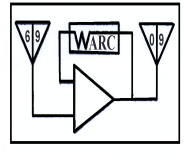




# FEEDBACK



Warminster Amateur Radio Club

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

October 2003

## Next Meeting October 2nd - What's New at Warminster Community Park

### President's Message



Volunteerism is what drives the club. Unfortunately, with the rough business climate volunteerism in all of its forms has not been as plentiful as it has been in the past. This is not only affecting WARC but all organizations. I understand that with work and family commitments -- especially in the current business climate -- it is difficult to find the time and energy to do so. But the WARC as a whole will appreciate any time that you can give to it.

Warminster Amateur Radio Club enters two contests each year as a club. For our HF aficionados it is the Pennsylvania QSO Party. This year it will be held on October 11 and 12. It is known as the Friendly Contest that also turns the ordinary Pennsylvania amateur radio station into one of the most desired stations. If you have ever wanted to be at the top of a pile up, just hop on 40 or 80 meters and call CQ PA QSO PARTY. Last year, I traveled out to Clinton County which tends to be a rare one in the contest. While I didn't break the single operator record for Clinton, I did take first place and had a blast. This year I am heading up to Carbon County. Jack Jones W3NTD will be collecting our logs and forwarding them on to the contest's sponsor, the Nittanny Amateur Radio Club. I plan on working all of you in the contest. Following the Pennsylvania QSO Party on Monday, October 13, we will need 10 operators for the Warminster Parks and Recreation hole-in-one golf outing at the Five Ponds Golf Course in Warminster. Our job will be to keep the entrants honest if they achieve that

### October Special Events

- Fremont County, CO:** Royal Gorge Amateur Radio Club, KB0TUC. 1800Z-2100Z **Oct 4** From Royal Gorge Bridge, world's highest suspension bridge. 14.260. Certificate. Chuck Ward, NCOA, 1011 Harrison Ave, Canon City, CO 81212.
- Shiloh, OH:** Huron County Amateur Radio Society, K8O. 1600Z **Oct 4-0400Z Oct 5** Honoring Ohio's Birthday and the Wright Brothers Flight. 28.350 14.250 7.250 3.900. QSL. KC8WIT, HCARS, 70 Euclid St, Shiloh, OH 44878.
- Little Rock, AR:** Benton Amateur Radio Society, W5P. 2300Z- 0300Z **Oct 6-Oct 10**, 1400Z-0300Z **Oct 10-Oct 14** and 2300Z-0300Z **Oct 14-Oct 16**. Recognition of the Louisiana Purchase 200th anniversary. 28.450 21.350 14.275 7.240 3.987. QSL. Special Event Station, PO Box 2893, Little Rock, AR 72203-2893. <http://www.arkansashams.org/>.
- Glasgow, KY:** Mammoth Cave Amateur Radio Club, KY4X. 1600Z-2200Z **Oct 7**. Commem- orating the 140th anniversary of the Civil War battle at Ft Williams. General 40 and 20 m. QSL. Mammoth Cave ARC, KY4X, 213 Trappers Trl, Glasgow, KY 42141.
- Tarrytown, NY:** Amateur Radio Lighthouse Society, KA2ZJE. 1500Z-2000Z **Oct 10**. Tarrytown Lighthouse ARLS #836. 21.370 14.270 147.106 147.06. Certificate. Irving Felsenfeld, 3354 Nutly Cir, Yorktown, NY 10598.
- Nowhere, IL:** Iowa Radiosport Society, W0FUN. 1500Z-2000Z **Oct 11**. Annual Fram-A-Stam event and Toilet Seat Toss. 14.234. Certificate. Iowa Radiosport Society, PO Box 73, Denmark, IA 52624.
- Columbus, OH:** Central Ohio ARES, WA8RES. 1400Z-1900Z **Oct 11**. Ohio Bicentennial. 28.450 21.300 14.500 7.260. Certificate and QSL. Frank Piper, 496 Hillview St, Pickerington, OH 43147-1197.
- Annapolis, MD:** AB4DQ. 1800-2000Z **Oct 11-Oct 18**. Heritage Harbour 20th Anniversary. 20 and 40 m. QSL. Walter Van Gieson Jr, AB4DQ, 2552 North Haven Cove, Annapolis, MD 21401.
- Franklin, NY:** Otshodela Council Amateur Radio Group/Boy Scouts of America, KZ2BSA. 1800Z **Oct 17-2359Z Oct 18**. 46th Annual Jamboree On The Air (JOTA) at Foothills District's Fall Camporee. 18.140 14.290 7.270 3.940 3.590; PSK31. QSL. Fred, Stevens, K2FRD, 263 Keach Rd, Guilford, NY 13780. <http://home.stny.rr.com/k2frd/ocarg.htm>.
- Randleman, NC:** Tri-County ARC, NC4AR. 1330Z-1830Z **Oct 18**. 15th Annual NASCAR Days Festival. 14.279 7.268. Certificate. NC4AR, PO Box 747, Trinity, NC 27370.
- San Ramon, CA:** Mount Diablo ARC, W6CX. 1600Z **Oct 18-1900Z Oct 19**. Pacificon Convention and the Boy Scout Radio Jamboree. SSB 28.390 21.360 14.290; SSTV 14.230. QSL. MDARC, PO Box 23222, Pleasant Hill, CA 94523. <http://pacificon.org>.
- Columbus, OH:** Central Ohio ARES, WA8RES. 1400Z-1900Z **Oct 25**. Ohio Bicentennial. 28.450 21.300 14.500 7.260. Certificate and QSL. Frank Piper, 496 Hillview St, Pickerington, OH 43147-1197.
- Brevard, NC:** Transylvania County Amateur Radio Club, K4HXZ. 1400Z-2100Z **Oct 31**. Halloween in Transylvania County. 28.335 21.365 14.295 7.237. Certificate. TCARC, PO Box 643, Brevard, NC 28712.

Courtesy The ARRL Newsletter

elusive hole-in-one as well as provide communications support for the event. A hot meal will be served after the event. Contact George Brechmann N3HBT if you can help out.

And on Saturday, October 18, we will need at least 15 hams to staff the Warminster Day gala at the old Naval Air Development Center property at Street and Jacksonville Roads. Once again, contact George Brechmann N3HBT if you would like to help out.

(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)*

That's it for this month. I hope to see all of you at the next meeting.

73's,  
Mark Kempisty N3GNW  
President  
Warminster Amateur Radio Club, Inc.

**Minutes of Warminster ARC  
September 4, 2003  
Dave, AA3UR, Secretary**

Mark, N3GNW, called the meeting to order. Roy, WB3AJH, and George, AA3I, attended as guests. The minutes of the last meeting were approved as read. The Willow Grove Air Show will be held without amateur radio assistance. Mark thanked those who helped at the Polish American Festival last weekend. This event continues this weekend at 10:00 AM Saturday and Sunday. October 11 and 12 is the PA QSO Party. Jack Jones, W3NTD, will coordinate again. If you have an update of address, email address, or anything else we should know, let Bud, K3TPM, know or use the web page.

Vice President: Tony, N3YNH listed the upcoming programs and reminded us that the November Meeting will be postponed one week to November 13, 2003.

October Speaker cancelled  
November ARRL Night  
December Holiday Party

Vahan, KB3DHU, presented the Treasurer's report.

Dave, AA3UR, had nothing to report from the Secretary.

Bill, K3ZMA, mentioned that new Hamfest Flyers were available from him and can be downloaded and printed from the website. Our hamfest date has been approved by ARRL. Anyone going to the Lawrenceville hamfest next month, please take some flyers.

Bud, K3TPM, reported that we have 120 active members and 12 renewals tonight.

George, N3HBT, reported that the repeater was working, but they are not linked. PL codes are required at this time. The Five Ponds Golf course will again need people to help October 13, for the hole in one competition. You need to be there 7:30 AM to 1:30 PM and will include a hot meal.

Tom, WA3TQJ, reminded us that October 17<sup>th</sup>, 18<sup>th</sup>, and 19<sup>th</sup> Warminster Day activities will be held. There will be a 10K run on the 18<sup>th</sup> at 8AM and Fireworks at night. Around 15 operators will be needed.

George, KA3WXV, said that there will be a General and possibly an Extra class Mondays 7:30 PM to 9:30 PM to run about 8 weeks. No Code Tech classes are available also. See George for handouts if you are interested in participating.

Jack Jones, W3NTD, said that he would go over the PA QSO Party details at the next meeting. If you need a logging program, check out KA3JWE's program that is downloadable for free. Send logs to w3ntd@arrl.net

There will be a Montgomery County ARES/RACES Training meeting on October 11, 2003 at their emergency operations center in Eagleville. They are looking for new members.

Steve, WW3Y, reported that at the Boy Scout summer camp, 150 scouts went through merit badge courses. They need some tower work. One rotor is out of commission and another has no direction indication. While there, they might string up some wire antennas. JOTA, Jamboree On The Air, will run October 17<sup>th</sup> and 18<sup>th</sup>. Would like to have the station running and some CW fists.

Doug, WA3DSP, reported that the special event station at the Grange Fair had 211 contacts in 5 days.

The vertical they were to use was missing sections, so they strung up a multiband inverted V with jumpers. They ran 75, 40 and 20 meters.

Old Business  
We still need an MC for the Holiday Dinner. This is not a huge undertaking.

No new business, or good and welfare, the meeting was adjourned followed by the 50/50 drawing and the program on the SDR-1000 software defined radio.

David Porter AA3UR  
Secretary

**Meeting Info – Tony Simek, VP**

October - "What's New at Warminster Community Park" - Karen Whitney  
Director, Warminster Parks & Recreation

November - ARRL Night.

December - Holiday Dinner

**Public Service**

On Monday, October 13, the Warminster parks and recreation department will be holding their Hole-in-one golf competition at the 5 Ponds golf course on Street road in Warminster. They have requested the help of the WARC to man the event. I will need 10 hams to help out. The outing will run from 7:30 am until around 1:30 pm and a hot buffet lunch will be served after the event. If you can help out please contact George N3HBT, at 215-443-5656 or e mail at n3hbt@juno.com.

Grand opening of the Warminster community park  
The Warminster parks and recreation department will be opening the Warminster Community Park on

*(Continued on page 3)*

*(Continued from page 2)*

Saturday, October 18. They have requested the help of the WARC to man the event and provide communications and security. If you can help out at the event, please contact Tom WA3TQJ at 215-343-3494. There will be a sign up sheet for both events at the October meeting.

73 George N3HBT

**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.

**Interesting web site**

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

Editor's Note:

The following is reprinted courtesy of the Daily Intelligencer.

**Supervisors look to ham radios in emergencies**

By JOHN ANASTASI  
The Intelligencer

MONTGOMERY TWP. - Even here in the age of cellular technology and digital radio communication, there is something to be said for the old standby.

That is why Supervisors J. Robert Witmer and Robert Kuhn would like to use ham radios as part of a new emergency operations center at the township building.

"Think of it as a backup emergency communication system," said Witmer. "Over the last few years we've learned that disasters can happen, whether they are natural or man-made like the terrorist attacks. People are putting an extra emphasis on being prepared."

Most of the time the equipment would sit in a locked cabinet in one of the township's community rooms, but in the event of an emergency that room could quickly become a makeshift command center.

"If there is some kind of natural disaster, we could always be able to rely on the amateur radio operations," said Kuhn, who explained that "amateur" radios use certain frequencies the FCC licenses for use by non-professional operators.

Witmer and Kuhn are both trained to operate the radios and so is Bernie Heinze, president of the Fire Department of Montgomery Township, they said.

If the township had the radios during a disaster, personnel in the emergency operations center could always communicate with the fire

department and relay information from the center to the police department via intercom.

First, the township needs to mount an antenna on the roof of the township building and purchase the needed equipment. But since ham radios have been around for decades, the program would be "very economical," Witmer said.

"We budgeted a couple thousand dollars for this," said Witmer.

"That's insignificant compared to the whole budget," Kuhn added.

They hope to have the antenna installed before winter.

"I'd like us to develop a schedule and start to get things done," said Witmer, during a workshop session that preceded Monday night's meeting of the board of supervisors. "We need to get some basic designs for what needs to be done upstairs, run the coax cables, run some tests and get it ready to go."

**Montgomery County RACES/ARES Announces Recruitment Drive**

Editor's Note:

The following is the text of a news release on Aug. 1 announcing a recruitment drive for the month of September. Although it arrived in my hands too late for the September Feedback I thought it might still be relevant.

Robert Lees, Amateur Radio Operator W3ZQN, announced that Montgomery County (Pennsylvania) Radio Amateur Civil Emergency Services (RACES)/ Amateur Radio Emergency Services (ARES) will

*(Continued on page 4)*

(Continued from page 3)

launch a volunteer recruitment drive for the month of September.

In an interview, Lees stated that Montgomery County RACES/ARES will be participating in the Limerick Generating Station's bi-annual emergency drill scheduled for this November. Montgomery County RACES/ARES is an integral component of the Limerick Generating Station Emergency Plan that includes a multitude of agencies and services, police departments and local municipalities.

Mr. Lees, Radio Officer for Montgomery County RACES/ARES, explained that it has been his experience that when planning begins for a big event, such as a Limerick Generating Station Drill, new volunteers come forward and express interest in becoming involved. "This year will be somewhat different" said Lees. "Since our past Limerick Drill, working with Montgomery County Emergency Services, we have instituted a new enrollment process to comply with the County security procedures. This process will take between four and eight weeks from indication of interest to issuance of a RACES/ARES identification card." Lees explained that a RACES/ARES ID card is required for access to certain locations that are secured in the event of a major event, such as triage sites, local municipal emergency operations centers, Red Cross shelters, etc.

Licensed Amateur Radio Operators interested in more information about Montgomery County RACES/ARES may contact Montgomery County RACES/ARES by forwarding an e-mail to WQ3Z@arrl.net or calling (215)870-4017.

#### Editor's Note:

**I would like to kick off a new column with this issue that I want to call Homebrew Corner. In this**

**column I would like to see contributions by club members who have done any type of home brew construction no matter how simple or complex. I'm going to start the column off by describing programming cables I constructed for my Kenwood rigs. A future article will be on the construction of the Elecraft K2 transceiver by Dave, KB3HCL. These articles don't need to be highly technical – they can simply describe the experience of building. I believe that any type of project can provide interesting and useful information to club members. Please think about contributing.**

### HOME BREW CORNER

I know there are several club members who have Kenwood radios. The models to which this article applies are the VM-7, G707, TH6 and G71. These radios all provide flexible programming of the frequencies including the ability to program alphanumeric naming of the memory channels. Kenwood offers programming cables and free software to provide for programming these radios from a PC. The free software sounds great but the cost of the cables is astronomical by my cheap ham standards.

The PG-4P cable for the TH6 and G71 is \$30 and the PG-4S cable for the VM7 and G707 is \$33. I don't know about you but I think \$63 is a bit steep for the privilege of PC programming. Of course there are others out there who also think so. So if you haven't already been programming your Kenwood with a PC, read on.

The interface of the PC to the radio requires a level converter to convert the RS-232 from the PC to the TTL level signals required by the radio. You can find a schematic and parts list on [www.euronet.nl/~yswarp/pg4s.html](http://www.euronet.nl/~yswarp/pg4s.html). If you go to [www.qsl.net/wd4bis/pg4s\\_pc.htm](http://www.qsl.net/wd4bis/pg4s_pc.htm) you will find a better schematic but with less overall

information.

Information on interfacing to the TH6/G71 can be found at [www.wa3hrl.com/adapter](http://www.wa3hrl.com/adapter). His suggestion for the 2.5 mm cable didn't work well for me. I decided to purchase a 2.5 mm stereo cable from Mouser. I also purchased a PS-2 mouse extender cable from a local computer store. These two cables cost approximately \$15. Everything else I scrounged from my junk except for maybe some caps I had to get at Radio Shack.

By the time I was finished I had spent somewhere around \$15 to get my pair of programming cables instead of spending \$63 and I learned some things in the process.

The free software can be downloaded from Kenwood at [www.kenwood.com](http://www.kenwood.com). Look for Downloads in the navigation bar. You will be sent to a page with a list of links. Select Software RCP/MCP. You will be sent to another page on which you will see a list of equipment and the associated software. Select the link for your rig and download it.

If anyone does not have Internet access, I can provide you with copies of the articles and the software.

The use of this software is sooo much easier than manually programming these radios. The G71 has 200 channels available. That is a lot of effort to do manually. The program also

### **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)

allows you to save the program as a file on the PC so that you can save various profiles. I have approximately 100 channels programmed and I find the flexibility provided by this software to be fantastic.

So go for it and save yourself the aggravation of manual programming without costing a fortune.

Jim, WA4YWM

**SOLAR UPDATE**

Propagation guru Tad "Black Hole Sun" Cook, K7RA, Seattle, Washington, reports: Last week's bulletin called for stable geomagnetic conditions over the weekend--which we got. Planetary A indices, a measure of geomagnetic stability for the day, were 11, 11, 7 and 6 for last Friday through Monday, September 12-15. There was a strong solar wind, but a north-pointing interplanetary magnetic field (IMF) kept any destabilizing effects to a minimum. The IMF continued to point north through Sunday, September 14, but then pointed south. This led to the geomagnetic storm and high planetary A index of 37 and 61 on Tuesday and Wednesday, September 16 and 17.

The IMF continues to point south, and we are now entering a stronger solar wind stream. The

predicted planetary A index for Friday, September 19, through Monday, September 22, is 35, 25, 20 and 15.

Solar flux this week was down and average daily sunspot numbers were up slightly. The sun has appeared nearly blank this week, with any sunspots toward the edge of the disk, not pointing radiation at Earth as spots in the center do.

Solar flux was lowest in the past couple of weeks at 94.4 on Friday, September 12. Recent daily sunspot numbers were lowest on September 10 at 42. As the solar cycle declines over the next couple of years, we will eventually see long periods with sunspot counts of zero. Solar flux is currently rising as we progress toward the fall equinox September 23. The current solar flux forecast for the short term shows flux values of 110 for September 19-21, and 115 for September 22-23.

Sunspot numbers for September 11 through 17 were 55, 58, 57, 58, 68, 89 and 83, with a mean of 66.9. The 10.7-cm flux was 96.7, 94.4, 96.1, 94.7, 97.3, 99.3 and 105.9, with a mean of 97.8. Estimated planetary A indices were 15, 11, 11, 7, 6, 37 and 61, with a mean of 21.1.

*Courtesy The ARRL Newsletter*

**RACES HELPS WITH ISABEL**

Bucks County RACES was placed on standby on Thursday evening (9/18) until Friday morning (9/19) by the Bucks County Emergency Management Agency as Isabel approached this area. Bob, KA3VKU, who is the RACES coordinator established a presence in the Emergency Operations Center with Stu, K2QBU and Jim, WA4YWM. Stu and Jim were on station at the EOC from 6:00 PM on Thursday until 6:00 AM Friday when the operation was terminated.

Several area stations volunteered their availability for assignment if RACES was activated. They were Charlie - WA3KVN, Don - N3OZO, Dan - KB3IBQ, Rocky - N3FKR, George - N3HBT, Chris - KD3KZ, Charlie - NJ3A and Hugh - N3SOQ. Andy - N3OMA also offered his help in providing any needed coordination with Montgomery County RACES.

Fortunately there were no incidents requiring an activation as the storm basically passed by us with minimal damage.

Thanks to all who participated.

➤ **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>November</b> | 1 - 3 ARRL November Sweepstakes (CW)     |
|                 | 15 -17 ARRL November Sweepstakes (Phone) |
| <b>December</b> | 5 - 7 ARRL 160 Meter Contest             |
|                 | 13 - 14 ARRL 10 Meter Contest            |



## ATLANTIC DIVISION HAMFESTS - 2003

➤ + *indicates ARRL Hamfest*

- 4 Oct 2003 x Red Rose Repeater Association Lancaster County, PA  
<http://www.qsl.net/rrra>
- 11 Oct 2003 + South Mountain Repeater Assn. Carlisle, PA  
<http://www.qsl.net/kb3cvo/>
- 12 Oct 2003 + Hamarama 2003 PACKRATS Wrightstown, PA  
<http://members.ij.net/packrats/Hamarama2002/Hama03.html>
- 19 Oct 2003 + R F Hill ARC Sellersville, PA  
<http://www.rfhill.ampr.org>
- 30 Nov 2003 + Jersey Shore ARS Toms River, NJ  
<http://www.jsars.org>
- 26 Oct 2003 + Carroll County ARC Westminster, MD  
<http://www.qis.net/~k3pzn>

### 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 - 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              |
| <b>220</b>   |                       |
| 224.580      | PackRats              |
| <b>UHF</b>   |                       |
| 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         |
| <b>6 Mtr</b> |                       |
| 53.030       | WA3BXW                |
| 53.230       | N3DQZ                 |
| 53.370       | K3MFI                 |
| <b>1296</b>  |                       |
| 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.

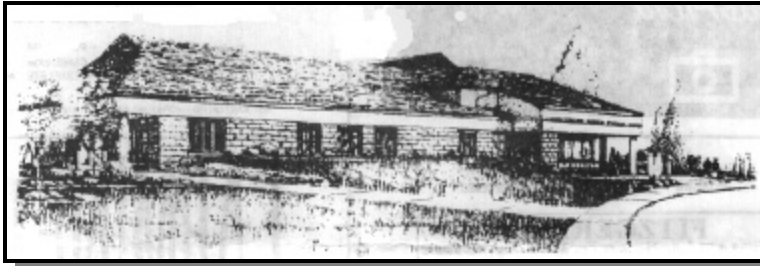
**2003 Officers**

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 '04           | Doc Whitticar      | W3GAD  | 968-0641     |
| Field Day '04 co-chair  | Stu Simon          | K2QBU  | 345-9295     |
| Grange Fair '04         | Doug Crompton      | WA3DSP | 431-6307     |
| Hamfest '04             | Bill Strunk        | K3ZMA  | 822-0749     |
| January '04 VHF Contest | Joe Bagnick        | N3EMA  | 997-2539     |
| PA QSO Party '04        | Jack Jones         | W3NTD  |              |
| Picnic '04              | Mark Kempisty      | N3GNW  | 953-1493     |
| Adopt-A-Highway         | Hugh Hart          | N3SOQ  | 773-8451     |
| Archives                | Frank O'Neill      | N3UQP  | 699-9549     |
| Alumni Coordinator      | Randy Gehman       | N3LJE  | 822-9473     |
| ARRL Liaison            | Kristina Pistilli  | KB3ECW | 572-5330     |
| Awards Mgr.             | Vince Pironti      | KD3TC  | 674-0446     |
| Classes                 | George Altemus     | KA3WXV | 855-3856     |
| DXpedition              | Doc Whitticar      | W3GAD  | 968-0641     |
| Special Interest Groups | Ron Wenig          | NY3J   | 638-9257     |
| CW/QRP co-chair         | Marty Squicciarini | NR3Z   | 393-1492     |
| Digital/APRS co-chair   | Ron Wenig          | NY3J   | 638-9257     |
| FM/Repeater co-chair    | Mark Hinkel        | WA3QVU | 659-4449     |
| HF co-chair             | Dennis Shegda      | N3KRE  | 657-7283     |
| Satellite co-chair      | Joe Bagnick        | N3EMA  | 997-2539     |
| VHF/UHF/MW co-chair     | Al Sheppard        | N3ITT  | 610-847-5490 |
| Emergency Coordinator   | Stu Simon          | K2QBU  | 345-9295     |
| Fundraising             | Erik D'Onofrio     | N3YNX  | 675-9165     |
| Hamwear                 | Bob Wilderman      | K3SRO  | 822-7474     |
| Holiday Dinner co-chair | Berni Lindinger    | N3RJD  | 343-5249     |
| Holiday Dinner co-chair | Doug Mahoney       | N3RJE  | 343-5249     |
| Interference            | Tom Michaud        | WA3TQJ | 343-3494     |
| Net Manager             | George Brechmann   | N3HBT  | 443-5656     |
| Notary Public           | Whitey Metzger     | AA3FT  | 947-0843     |
| Publicity               | Alan Ash           | KA3YCG | 357-9286     |
| RACES Liaison           | Bob Phillips       | KA3VKU | 766-0456     |
| Refreshments            | Randy Gehman       | N3LJE  | 822-9473     |
| Refreshments            | Doc Morein         | KA3RAU |              |
| Repeater Coordinator    | Brian Taylor       | N3EXA  | 257-6303     |
| SKYWARN Liaison         | Mike Patton        | W3MJP  | 491-9665     |
| Station Trustee         | George Brechmann   | N3HBT  | 443-5656     |
| Sunshine Club           | Vince Pironti      | KD3TC  | 674-0446     |
| Township Liaison        | George Brechmann   | N3HBT  | 443-5656     |
| VE License Testing      | Tom Michaud        | WA3TQJ | 343-3494     |
| WEB Site Coordinator    | Al Konschak        | WI3Z   | 491-9941     |
| Youth Programs Co-Chair | Al Folsom          | KY3T   | 343-8851     |
| Youth Programs Co-Chair | Steve Larson       | WW3Y   | 822-1511     |

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

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

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

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

**APRS on 144.390**

K3DN is also operating APRS on 144.390

**Internet Connection**

For general club correspondence:  
k3dn@k3dn.org

**For Feedback articles:**

wa4ywm@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

**Address Service Requested. If  
Undeliverable, Return to Sender.**