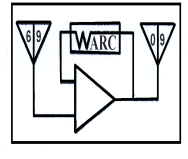




# FEEDBACK



Warminster Amateur Radio Club

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

August 2003

## Next Meeting August 7th - Communicating on the PA Turnpike

### President's Message



As emergency communications go I see Amateur Radio as providing three specific abilities that are unmatched in any other system. They are:

- 1) We like to play with radios and we all like to do the best we can with whatever equipment we have. Its not something shoved in our hand at the last minute. Thus we are experienced in using our equipment and in fulfilling our likely roles in an emergency requiring our expertise.
- 2) With all of our Amateur Radio equipment, we have defense in depth. The odds of a calamity wiping every piece of Amateur Radio gear out in just this region are astronomical. However, while there is redundancy, that depth is not there in public systems. New York City lost its entire Emergency Operations Center in the World Trade Center attacks as well as its main transmitters for emergency services. We have much equipment to fall back on to as well the knowledge to get it back on the air.
- 3) Finally in an emergency we have a multitude of different makes and models of equipment that can inter communicate. If ABC radio model XYZ123 has a short battery life, DEF radio UVW456 likely has a great battery save circuit and we won't all go dead within 15 minutes of each other. Unfortunately, a public system tends to many of the same model radio. While this aids in familiarity, any technical shortcomings are common to all of these radios which could be problematic in an emergency situation.

If your wondering why I got up on a soap box, its because I recently

### August Special Events

**Oshkosh, WI:** Fox Cities Amateur Radio Club, W9ZL. 1400Z **Aug 1-2100Z Aug 3.** Experimental Aircraft Association Airventure & Fly-In Convention. 28.425 14.243 14.085 7.243. Certificate. Wayne Pennings, WD9FLJ, 913 N Mason, Appleton, WI 54914.

**Canton, OH:** Canton Amateur Radio Club, W8AL. 1200Z **Aug 1-0300Z Aug 4.** Annual Pro-Football Hall of Fame Festival 40th Anniversary. 28.365 21.365 14.265 7.265. Certificate. Donald E. Perry, WQ8J, 968 Culverne Ave NW, Massillon, OH 44647.

**Barnegat Light, NJ:** Old Barney ARC, N2OB. 1300Z-2300Z **Aug 2.** National Lighthouse Activity Weekend (Lighthouse USA -039). 14240 7240 146.835. QSL. Old Barney ARC, N2OB, PO Box 345, Tuckerton, NJ 08087.

**Hawley, PA:** Science Camp Watonka, KB3BUM. 1330Z-2130Z **Aug 2.** 6th Annual Special Events Station. 28.440 21.340 14.240 7.240. Certificate. Camp Watonka, PO Box 127, Hawley, PA 18428.

**Maryland Line, MD:** Social Security Employees' ARC, W3SSA. 1300Z-2100Z **Aug 9.** Celebrating 68th anniversary of the Social Security Act. 28.375 21.375 14.275 7.275. Certificate. Greg Stec, 1624 Pickett Rd, Lutherville, MD 21093.

**Muskegon, MI:** Muskegon Area Amateur Radio Council, W8ZHO. 1400Z **Aug 9-2000Z Aug 10.** Huntington Harborfest Tall Ships Challenge. 28.350 21.300 14.265 7.265. Certificate. MAARC, PO Box 691, Muskegon, MI 49443.

**Pikes Peak, CO:** Colorado VHF Group, K0YB. 1500Z-1800Z **Aug 10.** Colorado 14er Event... mountaintop radio operating. 147.42 28.350 21.330 14.260. QSL. Bob Witte, 21060 Capella Dr, Monument, CO 80132. <http://www.colorado14erevent.org/>.

**Hathoro, PA:** Warminster Amateur Radio Club, K3DN. 2100Z **Aug 13-2100Z Aug 17.** 225th Anniversary of the Battle of Crooked Billet. 21.280 14.280 7.180 3.880. Certificate. Warminster Amateur Radio Club, Box 113, Warminster, PA 18974.

**Jamestown, NC:** Tri-County ARC, NC4AR. 1400Z-1800Z **Aug 16.** Club 5th Anniversary and Tribute to Silent Keys. 14.279 7.268. QSL. NC4AR, PO Box 747, Trinity, NC 27370.

**Buffalo, NY:** Western NY DX Association, K2L. 1600Z **Aug 16-1800Z Aug 17.** Lighthouse Weekend Event. 21.020 14.020 7.020 3.520. QSL. Robert Nadolny, PO Box 73, Springbrook, NY 14140.

**Fire Island National Seashore, NY:** Great South Bay ARC, W2GSB/LH. 1400Z **Aug 16-1900Z Aug 17.** International Lighthouse/Lightship Weekend. 28.460 21.320 14.260 7.260. QSL. W2GSB/LH, PO Box 1356, West Babylon, NY 11704.

**Hudson River, New York City, NY:** USS *Intrepid* Association and Bucks-Lehigh UHF Repeater Association, WA3KEY/2. 1600Z **Aug 16-0100Z Aug 17.** 60th Anniversary of the aircraft carrier USS *Intrepid* CV-11. 28.575 21.375 14.275 7.240. Certificate. Norman Drechsel, WA3KEY, PO Box 498, Quakertown, PA 18951. [www.wa3key.com/events.html](http://www.wa3key.com/events.html).

**Tuckerton, NJ:** Old Barney ARC, W2T. 1300Z **Aug 16-2100Z Aug 17.** Lighthouse Activity from Tucker's Island Lighthouse USA -911. 146.835 14.240 14.030 7.240. QSL. Bob Schenck, N2OO, PO Box 345, Tuckerton, NJ 08087.

**Vineland, NJ:** Amateur Radio Lighthouse Society, W2L. 1300Z **Aug 16-2000Z Aug 17.** International Lighthouse/Lightship Weekend. Sat SSB 21.285 14.270; Sun CW 21.035 14.035; 40 m as necessary. QSL. John L. Sielke, 1353 Samuel Dr, Vineland, NJ 08360.

**Hanover, KS:** Crown Amateur Radio Association, K0ASA. 1400Z-2100Z **Aug 31.** Hollenberg Pony Express Station Festival. 18.085 14.245 14.040 7.125. Certificate. Crown Amateur Radio Association, 11551 West 176th Terr, Olathe, KS 66062.

**Parsons, WV:** Mountain State Transmitters, K8VNQ. 1400Z-2100Z **Aug 31.** Annual Tucker County Hick Festival. 14.270 14.050 7.235 7.050. Certificate. Mountain State Transmitters, PO Box 1492, Elkins, WV 26241.

Courtesy The ARRL Newsletter

received some sad news from Steve Larson WW3Y. The Willow Grove Naval Air Station has decided not to use Amateur Radio for its medical net this year. The Navy feels that their personnel with Montgomery County supplied radios will be sufficient for all the functions we have traditionally helped with. As backup key personnel will be equipped with Nextel phones. Steve did recommend that they train their staff heavily in the use of these radios and in operations with the security and fire staff. He

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*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)

also recommended ear pieces for all radios during flight operations. A key detail we learned years ago.

I pray and hope that the weather cooperates and that there are no calamities at the air show this year. When the show was held in the hotter months I remember the large number of people who fell victim to the heat and how busy the medical net was. I was stationed with the Cushman driver one year and it was so bad, that anytime he saw me pulling the speaker mike to my ear he was getting the medics together. Steve was right in recommending heavy training.

So this means we will have the Air Show weekend free to either see the show or help at the Polish-American festival; details of which are available from Burt Ludin N3YVH.

I hope to see you at the next meeting.

Mark Kempisty - N3GNW  
President  
Warminster Amateur Radio Club

**Minutes of Warminster ARC**  
**July 3, 2003**  
**Dave, AA3UR, Secretary**

Mark, N3GNW, called the meeting to order. Ellen, AA3AI joined us as a guest. The minutes were approved as printed in Feedback. The Board will solicit user comments on the several generators it is considering. Field Day went on without a hitch this year and had particularly good food. Let Bud, K3TPM, know if you need to change any personal information in the club directory. You can also update this information on line. An MC is needed for the Holiday Dinner meeting in December.

Vice President: Tony, N3YNH:  
Upcoming programs for the next few meetings are:  
Rick Lamb (HRO) on Digital Radio  
Medical director for PA Task Force about Air Show.

**PA Turnpike Commission**

Vahan, KB3DHU, presented the Treasurer's report.

Stu, K2QBU, reported on Field Day. We had good weather, good antennas, and good food, 2734 QSOs, 4234 points, and everyone did a great job. Thanks again to the Shrine for the tents.

George, N3HBT, reported on Public Service activities. July 26, the Hatboro *Moonlight Memories* Car show will need 10 to 12 operators. August 13 through 17, there will be a special event station at the Grange Fair, and the Polish American Festival at the National Shrine of Czestochowa. Volunteers are needed each day from 11AM until 7PM August 30, 31, Sept 1,6,7.

Bud, K3TPM, reported that we have 120 active members. Membership Badges are available for many members who haven't yet picked them up.

Brian, N3EXA, reported that the repeater is working with a little more power and is not linked for the time being. We are waiting for the beta version of the link controller firmware upgrade.

Bill, K3ZMA said that flyers for the 2004 hamfest are available if anyone wants to take a few to advertise our hamfest. Two people are needed: A Public contact person (you need a phone and an answering machine) and a vendor contact person, (email will suffice).

The Board is still going over the latest updates to the constitution.

The meeting was adjourned followed by refreshments, 50/50 drawing, followed by the program.

David Porter AA3UR  
Secretary

**Meeting Info – Tony Simek, VP**

August is Culley Phillips from the PA Turnpike Commission.

September is Rick Lamb from HRO doing "Digital, Digital".

October - Emergency Preparedness: PA Task Force One.

**Public Service**

August 30, 31 and Sept 1, and the following Weekend, Sept. 6 & 7 Polish American Festival, at the National Shrine of Czestochowa. Volunteers are needed each day from 11:00am until around 7:00pm. Help is needed with communications at the gates, and as shadows for the police chief, directors, parking, and information both and other key positions that facilitate the event. I am asking those hams that are available to help to please contact me by phone (215) 441-4483 or E-mail: Burt Ludin <N3YVH@k3dn.org> Volunteers will also receive meal passes (tickets) that may be used as you wish. You will also get free admission to the festival.

Monday, October 13 we will need 10 operators for the Warminster parks and recreation hole-in-one golf outing at the 5 ponds golf course. A hot meal will be served after the event. Saturday, October 18 we will need at least 15 hams to staff the Warminster Day gala at the old NADC property. If you can help out with any or all of the public service events, please contact George N3HBT at (215)-443-5656 or e mail at n3hbt@juno.com

**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,

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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.

## **Interesting web site**

[www.mods.dk](http://www.mods.dk)

This is a web site to modify most ham radios to work in the new 60 meter band as well as other interesting mods. 73 George N3HBT

## **SOLAR UPDATE**

Heliophile Tad "Sunshine of Your Love" Cook, K7RA, Seattle, Washington, reports: Geomagnetic activity settled down over the past week. The average daily planetary A index dropped by nearly half from the previous week, from 29.1 to 16.1. Average daily sunspot numbers went up from 140 to 195.3, and average daily solar flux rose from 125.6 to 147.7.

Solar flux declined from Wednesday to Thursday, July 23 to 24, from 144.1 to 129.2. Predicted solar flux for Friday through Monday, July 25 to 28 is 120, 125, 125 and 130. Planetary A indices for those same days is predicted at 12, 15, 12 and 15 but is expected to rise next week to between 20 and 25.

Sunspot numbers for July 17 through 23 were 189, 193, 178, 224, 219, 200 and 164, with a mean of 195.3. The 10.7-cm flux was 138.7, 139.7, 146, 157.3, 155.6, 152.5 and 144.1, with a mean of 147.7. Estimated planetary A indices were 22, 14, 26, 19, 12, 9 and 11, with a mean of 16.1.

*Courtesy The ARRL Newsletter*

## **WHAT TO DO ABOUT THE MORSE REQUIREMENT POST-WRC-03?**

World Radiocommunication Conference 2003 (WRC-03) made optional the requirement to prove the ability to send and receive Morse code to operate below 30 MHz. While Morse exam elements remain on the books in the US, Canada and elsewhere, Switzerland and the United Kingdom have apparently become the first countries to delete their Morse requirements for HF operation. In the US, however, the FCC is unlikely to act on its own motion to simply make the Morse testing requirement go away.

"There isn't an exception in the Administrative Procedures Act that I am aware of that would permit the Commission to issue an administrative fiat changing the license structure or exam-requirement rules," said an FCC staffer who's closely involved with Amateur Service rules. Other countries can do this because they have different laws and procedures, the FCC staff member observed, adding that even if it could be done here, "that still leaves unanswered the fundamental question: What do you want the new rules to be?"

In its December 1999 Report and Order restructuring Amateur Radio licensing, the FCC stopped short of revising the rules to sunset the Morse

requirement automatically if WRC-03 deleted Morse proficiency from the international Radio Regulations. The FCC also acknowledged "a clear dichotomy of viewpoints" on the Morse code issue within the amateur community.

The ARRL's policy for several years has been that Morse should be retained as a testing element in the US. At its July 18-19 meeting in Connecticut, however, the Board said it would solicit and review input from members on the Morse testing requirement and other possible revisions to Part 97 arising from WRC-03.

The first move on the Morse code question in the US is for someone to file a Petition for Rule Making with the FCC seeking a rule change. No Code International (NCI) <<http://www.nocode.org/>> has spearheaded the battle to eliminate the Morse requirement and would be a likely organization to file such a petition. NCI Executive Director Carl Stevenson, WK3C, said late last week that NCI was still studying the matter and had not yet made a final decision on a plan of action. An ARRL member, Stevenson says he hopes personally that the League would join NCI in actively encouraging the FCC to eliminate the Morse exam element as soon as possible.

Hopes for a quick resolution to the Morse question could be wishful thinking, however. Once a petition to drop the Morse exam element is filed, the FCC will put it on "public notice" by assigning an RM number and soliciting comments. If more than one such petition is filed, the FCC is obliged to invite comments on each. When that process is completed, the FCC may determine that a Notice of Proposed Rule Making (NPRM) is in order. The Commission at that point could incorporate all Morse-related rule making petitions into a single proceeding. The NPRM would

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get a docket number, and the comment process would begin anew.

Further complicating and extending the process, the FCC most likely would incorporate other pending Amateur Radio-related issues into the same NPRM. At the end of the comment and reply comment periods, the FCC would issue a Report and Order (R&O) that includes its decision on the Morse code requirement and any other issues incorporated into the proceeding. The whole process could take a couple of years, perhaps longer.

Ratification of the WRC-03 Final Acts by the US Senate does not appear to be necessary before the FCC can act or begin the rule making process. Following World Administrative Conference 1979 (WARC-79) which resulted in three new HF amateur bands, the FCC acted in 1982, prior to Senate ratification of the conference's Final Acts, not only to initiate the rule making process but to give amateurs limited access to 30 meters.

Radio Amateurs of Canada has advised hams in that country that the Morse qualification requirement remains in effect for operation below 30 MHz, "pending a review by Industry Canada of the impact of the WRC-2003 regulatory changes on the Canadian radio regulations, policies and procedures."

*Courtesy The ARRL Newsletter*

### **TWO RECENT IRAQ WAR CASUALTIES WERE AMATEUR LICENSEES**

Two of the most recent casualties of the war in Iraq were Amateur Radio licensees. According to an Associated Press report, Specialist Jon Fettig, KC0HSQ, of Dickinson, North Dakota, died July 22 in an ambush on a road some 50 miles north of Baghdad. Another soldier from Fettig's Army National Guard unit was wounded in the attack. Both belonged to the 957th

Multi-Role Bridge Company based in Bismarck. Fettig, 30, a member of an engineering unit in Dickinson, had volunteered to fill a vacancy in the Bismarck company to bring it up to full strength. A Guard member for some 11 years, Fettig died at the scene of the ambush.

On July 23, Nadisha Yassari Ranmuthu, 4S7NR--an international Red Cross aid worker from Sri Lanka--was shot and killed and his Iraqi driver wounded after their vehicle, marked with the Red Cross emblem, came under fire south of Baghdad. Ranmuthu, 37, a communications engineer for the International Committee of the Red Cross (ICRC), reportedly died instantly. The Red Cross has 850 staffers now working from eight bases in Iraq. Ranmuthu was there to install communications equipment at Red Cross offices and to help train Iraqi operators to use it, news accounts said.

*Courtesy The ARRL Newsletter*

### **HAMS AID CLAUDETTE RELIEF, CLEANUP EFFORTS**

Amateur Radio Emergency Service (ARES) teams and other ham radio volunteers continue to aid relief organizations in Texas in the aftermath of Hurricane Claudette. The Category 1 hurricane surprised the Texas coast July 15 by its earlier-than-predicted arrival and its unexpected ferocity. Winds were reported at 80 to 85 MPH, and at least two people died as a result of Claudette's fury. ARRL South Texas Section Manager Ray Taylor, N5NAV, says solar weather hampered Amateur Radio emergency and relief traffic via HF nets.

"Communications have really been bad due to solar flares," Taylor said earlier in the week. "We're using relays out of Mississippi and Alabama." Taylor also praised the hams who volunteered and pointed out that some were on duty for more than 20 hours at a stretch. Taylor said the ARES station at the

Texas State Emergency Operations Center went on the air July 13. ARES volunteers have been helping the Southern Baptist Convention Men's Kitchen, the American Red Cross and The Salvation Army relief efforts. An FCC-declared general communications emergency for the Texas coastal area for 7285 kHz (days) and 3873 kHz (nights) was rescinded July 17.

South Texas Section Emergency Coordinator Bob Ehrhardt, W5ZX, says 176 ARES members contributed to the storm response in South Texas. The Western Gulf Emergency Net activated from July 13 as Claudette headed for the Texas coast and shut down July 17. Emergency operations centers and several county emergency coordinators used the net to provide weather and damage reports from their areas.

The Salvation Army Team Emergency Radio Network (SATERN) relied on Amateur Radio HF and VHF communications to support its shelter and canteen operations in the afflicted areas. Ehrhardt says ARES volunteers used VHF to assist The Salvation Army and the Red Cross.

The Nacogdoches Amateur Radio Club earlier this week interconnected repeaters and concerned agencies using EchoLink to aid in the relief effort. Deep East Texas SKYWARN Coordinator Kevin Anderson, KD5CCH, said the

### **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)*

system tied together the National Hurricane Center, the National Weather Service, the Texas Department of Public Safety and most coastal emergency operations centers, making it easy for ham radio storm spotters to provide first-hand reports to forecasters. At the height of the storm, NARC Public Information Officer Tim Lewallen, KD5ING, said, traffic was "almost constant" on the link--dubbed WX\_TALK--mainly between the National Hurricane Center and field observers.

Claudette sparked some thunderstorms and heavy rains in already rain-soaked portions of South Texas. Property damage in coastal communities was greater than had been expected and included beach erosion, undermined foundations and roadways and roofs blown away, Taylor said. "Galveston was hard hit with houses along the coast very heavily damaged." Many residents had fled in advance of the storm's arrival.

Taylor said power and telephone service was knocked out in nearly all areas along the coast from Galveston to 20 miles north of Corpus Christi--and some residents remained without electricity or phone service by week's end. According to Taylor, the area from Matagorda. to Calhoun counties suffered the worst damage. "Hams have been the only communication and still are in most of the areas," he added.

The storm inflicted heavy damage and caused power and telephone outages

in the City of Victoria, Taylor reported. "The EOC had no power and operated on batteries with hams radio as the only outlet," Taylor said. When the backup power failed District Emergency Coordinator Larry Barton, WB5NIC, re-established communication via his HF mobile rig.

While Claudette was still in the Gulf of Mexico, the Hurricane Watch Net (HWN) and WX4NHC at the National Hurricane Center activated to gather observed or measured weather data and storm damage reports to aid forecasters.

*Courtesy The ARRL Newsletter*

**Harmonics Web Pages**

Harmonics Web pages open up the possibilities of ham radio for youngsters: An eight-year-old kid's first crystal set, built with the help of his grandfather. Hearing radio signals without electricity. That was how many veteran Amateur Radio operators were introduced to the magic of radio in past eras. The new century offers many avenues --including the Internet--through which youngsters can experience the same magic. With that in mind, ARRL Field and Educational Services introduces the Harmonics Web pages <<http://www.arrl.org/FandES/ead/youth/>>. "The mission of the new Harmonics kids' pages is to expose children to the possibilities of Amateur Radio, not clobber them over the head with a pile of technical information," said

Educational Programs Coordinator Jean Wolfgang, WB3IOS. The Web pages currently feature the first of a number of age-appropriate activities for kids. Web visitors can play games, download informative printouts to color, read news articles about other kids involved with ham radio, work puzzles, click on live links, listen to audio samples of Morse code and space station contacts and much more. Throughout the site, kids are greeted by colorful cartoon "hamsters" who explore the world of Amateur Radio along with the young people visiting the site. The pages target kids aged 5 to 15. Harmonics invites them to get acquainted with the basic concepts of Amateur Radio through immediate personal interaction and by discovering how other kids are using ham radio for personal communication and to expand their exploration of science and technology. Wolfgang says Harmonics will include more games and a QSL card template with drag-and-drop interactive design in the near future.

*Courtesy The ARRL Newsletter*

➤ **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

**2003 Contest Calendar**

<u>Month</u>	<u>Contest</u>
<b>August</b>	2 - 3 ARRL UHF Contest 16 - 17 ARRL 10 GHz and Up Contest
<b>September</b>	13 - 15 ARRL September VHF QSO Party 20 - 21 ARRL 10 GHz and Up Contest
<b>November</b>	1 - 3 ARRL November Sweepstakes (CW)  15 - 17 ARRL November Sweepstakes (Phone)



## ATLANTIC DIVISION HAMFESTS - 2003

➤ + *indicates ARRL Hamfest*

10 Aug 2003 + Carroll County ARC Westminster, MD  
<http://www.qis.net/~k3pzn>  
 24 Aug 2003 + Hanover Area Hamming Association Hanover, PA  
<http://www.qsl.net/haha>  
 6 Sep 2003 + Eastern PA ARA & Pocono ARK Bartonsville, PA  
 13-14 Sep 2003 + York Hamfest Foundation York, PA  
<http://www.yorkhamfest.org>  
 20 Sep 2003 + Delaware-Lehigh ARC Schneeksville, PA  
<http://www.dlarc.org>

### CONVENTIONS and CONFERENCES

6-7 Sep 2003 \* Maryland/DC Section Convention  
 Foundation for Amateur Radio & Columbia ARA West Friendship, MD

*73' de Bernie Fuller N3EFN, Director Atlantic Division ARRL*

## V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must bring two forms of positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC'S 2003 test fee is **\$12.00**.

- ◆ **Warminster Amateur Radio Club**, Monthly, Last Wed. 7:00 pm - Tom Michaud, WA3TQJ, 215-343-3494.
- ◆ **Bellmawr, NJ**, Monthly, 3rd Thursday - Bill Helmatag - 609-546-7710.
- ◆ **Levittown, PA**, Monthly, 1st Saturday - George LeNoir, WR3B, 215-943-4886.
- ◆ **Telford, PA**, Monthly, 3rd Monday - Joe Burgess, W3PNL, 215-723-6697.
- ◆ **Philadelphia, PA**, NE Philadelphia, Pa. Monthly; 1st Thursday - 6:00pm. Philmont Mobile Radio Club at Space Research Center (SPARC) Northeast High School Cottman and Glendale Aves. (Enter the SPARC wing from Glendale Av., opposite Teesdale St.) - Dusty Rhoads, ND3Q, 215-482-0386 Or 215-879-0505. No exam in July or August.



### The Warminster Amateur Radio Club Announces Free Ham Radio Instructional Classes

If you're interested in Ham Radio, or think you might be, this is your opportunity. Perhaps you'd like to learn about digital communications, Morse code, VHF, UHF, satellite, or perhaps you'd rather sit down and chat with someone in South Africa, Russia, Great Britain or in the space shuttle.

We'll help you learn the theory and practices that make for a most enjoyable hobby. There's no telling just how far you'll go unless you make the first move and give yourself a chance to explore the world.

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

### 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

## 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 Buegers
147.030	Phil-Mont
147.090	Warminster
147.165	Delmont R.C.
147.270	Frankford
147.300	BEARS
147.390	CBRA
145.330	Hilltown
224.580	PackRats
UHF	
443.250	TAG
443.050	Metro-Comm
443.950	Warminster
444.200	BEARS
449.325	KA3W XV
447.475	WR3B
447.625	WE3E
448.225	Penn Wireless
6 Mtr	
53.030	WA3BXW
53.230	N3DQZ
53.370	K3MFI
1296	
1294.000	K3PHL (-20 MHz split)
1295.000	K3PHL (-20 MHz split)

## 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.

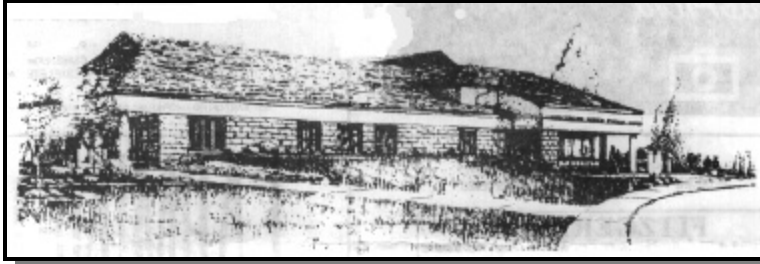
**2003 Officers**

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	Doug Crompton	WA3DSP	431-6307
Hamfest '03	Bill Strunk	K3ZMA	822-0749
January '03 VHF Contest	Joe Bagnick	N3EMA	997-2539
PA QSO Party '03	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
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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