-104" or "04-37" (without quotation marks but including the hyphen) in the "Proceeding" field of the ECFS on-line form. Do not use the NPRM's FCC document number when filing or searching for comments. The ECFS permits attaching a file containing detailed comments prepared off-line.

ARRL President Jim Haynie, W5JBP, will discuss the various implications of BPL with overnight radio talk show host Art Bell, W6OBB, on the Saturday, March 20, edition of the syndicated interview and call-in program Coast to Coast AM <<http://www.coasttocoastam.com/>>. Their interview is scheduled to air during the show's first hour (Sunday, March 21, 0600 UTC). The toll-free call-in number for Western US listeners is 800-618-8255. For Eastern US listeners it's 800-825-5033. First-time callers may use 775-727-1222. The "Wild Card Line"--for any caller--is 775-727-1295. The popular program, distributed by Premiere Radio Networks, airs live nightly from 10 PM until 2 AM Pacific Time on 430 stations and is available in every state. It's also available via the Web <<http://www.coasttocoastam.com/streamlink/about.html>>.

2004 Contest Calendar

Month	Contest
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
September	11 - 12 ARRL September VHF QSO Party 18 - 19 ARRL 10 GHz and Up Contest
November	6 - 8 ARRL November Sweepstakes (CW) 20 - 22 ARRL November Sweepstakes (Phone)



> 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>
- 18 Apr 2004 + York Hamfest Foundation York, PA
<http://www.yorkhamfest.org>
- 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

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.

No-Code Tech Classes, March 8 - May 24, 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	
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.

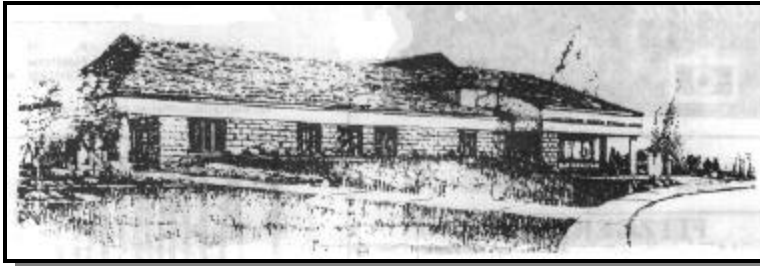
2004 Officers

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

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