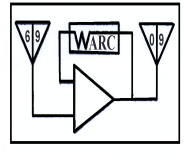




# FEEDBACK



Warminster Amateur Radio Club

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

February 2004

## Next Meeting February 5th - Club Auction

### President's Message



Last year at this time I was writing about our delayed holiday dinner. Fortunately we did not have to postpone it again this past holiday season but you'll have to agree with me, we're having one heck of a winter this year. With the repeater upgrades still in progress, we do not have the luxury of Link Communications repeater controller and its highly configurable voice synthesizer. When I initially programmed it, I put in a high priority meeting cancelled announcement. So if the weather is looking particularly bad, don't be afraid to ask on the repeater as to the meeting's status. If we have to cancel a meeting, we will make sure somebody is on the repeater letting everyone know.

One thing I forgot to mention at the last meeting is our annual club participation in the January VHF Sweepstakes. I missed last year's contest due to a nasty head cold, but I hopped into the fray this year and made just over 100 QSOs. Don't forget to submit your score and note Warminster Amateur Radio Club for your club affiliation. If you used pencil and paper to log and have been wanting to give computer logging a try, there are a number of free ones available and most if not all will let you enter a contest after the fact and then submit your score electronically. I used to dread the after contest paperwork, now I can wrap up and submit my entry within 30 minutes of the contest end.

The upcoming February meeting is also our annual auction night. Members donate various items to the club where they are auctioned off to the highest

February 2004

**Lubbock, TX:** Buddy Holly Memorial, W5B. 1600Z **Jan 31-0400Z Feb 4** 45th Anniversary of the death of Buddy Holly. 28.336 21.360 14.260 7.260. QSL. W5B Buddy Holly QSL, c/o Bryan Edwards, 3801-68th St, Lubbock, TX 79413. <http://www.amrc.com/W5B>.

**Washington County, PA:** Washington Amateur Communications ARC, W3C. **Feb 5-Feb 8** 2004 Washington County Sportmen's Show. 21.350 14.250 7.230 3.860. QSL. Washington Amateur Communications ARC, c/o Ed Oelschlagel, N3ANI, 60 Carl Ave B2, Eighty Four, PA 15330.

**Chicago, IL:** Metro Amateur Radio Club, K9Y. 1600Z **Feb 7-2359Z Feb 8** Chicago Harbor Brkw South Light (ARLHS 1185). 40, 20, 15, 10 m CW and SSB. QSL. Bill Borgstrom, 1330 W Columbia Ave, Chicago, IL 60626. <http://www.qsl.net/mac/>.

**Saranac Lake, NY:** NCC Red Cross Radio Quick Response Team, W2C. 1500Z **Feb 7-2000Z Feb 15** Celebrating over 100 years of Winter Carnival. 14.257 14.030 7.250 7.045. QSL. American Red Cross, KC2KEQ, 36 Broadway, Saranac Lake, NY 12983. <http://www.saranaclake.com/carny.shtml>.

**Orlando, FL:** Orlando Amateur Radio Club, K4H. 1700Z **Feb 13-1800Z Feb 15** Commemorating 57th Orlando HamCation. 28.400 21.250 14.250. QSL. John Melchiori, K4JBM, 1840 Cleek Ct, Orlando, FL 32835.

**Alexandria, VA:** Mount Vernon Amateur Radio Club, K4US. 1600Z **Feb 14-2100Z Feb 15** Commemorating George Washington's Birthday. 18.080 10.110 14.240 7.240. Certificate. Mount Vernon ARC, PO Box 7234, Alexandria, VA 22307.

**Plymouth, MI:** Plymouth Historical Museum Radio Station, KC8SWR. 1500Z **Feb 14-2100Z Feb 15** Commemorating President Lincoln's Birthday. SSB: 14.270 7.270; 146.490 FM. Certificate. Plymouth Historical Museum, c/o KC8SWR Radio Station, 155 S Main St, Plymouth, MI 48170.

**Ft Myers, FL:** Ft Myers Amateur Radio Club, Inc, W4LX. 1500Z **Feb 16-2100Z Feb 20** The Edison Festival of Light and Thomas Edison's Birthday. 28.430 21.330 14.230 7.230. Certificate and QSL. Ft Myers Amateur Radio Club, PO Box 61183, Ft Myers, FL 33906.

**Raleigh, NC:** United States Power Squadrons Amateur Radio Net, N9T. 1300Z **Feb 20-2200Z Feb 21** Ninetieth Anniversary of the United States Power Squadrons. 28.367 21.367 14.267 7.267. Certificate. Donald Stark, N3HOW, 65 Stark Spur, Eighty Four, PA 15330. <http://www.usps.org/national/Ham/>.

**Marquette, MI:** Hiawatha Amateur Radio Association, K8LOD. 2000Z **Feb 20-2000Z Feb 22** 15th Annual Running of the UP 200 Sled Dog Championship. 21.355 14.255 7.255 3.900. Certificate. Rich Schwenke, N8GBA, 21 Smith La, Marquette, MI 49855.

**Washington, IA:** Washington Area ARC, WA0MNA. 1500Z-2100Z **Feb 21** Celebrating George Washington's birthday. General portions 10/15/20 m band. QSL. Vance Davisson, WA0MNA, 420 E 2nd St, Box 283, Riverside, IA 52327.

**Baton Rouge, LA:** USS Kidd ARC/Baton Rouge ARC, W5KID. 1500Z-2300Z **Feb 28** 60th anniversary of the launching of USS Kidd, DD-661. General class bands, 14.250-14.320; CW QRP subbands. QSL. W5KID, c/o USS Kidd Museum, 305 S River Rd, Baton Rouge, LA 70802. <http://www.brarc.org/>.

Courtesy The ARRL Newsletter

bidder by our esteemed auctioneer Tom Michaud WA3TQJ. If you have never been to one of our auctions, it is a blast. More often than not, there are several treasures there that set off a bidding war. Tom moves at a fast clip and makes it a fun evening. If you only come out to see him in action, it is worth it. But beware, even if you are sitting on your hands Tom may make you buy something for a quarter. The proceeds of the auction help offset various WARC expenses during the year. So don't forget your wallet!

(Continued on page 2)

*The Warminster Amateur Radio Club is a volunteer-based organization. Without the selfless work performed by volunteers such as yourself, there would be no Club.*



(Continued from page 1)

Finally, Warminster Amateur Radio Club, Inc. is a very fortunate organization in that it has a large body of members. It is also fortunate in that it has a large core of members that take a very active part in running the organization for the benefit of all. But, there is always room for more. I firmly believe in the adage that the sum of the parts is greater than the whole. With more members helping out and taking responsibility for club activities, functions and events WARC will grow stronger and more vibrant. And a vibrant organization will attract others to join our ranks (and amateur radio in general) which will help the cycle continue. To help out in some aspect of the club all you have to do is see one of the Board members. Any one of us would be happy to work with you to find an area that would be of special interest to you.

I look forward to seeing all of you at the February meeting.

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

**Minutes of Warminster ARC  
January 8, 2004  
Dave, AA3UR, Secretary**

Mark, N3GNW, called the meeting to order. Steve, KB3HBE, and John, KB3EWB, attended as guests. The minutes of the last meeting were approved as printed in *Feedback*. Mark thanked those who helped at the Holiday Dinner, especially Burt, N3YVH, and Tony, N3YNH, for their work. If you have an update of address, email address, or anything else we should know, let Bud, K3TPM, know or use the web page. With our new constitution, appointments to the board take place in May, so nominations are now being accepted. Stu, K2QBU, our field day chairman will not be able to be present at this year's field day. We are looking for a co-chair for our field day effort.

Vice President: Tony, N3YNH listed some of the future meeting programs.  
Tonight Antenna Potpourri by Bill, K3ZMA  
February Annual Auction  
June Homebrew night

Bud, K3TPM, reported that we have 118 active members.

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

Bill, K3ZMA, mentioned that Hamfest will be prior to our May meeting on May 2, 2004. The Delaware HRO store will have a presence.

We need to get the revised revenue projections to apply for IRS 501(c) 3 status.

The meeting was adjourned, followed by the 50/50 drawings and Bills Antenna Potpourri talk.

David Porter AA3UR  
Secretary

**Links with information related to the "Antenna Potpourri" presentation given at the January WARC meeting by Bill, K3ZMA.**

Home page for the Green Bank National Radio Observatory:

<http://www.gb.nrao.edu/>

Green Bank Telescope pictures index page has links to hundreds of thumbnail and high resolution pictures of every part of the telescope. Be sure to check out the "Construction Timeline" series of pictures:

<http://www.gb.nrao.edu/gallery/gbt/index.html>

Link to info on the Behind the Scenes Tour (High Tech

Wednesdays):

<http://www.gb.nrao.edu/epo/startech.shtml>

Link to historical info on Jansky and Reber, the first Radio Astronomers:

<http://www.gb.nrao.edu/fgdocs/oldscopes.html>

A good page from the ARRL that explains how sunspots and solar flux affects our propagation:

<http://www.arrl.org/tis/info/k9la-prop.html>

The history of the 10.7cm solar flux measurement:

<http://www.drao-ofr.hia-ihh.nrc-cnrc.gc.ca/icarus/www/history.html>

Visit the Cass Railroad State Park if you go to Green Bank, West Virginia:

<http://www.cassrailroad.com/index.html>

Discone antennas for as little as \$80 made by Diamond, Comet or Icom can be found here:

<http://www.universal-radio.com/catalog/scanants.html>

73, enjoy,  
Bill, K3ZMA

**Meeting Info – Tony Simek, VP**

February - Club Auction  
March - Earnest Shardlow  
Antique Radio - Show and Tell  
June - Homebrew Night

**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.

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## 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.

## FOR SALE

### PACKAGE DEAL

(1) Elecraft K2 in mint condition with all manuals, KSB2, K160RX, KNB2, KAF2, KAT2, KBT2 options installed; revision 2 firmware, second stage XFIL mod done, grounding of XTALS X7-X11 mod done; wired for ICOM HM-36 mic (NOT INCLUDED). Also included is the famous PW-1 vertical made by Vern (never used), PALM mini paddles, custom made dust cover, OAK HILLS WM-2 QRP wattmeter with manual (mint), aluminum attaché case with foam inserts for above gear. All of the above are like new! The K2 was professionally built.

ASKING FOR THE PACKAGE:  
\$1,025

(2) Mint ICOM R-7000A wide band receiver, unblocked, covers 28 Mhz to 2.0 Ghz, with original factory carton and manual, custom made vinyl dust cover. Radio stored in environmentally controlled environment since purchased new from AES, used briefly recently. Collector quality, no better unit available out there.

ASKING: \$800 firm

Contact: Bob Wilderman, K3SRO  
e-mail: dlrwild1@comcast.net  
phone: (215) 822-7474

## CLASSES

Extra classes will be offered by WARC at the Ben Wilson senior center starting Monday, January 12, 2004 from 7:30 pm until 9:00 PM. The classes are free and study guides will be available for purchase at the site. The instructor, Tom KA3FQS will be running the classes through March.

NoCode Tech classes start March 8th through May 24th Monday nights 7:30 to 9:00PM  
Both are at the Senior Center.

### ARRL to Propose New Entry-Level License, Code-Free HF Access

The ARRL will ask the FCC to create a new entry-level Amateur Radio license that would include HF phone privileges without requiring a Morse code test. The League also will propose consolidating all current licensees into three classes, retaining the Element 1 Morse requirement--now 5 WPM-only for the highest class. The ARRL Board of Directors overwhelmingly approved the plan January 16 during its Annual Meeting in Windsor, Connecticut. The proposals -- developed by the ARRL Executive Committee following a Board instruction last July--are in response to changes made in Article 25 of the international Radio Regulations at World Radiocommunication Conference 2003 (WRC-03). They would continue a process of streamlining the amateur licensing structure that the FCC began more than five years ago but left unfinished in the Amateur Service license restructuring Report and Order (WT 98-143) that went into effect April 15, 2000.

"Change in the Amateur Radio Service in the US, especially license requirements and even more so when Morse is involved, has always been emotional," said ARRL First

Vice President Joel Harrison, W5ZN, in presenting the Executive Committee's recommendations. "In fact, without a doubt, Morse is Amateur Radio's 'religious debate.'"

The entry-level license class--being called "Novice" for now--would require a 25-question written exam. It would offer limited HF CW/data and phone/image privileges on 80, 40, 15 and 10 meters as well as VHF and UHF privileges on 6 and 2 meters and on 222-225 and 430-450 MHz. Power output would be restricted to 100 W on 80, 40, and 15 meters and to 50 W on 10 meters and up.

"The Board sought to achieve balance in giving new Novice licensees the opportunity to sample a wider range of Amateur Radio activity than is available to current Technicians while retaining a motivation to upgrade," said ARRL CEO David Sumner, K1ZZ. Under the ARRL plan, current Novice licensees--now the smallest and least active group of radio amateurs--would be grandfathered to the new entry-level class without further testing.

The middle group of licensees--Technician, Tech Plus (Technician with Element 1 credit) and General--would be merged into a new General license that also would not require a Morse examination. Current Technician and Tech Plus license holders automatically would gain current General class privileges without additional testing. The current Element 3 General examination would remain in place for new applicants.

The Board indicated that it saw no compelling reason to change the Amateur Extra class license requirements. The ARRL plan calls on the FCC to combine the current Advanced and Amateur Extra class licensees into Amateur Extra, because the technical level of the exams passed by these licensees is very similar. New applicants for

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Extra would have to pass a 5 WPM Morse code examination, but the written exam would stay the same. Sumner said the Board felt that the highest level of accomplishment should include basic Morse capability. Current Novice, Tech Plus and General licensees would receive lifetime 5 WPM Morse credit.

"This structure provides a true entry-level license with HF privileges to promote growth in the Amateur Service," Harrison said.

Among other advantages, Sumner said the plan would allow new Novices to participate in HF SSB emergency nets on 75 and 40 meters as well as on the top 100 kHz of 15 meters. The new license also could get another name, Sumner said. "We're trying to recapture the magic of the old Novice license, but in a manner that's appropriate for the 21st century."

The overall proposed ARRL license restructuring plan would more smoothly integrate HF spectrum privileges across the three license classes and would incorporate the "Novice refarming" plan the League put forth nearly two years ago in a Petition for Rule Making (RM-10413). The FCC has not yet acted on the ARRL plan, which would alter current HF subbands.

The ARRL license restructuring design calls for no changes in privileges for Extra and General class licensees on 160, 60, 30, 20, 17 or 12 meters. Novice licensees would have no access to those bands.

See "ARRL to Propose New Entry-Level License, Code-Free HF Access" on the ARRL Web site, [www.arrl.org/news/stories/2004/01/19/1/](http://www.arrl.org/news/stories/2004/01/19/1/), for the specific subband allocations ARRL is proposing for each class.

### New Contest

Hello!

On May 8 and 9, 2004, the first Mid-Atlantic QSO Party will be held.

Our goal is to have a friendly operating atmosphere like many of us experience in the Pennsylvania QSO Party, only on a regional level.

We're trying to get the word out to all the clubs in the states involved, and I've been working to forward along information to clubs in Pennsylvania.

We have a website at [www.qsl.net/majqso/](http://www.qsl.net/majqso/) where more information is available, including downloadable versions of the rules package.

Thanks,

Allen Huber, WG3E

### Comment on the April, 2003 article on the word "Ham"

Hello there,

I came across a "Feedback" article published April 2003 which mentions my callsign, K4JRG, as the author of web pages describing the origin of the word Ham. I just wanted to clarify that I did not write these articles and they live on my website (<http://www.k4jrg.org/whyham>) purely as reference. I copied these articles from other repositories.

If I may add, I did a 3 day, fairly extensive research against the Library of Congress and could not find any mention of the origin of the term "Ham" or any of the characters mentioned in the article. I'd have to agree that the true origin of the term is yet to be known.

73's,  
Julio  
K4JRG

### 2003 Frequency Measuring Test

If any WARC members participated in the November 19, 2003 FMT from W1AW the preliminary results are now available on the ARRL web page [www.arrl.org/w1aw/fmt/](http://www.arrl.org/w1aw/fmt/). The "results" PDF file lists the frequencies that were transmitted on each band and a limited listing of callsigns. Only calls of those stations that submitted correct measurements on all four bands are currently shown. This was a great way to see how well you and your fancy digital readout rig can measure frequency. If you missed the FMT this year, check back at the above page and watch QST for more info on what is likely to become an annual event.

### WX2PHI Mount Holly NWSFO SKYWARN Amateur Radio Communications Center To be staffed by SKYWARN Personnel

The National Weather Service's Mount Holly Forecast Office, under the direction of the SKYWARN Advisory Committee (formerly the SKYWARN Technical Committee), is seeking SKYWARN volunteers to staff the WX2PHI SKYWARN Amateur Radio Communications Center (SARCC) station located at the National Weather Service

### **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)

Forecast Office in Mount Holly, New Jersey. The Mount Holly NWSFO serves approximately eleven million people in thirty-four (34) counties located within Delaware, Maryland, New Jersey and Pennsylvania. The office is located at 732 Woodlane Road(State Route 630) off of State Route 541 in Westhampton Township, Burlington County, New Jersey.

Nick Ipri (KB3JPK) and Mike Patton (W3MJP), Members-at-Large of the SKYWARN Advisory Committee, will be coordinating efforts to staff the NWSFO office with SKYWARN personnel.

SKYWARN Communication Center activation will be based upon prevailing and/or anticipated hazardous weather events including, but not necessarily limited to moderate risk for severe thunderstorms, major Winter Storm

warnings and Hurricane/ Tropical Storm warnings. The Senior Forecaster on-duty at the Mount Holly NWSFO will determine the need to have the SARCC staffed with personnel. Ideally, the communications center will be staffed by at least two SKYWARN-educated individuals.

Currently, the SARCC is located in a separate cubicle on the floor of the forecasting office and is equipped with a Kenwood TM-742 Tri-band amateur radio, a TNC, APRS capabilities, a computer, a telephone and a nearby FAX machine. It is expected that SKYWARN personnel will be responsible for acting as WX2PHI Net Control Operators using assigned SKYWARN (WA3BXW UHF, Complex Repeater Group, County) frequencies to obtain and evaluate severe weather information from active SKYWARN Nets and from other amateur radio stations. In addition, it is

anticipated that real-time e-mail, telephone and facsimile traffic reporting severe weather conditions and data will also be handled by the SKYWARN volunteers staffing the SARCC. SKYWARN volunteers who are interested in participating in this program will be expected to become familiar with SKYWARN Net Control Operator guidelines and operating procedures designed by the Mount Holly NWSFO SKYWARN Advisory Committee specifically for the amateur radio communication center as well as with the operation of the radio, computer and telephone equipment. Volunteers who do not possess a current amateur radio license will be able to operate the station under the supervision of a licensed amateur radio operator and will be able to participate in other station activities. Questions about the program should be directed to Nick Ipri or Mike Patton.

SKYWARN Weather Spotters who are interested in participating in this program should contact Nick Ipri via e-mail at [nipri@ieee.org](mailto:nipri@ieee.org).

**SKYWARN INFORMATION**

**MOUNT HOLLY NWSFO SKYWARN Weekly Information Net: EVERY THURSDAY AT 21:00 HOURS**

(see Frequency List for a local VHF or UHF repeater)

**Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)**

Fairless Hills, PA (many remote access locations throughout Bucks County)

**SKYWARN URL:** <http://www.wx2phi-skywarn.org>

**SKYWARN Net Repeater Listing/ Streaming Audio of scheduled SKYWARN Net:** <http://www.skywarnnet.net>

➤ **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

**2004 Contest Calendar**

<u>Month</u>	<u>Contest</u>
<b>February</b>	21 - 22 ARRL International DX Contest (CW)
<b>March</b>	6 - 7 ARRL International DX Contest (Phone)
<b>June</b>	12 - 14 ARRL June VHF QSO Party 26 - 27 ARRL Field Day
<b>July</b>	10 - 11 IARU HF World Championships
<b>August</b>	7 - 8 ARRL UHF Contest 21 - 22 ARRL 10 GHz and Up Contest



## ATLANTIC DIVISION HAMFESTS - 2004

➤ + indicates ARRL Hamfest

- 10 Apr 2004 + Eastern Shore Hamfest & Computer Show  
Easton ARS Easton, MD <http://www.k3emd.com>
- 2 May 2004 + Warminster ARC Wrightstown (Bucks County), PA
- 20 Jun 2004 + East Coast Long Wire Association  
<http://www.qsl.net/eclwa> North Wildwood, NJ
- 3 Jul 2004 + Murgas ARC Wilkes-Barre, PA  
<http://www.qsl.net/k3ytl>
- 11 Jul 2004 + Mid-Atlantic ARC Kimberton, PA  
<http://www.marc-radio.org/hamfest.html>

### CONVENTIONS and CONFERENCES

- 27-28 Mar 2004 \* Maryland State Convention  
Baltimore ARC Timonium, MD <http://www.gbhc.org>

*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.

**No-Code Tech Classes, March 8 - May 24, 2004 7:30 PM - 9:00**

**Extra Class, January 12 - March 22, 2004 7:30 PM - 9:00**

**At The Benjamin Wilson Senior Center  
580 Delmont Avenue, Warminster, PA**

**For information Email [altemus@drs-fsc-comm.com](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
145.330	Hilltown
146.670	DVRA
146.685	Holmesburg
146.925	Willingboro
147.000	Ham Buegers
147.030	Phil-Mont
147.090	Warminster
147.165	Delmont R.C.
147.270	Frankford
147.300	BEARS
147.390	CBRA

### 220

224.580 PackRats

### UHF

442.650	DVRA
443.250	TAG
443.050	Metro-Comm
443.950	Warminster
444.200	BEARS
449.325	KA3WXV
447.475	WR3B
447.625	WE3E
448.225	Penn Wireless

### 6 Mtr

53.030	WA3BXW
53.230	N3DQZ
53.370	K3MFI

### 1296

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

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

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

The annual dues rate structure is as follows:

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

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

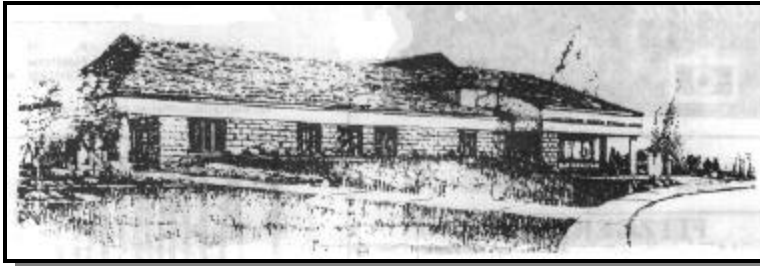
**2004 Officers**

**Executive Officers**

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

**Committee Chairpersons**

Feedback Editor	Jim Elmore	WA4YWM	538-1889
Membership co-Chair	Bud Bechtel	K3TPM	659-9093
Membership co-Chair	Mark Hinkel	WA3QVU	6594449
Field Day '04	Doc Whitticar	W3GAD	968-0641
Field Day '04 co-chair	Stu Simon	K2QBU	345-9295
Grange Fair '04	Doug Crompton	WA3DSP	431-6307
Hamfest '04	Bill Strunk	K3ZMA	822-0749
January '04 VHF Contest	Joe Bagnick	N3EMA	997-2539
PA QSO Party '04	Jack Jones	W3NTD	
Picnic '04	Mark Kempisty	N3GNW	953-1493
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@comcast.net

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

<http://www.k3dn.org>

**Federal Communications  
Commission**

1270 Fairfield Road  
Gettysburg, PA 17325

***License Information***

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

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

**FEEDBACK**

Warminster Amateur Radio Club  
Box 113  
Warminster, Pa 18974

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