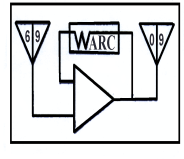




# FEEDBACK



Warminster Amateur Radio Club

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

September 2002

## Next Meeting September 5th - First Aid

### President's Message



The Willow Grove Joint Reserve Base Air Show is coming up on September 14 and 15. This is one event where our presence has definitely helped many people. If the weather is hot and sticky there will be a lot of people in need of medical help. Note that due to restrictions on base access after the air show starts it will be almost impossible to leave before it ends, so an all day commitment is needed. Steve Larson is coordinating volunteers and if you can help it will be greatly appreciated. You may contact him at [ww3y@k3dn.org](mailto:ww3y@k3dn.org).

Fall must be approaching because the activity on the Pennsylvania QSO Party email reflector is picking up. Every second full weekend of October brings Pennsylvania stations to the forefront of the contesting world. We become the focus of pileups. All you need is a basic HF rig and a simple dipole. You can leave the amplifier switched off! The Pennsylvania QSO Party is one of the most popular QSO party contests. It attracts participants from all over the world, and their looking for you. As a club, Warminster pools its member's scores into a club entry to compete against other clubs. This is a fun and easy contest to work either from home or portable. This year Jack Jones W3NTD has volunteered to gather up the club member's scores and submit them. Additionally, if you work 100 or more QSOs in the contest, you can get a customized mug. As always, if you submit your score through the club, we will pay for the mug. So mark the dates on your calendar (October 12 and 13) and join in for at least a few hours.

The National Shrine of Our Lady of

### September Special Events

- Atlantic City, NJ:** Southern Counties Amateur Radio Association, K2BR. 1400Z **Sep 16**-0400Z **Sep 22**. Miss America Special Event Station. 28.325 21.325 14.250 7.250. QSL. SCARA, PO Box 121, Linwood, NJ 08221.
- Rio Grande, NJ:** Cape May County Amateur Radio Club, N2CMC. 1400Z **Sep 21**-1800Z **Sep 22**. NAS Wildwood Museum 5th anniversary, in memory of 38 airmen who perished while training at air NAS Wildwood 1943-1945 and their ultimate sacrifice. 21.330 14.260 7.035. QSL. Cape May County Amateur Radio Club, PO Box 352, Rio Grande, NJ 08242.
- Belleville, MI:** Yankee Air Force Museum, W8YAF. 1200Z-2000Z **Sep 22**. WAF Founders' Day Open House. 7.270. Certificate. Frank A. Nagy, N8BIB, 24315 Waltz Rd, New Boston, MI 48164-1965.
- Fort Payne, AL:** DeKalb County ARC, W4GBR. 2200-0100Z daily **Sep 26-Sep 28**. VFW Agricultural Fair. 28.470 21.270 14.270 7.270 147.270. Certificate. KD4ADC, 2113 Dogwood Blvd NE, Fort Payne, AL 35967.
- Kingwood, WV:** Preston County Amateur Radio Operators, W8B. 1400Z **Sep 26**-0200Z **Sep 29**. 61st Annual Buckwheat Festival. 40, 20 and 10 m. Certificate. Richard V. Wolfe, KA8UEU, PO Box 512, Kingwood, WV 26537.
- Appleton, WI:** Military Veterans Museum, W9M. 2300Z **Sep 27**-0300Z **Sep 30**. Octobertfest to remember that freedom is not free. 28.380 21.380 14.280 7.280. Certificate and QSL. Fred Tegge, N9FT, PO Box 1805, Oshkosh, WI 54903.
- Middletown, NJ:** Middletown RACES, WC2ADW. 1600Z-2100Z **Sep 28**. Middletown Day. 14.227. QSL. Mario Sellitti, 36 Morningside Ave, Keansburg, NJ 07734.
- Pittsburgh, PA:** Breezeshooters Inc, K3BRZ. 1400Z-2200Z **Sep 28**. 50th anniversary--dedicated to promoting 10 meters. 146.88 28.350 21.350 14.250 7.250. Certificate. K3BRZ, PO Box 100158, Pittsburgh, PA 15233-0158.

Courtesy The ARRL Newsletter

### GET THE FEEDBACK ELECTRONICALLY AND SAVE THE CLUB MONEY!

The current costs of mailing a Feedback including the recent postage increase is \$8.04/year/member. That's \$804/year of savings if 100 members elected to receive Feedback electronically.

See Bud, K3TPM to remove you from the mailing list. You can then access the Feedback from the WARC website.

Czestochowa, 654 Ferry Road, Doylestown is holding its annual Polish - American Fair on August 31, September 1 & 2 and September 7 & 8. They have asked us to help with communications for the fair directors, medical and logistics. I know that this is short notice, but if you can help out on one of those days -- even if only for a few hours -- please contact Burt Ludin N3YVH at 215-441-4483 or [n3yv@k3dn.org](mailto:n3yv@k3dn.org). Finally I would like to thank Tony Simek for volunteering to coordinate the annual Holiday Dinner. As always I hope to see you at the next meeting! 73's,  
Mark Kempisty - N3GNW  
President

*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.*



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### Meeting Info

The September meeting will feature Donna Hurley, a Registered Nurse. Donna will be talking about First Aid and medical emergencies.

The November meeting is our annual ARRL night with Eric Olena, Atlantic Division Section Manager.

### Minutes of Warminster ARC August 1, 2002 Dave, AA3UR, Secretary

The meeting was called to order by the Mark, N3GNW. Mark's wife has upgraded her license. Congratulations! The minutes, as printed in Feedback, were approved. The club will not be participating in the Grange Fair, but is looking at a presence at Northampton Day and other local events. The Willow Grove Air Show is scheduled for 9/14/02 and 9/15/02. The Audit and Budget meeting produced a preliminary budget that is not yet complete. Mark will bring the completed budget to the next meeting.

WARC will meet the ARCC requirement that all repeaters use positive control PL tone earlier than expected due to interference. This will be effective the second week of August, 2002.

The WARC club participates as a club in two contests each year: The January VHF Contest and the PA QSO party. Jack Jones will organize the effort this year. Doc will help in the kitchen before and after the meetings. Burt is still looking for someone to organize the Holiday Dinner. Burt will be able to MC the dinner, but will not be able to do the rest of the work.

The next VE session will be 9/25/02.

Vice-President: Tony, N3YNH. Tonight's program, Being the DX! By Irwin, KD3TB. Upcoming programs will include one on first aid by an emergency nurse and in January, Carter

Cragie on QRP.

Treasurer: Vahan KB3DHU gave the treasurer's report.

Secretary: Dave, AA3UR, had only a for sale sheet to read.

Hamfest: Bill, K3ZMA needed a telephone with an answering machine for use with the hamfest. Mark, WA3QBU volunteered. Bill also was looking for printers for post cards fliers for next year's hamfest. This will reduce the mailing expenses dramatically. He will also be looking for a co-chair in the spring.

Repeaters:

The 440 repeater testing with the station master antenna produced an SWR <1.5 within 10 MHz. Return Loss 50 db in the commercial band and 20 db in the ham band. Using the repeater with one antenna is more critical. He will try it and see. It is 22 feet long, 10 feet higher, and 2 times the gain. He is using a Motorola MSF5000 to allow work on club repeater link receiver package. This will give us a voting receiver. No lightening protection or polyphasers on the antennas.

Two meters: The old antenna is 30 years old fed with 1/2" hardline. It will take \$400 to replace it, feed it with 7/8" hardline, and add ground kits and connectors. (This includes trading our 1 5/8" hardline for the 7/8" hardline.) Installation of antenna, 3 polyphasers will run approximately \$600.

A motion was introduced and passed unanimously to allocate up to \$1500, \$2000 if a new 440 antenna is necessary, to install the 2 meter antenna and repeater voting system for the 440.

Hugh, W3SOQ narrowed the tentative dates for Adopt-a-Highway clean up to August 18<sup>th</sup>. Meet at the Dinner at 7:00 AM and 8:00 at Wal-

Mart.

We will not participate at the Grange Fair this year. We will try next year with a special event station. We are looking into various township days. Northampton's Township Day is September 15, 2002 which conflicts with the Willow Grove Air Show. It will be held on Township Road from 10 AM to 5 PM.

The PA QSO Party will be held the second weekend in October (12-13). It runs Saturday from 1 PM to 1 AM and Sunday 9 AM to 5 PM. Mugs will be awarded to anyone who makes 100+ QSO's. Bands are 80-10 meters except WARC bands. The exchange is serial number and county. The club will ask for logs and enter for a club score.

Classes: No Code Technician classes will begin September 9, 2002 at 7:30 PM at the Senior Center. Tech night will start Tuesday September 17, 2002 at 7 PM. Sign up sheets will be available for those wanting to sign up for General Code, General Theory, and Extra Theory.

Mark, WA3QBU noted that we have 122 active members. There are still many badges to be picked up by members.

Old Business: We are still looking for an Elmer for Mike KE7YE.

Burt, N3YVH asked for operators to help at the Shrine of Czetchowa during their Polish American Fest August 31, September 1,2,7,8, 2002. Operators will get free admission and meal passes.

New Business: Willow Grove Air Show will run September 14 and 15, 2002. There will be a night show on the 13<sup>th</sup> limited to only those people who will be working the next two days. Because of heightened security concerns, volunteers will be limited to 25 people. There will be no relief operators. You will have to be on

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station for 11 hours. At present, the lineup will include 1 rover, 1 control. Meet at the Red Lion at 6 AM, shuttle into base at 7 AM, off base at 6:30 PM. We are still negotiating for box lunches and T-shirts. See Steve WW3Y, ww3y@k3dn.org if you can help.

The meeting was adjourned followed by refreshments, the 50/50 raffle, and the night's program on Being the DX!

David Porter AA3UR  
Secretary

## 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.

## Delaware Valley Radio Association, W2ZQ Hamfest

Rain or Shine  
Date: September 28<sup>th</sup>, 2002  
Location: NJ National Guard Armory, Eggers Crossing Road, Lawrenceville,

New Jersey  
Time: Vendor Load In 0600-0800,  
General Admission 0800-1400  
Fees: General Admission Per Person \$6.00  
Under 12 years old-free  
Tailgate Vendor \$10.00 (Includes 1 admission)  
Indoor Vendor \$15.00 (Includes 1 admission)  
Indoor Vendor Wall (electricity) \$20.00 (Includes 1 admission)  
Extra Table \$10.00  
For More Information: Glenn Costello, N2RPM, abbot0903@aol.com, (609) 882-2240, www.w2zq.com  
Talk In: 146.67 (-) 131.8

<<http://www.arrl.org/announce/regulatory/et02-135/index.html>>.

## Adopt-A-Highway

My thanks to those who turned out for the Adopt-A-Highway pick up on August 18  
Randy-N3LJE  
Tony-N3YNH along with his wife Paulette and their daughter Jessica .

Hugh, N3SOQ

## The K7VVV Solar Update

SEATTLE, WA, Aug 23, 2002 -- Last week this bulletin reported renewed solar activity, and this week the high activity continued. Average daily solar flux rose nearly 57 points from last week and 66 points from the previous week. Average daily sunspot numbers were up nearly 67 points from last week and over 76 points from the week before.

The sunspot number rose to 308 on Sunday, the highest value since late July when sunspot numbers reached a level not seen since March 2001. This activity was accompanied by energetic coronal mass ejections, which caused aurora and geomagnetic disturbances. The most disturbed days this week were Monday and Wednesday, when the planetary A index reached 27 and 41. On Wednesday when the A index was 41 we saw planetary K indices of 7. Seven was also the highest College K index measured in Alaska, and the College A index for that

day was 50.

Over the next few days geomagnetic activity should decline, with planetary A indices of 15, 20, 15 and 10 for Friday through Monday. Keep in mind that HF operators usually prefer the A index to be 10 or lower for really great conditions. Solar flux will also decline slightly, with Friday through Monday values of 215, 215, 210 and 210.

The days are getting shorter, and HF conditions should improve as we move toward the fall season. You can run some tests on seasonal variations using W6ELprop, available for free. For instance, looking at 10 and 15 meters on a path from Seattle to Japan for today with a solar flux of 215, 10 meters shows a D rating (small chance of propagation) with signals 16-18 dB above noise if open, and only from 2030 to 0300z.

15 meters varies from D to C to B and back to D over the 1900-0830z period, with the best bet from 2100 to 0500z (B rating). But now run the same path for a month later, and make a guess of a slightly lower 195 for the solar flux. On September 23 the Seattle to Japan path on 10 meters varying from D to B and back to D rating over the 2030 to 0530z period, with the best signals (B rated) from 2130 to 0230z and a couple dB hotter. 15 meters shows possible propagation from 1530-0700z, with an A rating from 2100-0430z. Try it yourself on various paths and dates to get a rough idea what the shorter days will bring. Sunspot numbers for August 15 through 21 were 281, 247, 270, 308, 247, 209 and 238, with a mean of 257.1. 10.7 cm flux was 210.3, 213.8, 226.7, 241, 237, 227.5, and 219.9, with a mean of 225.2. Estimated planetary A indices were 19, 17, 13, 18, 27, 23, and 41, with a mean of 22.6.

*Amateur solar observer Tad Cook, K7VVV Seattle, Washington, provides this weekly report on solar conditions and propagation. This report also is available via WIAW every Friday, and an abbreviated*

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version also appears in The ARRL Letter. Readers may contact the author via [k7vvv@arrl.net](mailto:k7vvv@arrl.net).

### **ARES assists Red Cross in California wildfire**

San Luis Obispo County, California, ARES members provided communications support to the American Red Cross July 15-16 after more than 100 people were evacuated from their homes during a wildfire in Los Padres National Forest. North San Luis Obispo County Emergency Coordinator Bob Alberti, W6TTX, issued a preliminary announcement on the countywide ARES repeater, asking ARES members to monitor for a possible callout. W6TTX also activated the North County ARES telephone tree. With 40 homes in the path of the fire, the California Division of Forestry (CDF) began evacuating residents to an emergency shelter at the Atascadero High School gymnasium the evening of July 15. ARES members took part in various activities during the three-day fire, which eventually burned some 1300 acres. Amateurs staffed the Red Cross shelter at the high school and the emergency communications center at the regional Red Cross office in San Luis Obispo--20 miles away and over a mountain range. ARES members also helped CDF and the county sheriff to redirect to the high school shelter a number of confused residents who sought refuge at the nearby Santa Margarita Elementary School, a shelter site during previous fires. One especially grateful couple from Arizona was able to return from the shelter to their evacuated RV about 10:15 the first evening, after hams notified the shelter that CDF had reopened that road.--submitted by James K. Palmer, W6FOB

*Courtesy The ARRL Newsletter*

### **No More Callbook**

The end of the line for Radio Amateur

Callbook: Radio Amateur Callbook is throwing in the towel and will cease publication of its CD-ROM Callbook product effective with its winter 2003 edition, which will come out in November. "Due to accessibility to the FCC database via the Internet, sales have declined to levels that make it unprofitable to publish future editions," publisher Bob Hughes announced in a recent news release. In 1997, citing "rising costs and increasing demand for electronic publishing" the company phased out its telephone-book-size paper North American and international editions in favor of its CD-ROM product. The 1997 Callbook--the 75th edition--was the last hard-copy version available. The Callbook began publishing in 1920.

*Courtesy The ARRL Newsletter*

### **MORE COSPONSORS SIGN ABOARD CC&R BILL HR 4720**

Additional cosponsors have signed aboard HR 4720, the bill in Congress aimed at providing relief to amateurs faced with private deed covenants, conditions and restrictions--CC&Rs--in erecting antennas. The list of 18 members of Congress who have agreed to cosponsor the measure includes two amateurs. They are Oregon Republican Greg Walden, WB7OCE--one of the two original cosponsors of HR 4720 with Texas Republican Pete Sessions--and Arkansas Democrat Mike Ross, WD5DVR.

Walden and Ross are believed to be the only Amateur Radio licensees in the US House of Representatives. The House now is in recess until after Labor Day.

Arkansas Section Manager Bob Ideker, WB5VUH, who ran into Ross at the Little Rock airport while both were waiting for flights, claims at least some credit for getting the Arkansas Fourth District

representative to sign onto the bill as a cosponsor. Ideker also has invited Ross--a Novice licensee and ARRL member--to visit some club meetings in his district.

New York Democrat Steve Israel introduced HR 4720--the "Amateur Radio Emergency Communications Consistency Act"--on May 14. The measure would require private land-use regulators--such as homeowners' associations--to "reasonably accommodate" Amateur Radio communication consistent with the PRB-1 limited federal preemption. PRB-1 now applies only to states and municipalities.

In addition to Walden, Sessions and Ross, the list of HR 4720 cosponsors now includes Representatives JD Hayworth (R-AZ), Patrick Tiberi (R-OH), Patsy Mink (D-HI), Ken Calvert (R-CA), Rick Boucher (D-VA), Joseph Hoeffel (D-PA), John Duncan Jr (R-TN), Dennis Moore (D-KS), Charles Stenholm (D-TX), David Price (D-NC), Bob Schaffer (R-CO), Sherrod Brown (D-OH), Bart Gordon (D-TN), Charles Taylor (R-NC), and Ralph Hall (D-TX).

Visit the US House of Representatives Write Your Representative Service Web page <<http://www.house.gov/writerep/>> for information on how to contact your representative. The ARRL requests those writing or e-mailing members of Congress--

### **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)*

whether or not they are supporting this legislation--to copy ARRL on their correspondence--via e-mail to [ccr-bill@arrl.org](mailto:ccr-bill@arrl.org) or via US Mail to CC&R Bill, ARRL, 225 Main St, Newington, CT 06111. Correspondents should include the bill number, HR 4720, as well as their name and address on all correspondence.

*Courtesy The ARRL Newsletter*

**HAM-LED TEAM ATTEMPTING TRANSATLANTIC MODEL AIRPLANE FLIGHT**

A team of model airplane enthusiasts led by Maynard Hill, W3FQF, is attempting a record-breaking crossing of the Atlantic by a model aircraft. A model plane dubbed "The Spirit of Butts Farm" was launched August 20 and was on its way to Ireland. Monitoring the flight, TAM-3, the third in a series, from Newfoundland, Canada, Hill's team reports the plane was last heard from August 21 at 0428 UTC. "We are still uncertain what happened," said a terse announcement on the team's Web site.

The Transatlantic Model Aircraft--or TAM--project is Hill's brainchild as the president of the Society for Technical Aeromodel Research. Hill and his design team have spent four years on the ambitious project. The TAM aircraft are hand-launched and

guided to an altitude of 1500 feet by radio remote control. Upon reaching that altitude, a sophisticated GPS-based autopilot system takes over. The aircraft sends periodic position reports to the flight team, and these are posted on the TAM Web site <<http://tam.plannet21.com/index.html>>.

The first two TAMs failed soon after launch. The last position report for TAM-3 indicated that it had completed better than one-fourth of its journey before contact with the airplane was lost. TAM-4 will be the final attempt--at least for now.

A successful flight would mark the first transatlantic crossing by a true model airplane--an aircraft weighing 11 pounds or less with an engine with no more than 10 cc displacement, as specified by the Federation Aeronautique Internationale (FAI) <<http://www.fai.org/>>. It would also set a new world record for straight-line distance by a radio-controlled, piston-powered model airplane.

More information on this historic effort is available on the TAM Web site <<http://tam.plannet21.com/index.html>>. An article on the flight appeared in the on-line edition of National Geographic <[http://news.nationalgeographic.com/news/2002/08/0805\\_020805\\_transatlantic.html](http://news.nationalgeographic.com/news/2002/08/0805_020805_transatlantic.html)>

*Courtesy The ARRL Newsletter*

**"The Big Project"**

Donations for "The Big Project" top goal: ARRL Chief Development Officer Mary Hobart, K1MMH, reports that donations from 3400 ARRL members to the Education and Technology Program--more commonly known as "The Big Project"--have nearly topped \$200,000--well beyond the original \$150,000 goal. Hobart said she was gratified to find the supportive notes that sometimes accompanied contributions. "The future of Amateur Radio may lie, in part, in the hands of educators who recognize the power of Amateur Radio and are eager to use it as a catalyst in the classroom, in enrichment classes and in after school programs," Hobart said. She also cited the teachers who already use Amateur Radio in their classrooms who now are helping ARRL to develop curricula and methodologies to ensure the national program's success.

**➤ 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

**2002 Contest Calendar**

<b>Month</b>	<b>Contest</b>
<b>September</b>	14 - 16 ARRL September VHF QSO Party
	21 - 22 ARRL 10 GHz and Up Contest
<b>October</b>	26 - 27 ARRL International EME Competition
<b>November</b>	2 - 4 ARRL November Sweepstakes (CW)
	16 - 18 ARRL November Sweepstakes (Phone)
	23 - 24 ARRL International EME Competition
<b>December</b>	6 - 8 ARRL 160 Meter Contest
	14 - 15 ARRL 10 Meter Contest



## ATLANTIC DIVISION HAMFESTS - 2002

➤ + *indicates ARRL Hamfest*

21 Sep 2002 + Delaware-Lehigh ARC Schnecksville, PA [www.dlarc.org](http://www.dlarc.org)  
 5 Oct 2002 + Red Rose Repeater Association Brownstown (Lancaster County), PA [www.qsl.net/rrra](http://www.qsl.net/rrra)  
 13 Oct 2002 + Hamarama 2002 Mt. Airy VHF Radio Club Wrightstown, PA [http://www.ij.net/packrats/Hamarama2002/Hama\\_02.html](http://www.ij.net/packrats/Hamarama2002/Hama_02.html)  
 20 Oct 2002 + RF Hill ARC Sellersville, PA <http://www.rfhill.ampr.org>

### CONVENTIONS and CONFERENCES

7-8 Sep 2002 Maryland-DC Section Convention  
 Columbia ARA & Foundation for Amateur Radio West Friendship, MD  
[www.fall-fest.com](http://www.fall-fest.com)

*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 2002 test fee is **\$10.00**.

- ◆ **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**, Monthly, 1st Thursday - 6:00 pm Philmont Mobile Radio Club at the Franklin Institute Dusty Rhoads, ND3Q, 215-482-0386



### 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, Sept. 9 7:30-9:00**  
**At The Benjamin Wilson Senior Center**  
**580 Delmont Avenue, Warminster, PA**

For info. [altemus@gac.usa.com](mailto:altemus@gac.usa.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
146.685	Holmesburg
146.925	Willingboro
147.000	Ham Buergers
147.030	Phil-Mont
147.090	Warminster
147.165	Delmont R.C.
147.270	Frankford
147.300	BEARS
147.390	CBRA
145.330	Hilltown
<b>220</b>	
224.580	PackRats
UHF	
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
<b>6 Mtr</b>	
53.030	WA3BXW
53.230	N3DQZ
53.370	K3MFI
<b>1296</b>	
1294.100	K3PHL (PL 127.3 as needed)

### 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@comcat.com**
- Or via snail mail to:  
**FEEDBACK EDITOR**  
Warminster Amateur Radio Club  
Box 113  
Warminster, Pa 18974
- Use both upper and lower case letters.
- Use your program's spell check.
- If you don't have a computer, then typewritten sheets are o.k, but please use both upper and lower case.
- Put your name and call at the beginning or end of the article, and show credits if you are using material from another source.
- Deadline for articles is the Thursday after the Club meeting.
- Volunteers are needed for folding at the Board Meeting, Ben Wilson Center, last Thursday of the month, 7:30 PM.

*Bucks Bagels*  
1179 York road (RT. 263)  
Warminster, PA  
674-1400

*"Home of the fresh, not frozen dough"*

The annual dues rate structure is as follows:

**Full Member: \$ 20.00**  
**2nd Family Member: \$ 10.00**  
**Student: \$ 10.00**  
**Alumni: \$ 8.00**  
**12th grade or under: \$ 5.00**

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

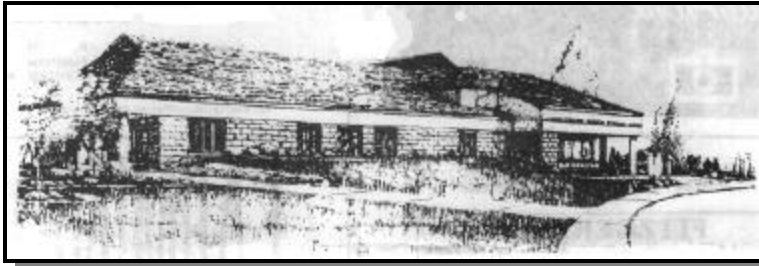
**2002 Officers**

Executive Officers

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

Committee Chairpersons

Feedback Editor	Jim Elmore	WA4YWM	538-1889
Membership co-Chair	Bud Bechtel	K3TPM	659-9093
Membership co-Chair	Mark Hinkel	WA3QVU	6594449
Field Day '03	Doc Whitticar	W3GAD	968-0641
Field Day '03 co-chair	Stu Simon	K2QBU	345-9295
Grange Fair '03	Frank O'Neill	N3UQP	699-9549
Grange Fair '03 co-chair	Doug Crompton	WA3DSP	
Hamfest '03	Bill Strunk	K3ZMA	882-0749
January '03 VHF Contest	Joe Bagnick	N3EMA	997-2539
PA QSO Party '02	Jack Jones	W3NTD	
Picnic '03	Mark Kempisty	N3GNW	953-1493
Adopt-A-Highway	Hugh Hart	N3SOQ	773-8451
Archives	Frank O'Neill	N3UQP	699-9549
Alumni Coordinator	Randy Gehman	N3LJE	822-9473
ARES Liaison	Mike Patton	W3MJP	491-9665
ARRL Liaison	Kristina Pistilli	KB3ECW	572-5330
Awards Mgr.	Vince Pironti	KD3TC	674-0446
Classes	George Altemus	KA3WXV	855-3856
DXpedition	Doc Whitticar	W3GAD	968-0641
Special Interest Groups	Ron Wenig	NY3J	638-9257
CW/QRP co-chair	Marty Squicciarini	NR3Z	393-1492
Digital/APRS co-chair	Ron Wenig	NY3J	638-9257
FM/Repeater co-chair	Mark Hinkel	WA3QVU	659-4449
HF co-chair	Dennis Shegda	N3KRE	657-7283
Satellite co-chair	Joe Bagnick	N3EMA	997-2539
VHF/UHF/MW co-chair	Al Sheppard	N3ITT	610-847-5490
Emergency Coordinator	Stu Simon	K2QBU	345-9295
Fundraising	Erik D'Onofrio	N3YNX	675-9165
Hamwear	Bob Wilderman	K3SRO	822-7474
Holiday Dinner co-chair	Berni Lindinger	N3RJD	343-5249
Holiday Dinner co-chair	Doug Mahoney	N3RJE	343-5249
Interference	Tom Michaud	WA3TQJ	343-3494
Net Manager	George Brechmann	N3HBT	443-5656
Notary Public	Whitey Metzger	AA3FT	947-0843
Publicity	Alan Ash	KA3YCG	357-9286
RACES Liaison	Bob Phillips	KA3VKU	766-0456
Refreshments	Randy Gehman	N3LJE	822-9473
Refreshments	Doc Morein	KA3RAU	
Repeater Coordinator	Brian Taylor	N3EXA	257-6303
SKYWARN Liaison	Mike Patton	W3MJP	491-9665
Station Trustee	George Brechmann	N3HBT	443-5656
Sunshine Club	Vince Pironti	KD3TC	674-0446
Township Liaison	George Brechmann	N3HBT	443-5656
VE License Testing	Tom Michaud	WA3TQJ	343-3494
WEB Site Coordinator	Al Konschak	WI3Z	491-9941
Youth Programs Co-Chair	Al Folsom	KY3T	343-8851
Youth Programs Co-Chair	Steve Larson	WW3Y	822-1511

**Club Station****Meetings****Talk To Us**

The Club Station - K3DN - is located at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. The station is open for club members and the interested general public on non-holiday Tuesday evenings from 7 to 9 pm . The station is fully operational on HF (80 meters through 10 meters ) both phone and CW. There is an assortment of amateur radio shareware which may be copied under the shareware licensing agreement.

For additional information on the Club Station please call the Station Manager N3HBT - George at 215-443-5656.

- WARC Meetings are held the first Thursday of each month at 7:30 pm at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. Talk in is available on the 147.09 & 443.950 repeaters.

**APRS on 144.390**

K3DN is also operating APRS on 144.390

**Internet Connection**

For general club correspondence:  
k3dn@k3dn.org

**For Feedback articles:**

wa4ywm@comcat.com

**Visit our Home Page on the WWW:**

<http://www.k3dn.org>

**Federal Communications  
Commission**

1270 Fairfield Road  
Gettysburg, PA 17325

***License Information***

800-322-1117 - M-F 0800-1630

***Fax-On-Demand 202-418-0177***

**FEEDBACK**

Warminster Amateur Radio Club  
Box 113  
Warminster, Pa 18974

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