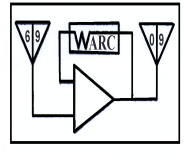




# FEEDBACK



Warminster Amateur Radio Club

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

October 2002

## Next Meeting October 3rd - Craven Hall History

### President's Message



I would like to thank all of the club members (and family members) who volunteered their time to help out at the Polish-American Festival, Willow Grove Air Show and the Northampton Days Fair. It is very gratifying to see the membership pull together to support the community with our communications expertise. Hats off to Burt Ludin - N3YVH, Steve Larson - WW3Y, Mark Hinkel - WA3QVU and Doug Crompton - WA3DSP for the work they did in organizing WARC's presence at these events.

October brings us the Pennsylvania QSO Party. As I have previously mentioned, this is one of two contests that Warminster enters as a club. Our individual scores are combined to let the club compete in a club's only category. (Your individual score still counts in the category that you run.) If you have some free time on October 12-13 spend a few hours in the contest. Jack Jones - W3NTD is our club coordinator for this year. He will be collecting your entry and forward them all together. For more information and contest rules go to [www.nittany-arc.org/paqso.html](http://www.nittany-arc.org/paqso.html).

Coming up in December is our annual Holiday Dinner. Look for our upcoming announcements and reservation form and plan on a wonderful evening with your fellow club members and their families. Remember that this meeting/dinner starts an hour earlier than all of our other meetings; at 6:30 PM.

I look forward to seeing you at the next meeting.

73's

Mark Kempisty - N3GNW  
President

### October Special Events

**Philadelphia, PA:** US Coast Guard Auxiliary, K3G. 1400Z-2200Z **Oct 5.** Coast Guard Auxiliary 63rd anniversary. 28.330 21.330 14.270 7.270. QSL. Dan Amoroso, W3DI, 196 Dam View Dr, Media, PA 19063.  
**Robbinsville, NC:** Smoky Mountains Amateur Radio Team, N4GSM. 1400Z-2000Z **Oct 5.** Anniversary of Cherokee Skyway opening. 14.240 7.240. Certificate. Smoky Mountains Amateur Radio Team, PO Box 517, Robbinsville, NC 28771.  
**St Thomas, USVI:** US Coast Guard Auxiliary, N2A. 1400Z-2100Z **Oct 5.** 63rd Anniversary of the US Coast Guard Auxiliary. 28.355 21.380. QSL. Deborah Thomas, NP2DJ, PO Box 9280, St Thomas, VI 00801.  
**Nellis AFB - Las Vegas, NV:** Nellis RAC, N7V. 0001Z **Oct 5-2359Z Oct 6.** America's USAF "Aviation Nation" Airshow. 28.460 21.260 14.260 7.260. Certificate. Nellis RAC, PO 363813, N Las Vegas, NV 89036-7813.  
**Nowhere, KS:** Douglas County ARC, W0UK. 1400Z-2100Z **Oct 12.** Midland Historical Railway Train, Baldwin City to Nowhere, KS. 21.365 14.245 7.245 7.044. Certificate. Ken Blair, KCOGL, 1711 W 19th Ter, Lawrence, KS 66046.  
**Nowhere, IL:** Iowa Radiosport Society, W0FUN. 1500Z-2000Z **Oct 12.** The Royal Order of Thuggs Fram-A-Stam event. 14.243. QSL. Iowa Radiosport Society, PO Box 73, Denmark, IA 52624.  
**Randleman, NC:** Tri-County ARC, NC4AR. 1300Z-1900Z **Oct 12.** 14th Annual NASCAR Days Festival. 14.268 7.268. Certificate. NC4AR, PO Box 747, Trinity, NC 27370.  
**Easton, PA:** Frankford RC, W3FRC. 1600Z **Oct 13-2300Z Oct 14.** 75th Anniversary of the Frankford RC. 21.380 14.280 7.280. QSL. John Lindmeier, 12479 Barbary Pl, Philadelphia, PA 19154.  
**Asheville, NC:** Southern Appalachian Radio Museum Club, W4AFM. 1300Z-2100Z **Oct 19.** From the Appalachian Radio Museum. 21.330 7.230. Certificate. CBA, PO Box 249, Leicester, NC 28748-0249.  
**Chattanooga, TN:** Chattanooga ARC, W4C. 1800Z **Oct 25-2100Z Oct 26.** Hamfest Chattanooga. 14.225 7.225. QSL. Loyd C. Headrick, 30 S Germantown Rd, Apt 7, Chattanooga, TN 37411.

*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.

### Minutes of Warminster ARC September 5, 2002 Dave, AA3UR, Secretary

The meeting was called to order by the Mark, N3GNW. Sean N3EOG, Earl N3QGO, and Ken K3FKW were visitors.

A large number of memberships have recently expired. Please check your membership and renew, if necessary.

The September Feedback said that the October Meeting would be moved. This was not thought to be enough lead-time and therefore the October meeting will be at our normal meeting

*(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)

place, the Benjamin Wilson Senior Center.

This month will have the Willow Grove Joint Reserve Base Airshow and WARC will be helping with the communications.

Audit and Budget Meeting was held. Discussion about whether to have the picnic separate from Field Day took place. Unless the membership specifically votes for one in the next few months, no picnic is being scheduled for 2003.

The Repeater is not in full time PL mode yet. ARCC will be holding elections and is looking for nominations. If you are interested get in touch with one of the WARC Officers.

PA QSO party is October 12-13, 2002. Hours are Noon to 1 AM Saturday and 9 AM to 6 PM on Sunday. WARC will again enter as a club and anyone with 100 QSO's will get a WARC coffee mug.

We will make a showing at the Northampton Days event. We have free table space for Sunday September 15<sup>th</sup>. See Mark Hinkle if you would like to participate.

Thanks to the club members who have worked on networking the computers at the Senior center. There is now a cable internet connection, and a router providing internet access and network connectivity for 4 computers in the center.

Vice-President: Tony , N3YNH. Tonight's program, First Aid and Medical Emergencies. October's meeting will be on Warminster, Past and Present, November will be the ARRL night with the EPA Section Manager. December will be the annual Holiday Dinner and January will be on QRP with Carter Craigie.

Treasurer: Vahan KB3DHU gave the treasurer's report.

The Minutes of last month's meeting as printed in Feedback were approved.

Secretary: Dave, AA3UR, had nothing to report.

Hamfest: Bill also is still looking for printers for post cards fliers for next year's hamfest. This will reduce the mailing expenses dramatically. He is also looking for a co-chair in the spring.

Repeaters:

Bryan, N3EXA, tested the Station Master antenna. It had a flat SWR The preamp is next on the list. He is waiting on a crystal to link the repeaters.

2M: The club now has the 7/8" Hardline it was looking for thanks to NJN. Bryan is tinkering with remote receivers, Ron is tinkering with Echo software. To show our appreciation to K3ESJ, who has volunteered tower space and repeater space, we will provide him with a gift certificate to Blueberry Hill Restaurant.

Public Service:

1. Phase two of Polish America Festival 11AM to 7 PM See Burt for information. Burt thanks all for their help in the first week. He has also secured a deal to use their canopies for future Field Days.
2. Air Show 9/12-14/02
3. 10/5/02 5K Run Craven Hall need 12 OPS for route security
4. 10/14/02 Five Ponds Hole in One 7:30 AM – 1:00 PM Hot meal included

Air Show 10/14, 15/02 Steve, WW3Y

1. Meet at 6:00 AM at Red Lion Restaurant for Breakfast

2. Park at Regal 22 parking lot
3. Six vehicles will pick you up and drop you off at assigned positions
4. There will be 21 positions needed
5. Bring Suntan lotion, Water, a Snack, Chair, Hat, Sunglasses, 2M radio, Extra Batteries, Headset, Earplugs

Ham Radio Classes: George KA3WXV

1. No Code Tech begins on 9/9/02 7:30 Monday evenings through November
2. Five people were interested in forming an Extra class.
3. Tech night 9/17/02 Tuesday night First topic, coax fittings
4. Three people interested in code class for General / Extra

Holiday Dinner

Will be the same menu as last year. Less than 3 yrs old, Free. Less than 12 yrs old, \$5.00 and 12 or over yrs old \$8.00

Membership

There are 30 people with expired membership. Since the mailing label on Feedback was the primary way of letting people know this, and since many members now receive Feedback by email, there is no way to let them know this.

New Business

Feedback Let Jim Elmore know if the listing of Officers and committee chairs on the back page of Feedback needs to be updated. If you get Feedback electronically, you will save the club \$8.00 annually.

The meeting was adjourned, followed by refreshments, 50/50 drawing and the night's presentation on First Aid and Emergency Medicine.

David Porter AA3UR  
Secretary

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### Meeting Info

The October meeting is featuring a speaker from Craven Hall in Warminster. For the past several years, we've offered our communications services to the Craven Hall 5k Run, and now it's time to learn what makes Craven Hall one of the local historical attractions.

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

The December meeting is our annual Holiday Dinner.

### Public Service

Craven Hall 5K Run October 5th (Saturday). Volunteers are needed to offer route security and communications for the runners. The event is from 9am to about 12:30pm.

Five Ponds Golf Outing (Benefit for the Warminster Parks & Recreation) October 14th (Monday). Volunteers are needed for communications. The event is from 7:30am to 1pm. A HOT box lunch will be available to all volunteers after the outing, and in the BRAND NEW club house!!

NOTE: As with any club public service event, you need NOT be a club member. Any Ham can volunteer for these events. If you have time, please help out. Typically all that's needed is a 2m HT, and batteries. Thank you!!

If you can help out with any of the above public service events, please contact George Brechmann (N3HBT) at 215-443-5656.  
E-mail: George Brechmann  
<n3hbt@juno.com>

### Antenna Help Needed

I am looking for a couple of guys to help

me install two antennas on the side of my QTH. They will need to bring a 30+ ft. ladder with them. I want to install a 6 meter halo antenna and a wide band scanning antenna sometime in early October. A Cushcraft R-5 vertical will have to be taken down first. I have the coax cable, connectors. The antennas will be assembled before their arrival.

73's  
Bob Wilderman, K3SRO  
dlrwild1@voicenet.com  
(215) 822-7474

### 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.

### Northampton Days

I'd like to thank everyone who came out to Northampton Days last Sunday. It was a big success despite the bad weather. As predicted, we had showers on and off all day. However, early afternoon proved the weather man wrong; we had a couple of hours of bright sun when many people

walked the festival.

The club had a number of people stop by the table with interest in Amateur Radio. We also had quite a few members drop by, and one even paid his dues.

Mark Hinkel WA3QVU  
Willow Grove, Pa.

### HAMS at the POLISH AMERICAN FESTIVAL 09/02

Members of the Warminster Amateur Radio Club volunteered at the National Shrine of CZETOCOWA, Polish American Festival held in Doylestown PA.

The festival took place over two weekends August 31 – September 2 and then the following weekend September 7-8 2002. The radio operators were stationed throughout the event manning many locations.

The hams volunteered for a total of 500 hours. The radio operators handled the usual types of communications that would take place at any event. The hams pitched in where the event staff members were short handed such as directing traffic, parking busses, dispensing beverages. Some of the volunteers had to taste some of the items that were being put into cups, making sure it was safe (tasty). Others were delivering supplies to food booths and even slicing sandwich rolls. Not wanting to mention what Bob KA3VKU was doing. I even knew about some covert operation going on too.

Many of the volunteers told me that they had a great time, enjoying the good music, making new friends and most of all tasting the many different food items being sold.

I especially want to thank the following people for giving their support and devotion by volunteering for up to almost 8 hours each day and even some helping for all five days while only

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receiving short notice that their help was needed and they are: George N3HBT, Elaine N3TMP, Bill K3ZMA, Bob KA3VKU, Steve WW3Y, Greg KB3HSB, Derek KZ3ZZZ, Jim WA4YWM, Mark N3GNW, Bob N3SRO, Tony N3YNH, Ron NY3J, Tom WA3TQJ, Mike W3MJP, Don W3UBF, Joe W3UGI, Vahan KB3DHU, Mark WA3QVU, Doc KA3RAU, Doc W3GAD.

I also want to mention that Jim WA4YWM's wife and daughter (Bev and Jen) who only came to see him ended up pitching in to slice sandwich rolls and work the gates as needed due to the fact the event people were short of helpers.

I look forward to having all of you and others volunteering again next year.

73"  
Burt  
N3YVH

## SOLAR UPDATE

Heliophile Tad "House of the Rising Sun" Cook, K7VVV, Seattle, Washington, reports: Average sunspot numbers were up a bit this week compared to last, and solar flux on average was about the same.

Solar flux peaked in the short term on September 10 at 220.5 and has been mostly declining since. Solar flux on Tuesday through Thursday of this week was 194, 176.8 and 165.3. For Friday through Sunday it's predicted at 165, 160 and 155. Sunday's value may continue for a few more days and should be the minimum for the near term. Assuming returning activity from the current solar rotation, solar flux is expected to peak again around October 6-11.

Sunspot numbers for September 12 through 18 were 258, 246, 256, 168, 190, 228 and 225, with a mean of 224.4. The 10.7-cm flux was 212.4,

206.1, 206.9, 187.8, 182.6, 194, and 176.8, with a mean of 195.2. Estimated planetary A indices were 17, 16, 11, 8, 8, 13, and 14, with a mean of 12.4.

*Courtesy The ARRL Newsletter*

## DIGITAL AFICIONADOS TURN OUT FOR 2002 ARRL/ TAPR CONFERENCE

More than 100 of the most active Amateur Radio digital enthusiasts from around the world turned out in Denver, Colorado, September 13-15 for the 2002 ARRL/TAPR Digital Communications Conference. This year's event marked the 21st conference. Agenda topics ranged from APRS (Automatic Position Reporting System) to high-speed digital networking and software-defined radio (SDR), among others.

Friday's forums were dominated by discussions of APRS. Topics included a discussion of single-wire APRS weather stations, high-altitude balloon tracking and recovery--presented by representatives from Edge of Space Sciences <--APRS" <http://www.eoss.org/>--APRS in the Sydney Olympics and the versatile Findu.com <<http://www.findu.com/>> on-line APRS database.

Saturday's sessions included forums on the prospect of using consumer wireless devices (popularly known as 802.11b or "Wi-Fi" devices) to create high-speed Amateur Radio digital networks. A forum on HF digital voice also drew considerable interest.

One of Saturday's highlights was a demonstration of the new ICOM D-Star <[http://www.tapr.org/tapr/dv/DStar\\_brochure.pdf](http://www.tapr.org/tapr/dv/DStar_brochure.pdf)> digital radio system. At the heart of D-Star is the ID-1 transceiver, which ICOM had on display at the Dayton Hamvention last spring. The ID-1 operates on 1.2 GHz and can communicate using FM analog voice, digital voice and data.

The transceiver can be programmed with a desktop or laptop computer, or it can be operated in a more conventional manner via a remote front panel. ICOM's Ray Novak, KC7JPA, said D-Star will be available in the US in November. (Click here for a sample of D-Star audio recorded at the conference.)

Bruce Perens, K6BP, <<http://perens.com/>> was the featured speaker at the Saturday evening banquet. His entertaining presentation stressed the notion that individuals, not just corporations, still can innovate and invent. Perens called for grassroots development of Amateur Radio software and hardware according to the Open Source model. He also encouraged the audience to become educators, because, he explained, "the future strength of Amateur Radio is in our value as technology teachers."

SDR was another hot topic at the conference, and the Sunday seminar was devoted exclusively to that subject. Projects such as GNU Radio <<http://www.gnu.org/software/gnuradio/gnuradio.html>> promise a day when amateur transceivers will achieve extraordinary levels of flexibility. Under the SDR paradigm, software, rather than the hardware, literally will "define" the way in which a radio operates.

Proceedings of the 21st ARRL

### 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)

and TAPR Digital Communications Conference now are available for \$20 (plus shipping and handling) via the ARRL Web catalog <<http://www.arrl.org/catalog/?item=8756>>. Order item No 8756.

Courtesy The ARRL Newsletter

**PR Help From ARRL**

Maximize your public relations efforts with new PC presentations: Thanks to the efforts of ARRL Public Relations Committee member and Santa Barbara Section Public Information Coordinator Jeff Reinhardt, AA6JR, the ARRL is happy to offer two new PowerPoint presentations to help field volunteers get the most out of their public relations programs. Both presentations can be found on the PR Department Web site <[www.arrl.org/pio](http://www.arrl.org/pio)>. The presentation "How to be a Media Relations Superstar" <<http://www.arrl.org/pio/Superstar.ppt>> is packed with lots of helpful pointers to guide you in successfully promoting Amateur Radio in your area. This presentation also would work well for anyone giving a talk on how to promote ham radio. The presentation "100 Great Publicity Ideas for your Amateur Radio Club" <<http://www.arrl.org/pio/100Ideas.ppt>> speaks for itself. Check it out for great tips to help you build positive public awareness about Amateur Radio all year long!--Jennifer Hagy, N1TDY

Courtesy The ARRL Newsletter

**ARRL RESPONDS TO IMPLIED 222-225 MHZ THREAT**

The ARRL has taken issue with a suggestion made in a non-Amateur Radio-related FCC proceeding to turn the 222-225 MHz amateur allocation over to commercial interests. In reply comments filed this month, the League urged the FCC to "do nothing" with the proposal of Data Comlink (DCL), a consortium of 20 electrical coops and allied companies.

"ARRL presumes that the proposal by DCL for reallocation of the 222-225 MHz band will not be seriously evaluated by the Commission, as it is well outside the scope of this proceeding," the League said in its September 5 filing with the FCC. Until DCL raised the 222-225 MHz suggestion last month in its own comments in WT Docket 02-224, the ARRL had remained silent in the proceeding.

DCL claimed in its comments that the amateur allocation at 222-225 MHz "is being underutilized" and that the band "would be much better utilized for commercial use."

ARRL asserted that the band, far from being underused, "remains a critical VHF allocation" for amateurs. The League noted that the ARRL 2002 Repeater Directory--albeit not a comprehensive listing--lists 1690 repeaters throughout the US, indicating an even larger number of individual

users. "Indeed the number of individual amateurs using this band has increased steadily since 1989, when the amateur allocation at 220-225 was reduced by 40 percent," the ARRL said, "and now much commercially manufactured equipment is available to amateurs."

DCL had claimed that "only handfuls [sic] of individuals in the Amateur Radio Service even use this spectrum, while hundreds of thousands of potential commercial users wait with no alternatives." The League characterized as "invalid" DCL's arguments in favor of reallocating 222-225 MHz from the Amateur Radio Service and noted that the FCC earlier this year had set aside an additional 8 MHz of spectrum for Land Mobile Service operations.

The League's reply comments in the DCL proceeding are on the ARRL Web site <<http://www.arrl.org/announce/regulatory/wt02-224/arrl-comments.html>>.

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

**2002 Contest Calendar**

<u>Month</u>	<u>Contest</u>
<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*

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/Hamrama2002/Hama\\_02.html](http://www.ij.net/packrats/Hamrama2002/Hama_02.html)

20 Oct 2002 + RF Hill ARC Sellersville, PA <http://www.rfhill.ampr.org>

### 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 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 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
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.

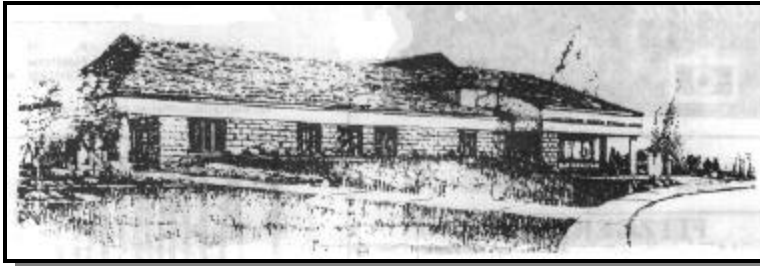
**2002 Officers**

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 '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
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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