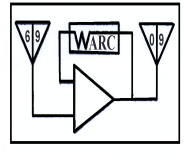




FEEDBACK



Warminster Amateur Radio Club

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

January 2005

Next Meeting January 10th - Receiver Design

President's Message



Hope everyone had a wonderful Holiday Season with family and friends. The New Year is upon us and as I write this I can't help but wonder what new and exciting challenges 2005 will bring us. We celebrated 40 years of service as an amateur radio club in December. The Board of Supervisors from Warminster Township recognized us for our contributions during our 40 years in Warminster. The Township Supervisors and staff presented a Proclamation to George N3HBT and myself at their meeting on December 16, 2004. I will bring that to the January club meeting for all of you to see. As a member of this club I have always taken pride in the public service that we provide. I look forward to many more years of providing that service, and know that all of you feel the same. The club also acquired a new radio and the Board will be working to increase the visibility of the club station. I will be calling on the local Boy Scout district to make their leaders aware of the station and how it may be used to enhance the local Boy Scout program. Most of you know the great work that Steve W3YY has done with the Boy Scouts at Camp Ockanickon in Pipersville. Steve is always looking for volunteers to help staff the station on weekends that the Scouts are at camp so if you're looking for some adventure this is your opportunity. We have our club auction and Hamfest coming in the next few months. These are important events as they help fund expenses associated with the repeater and club meetings. Most of you should realize that for at least the last several years that I have been associated with the club we have not increased membership dues and have no plans to do so now.

January, 2005 Special Events

- Bethpage, NY:** ARRL NYC/LI Section, W2V. 1200Z-2000Z **Jan 9.** Ham Radio University 2005. 14.277 7.277. Certificate. George Tranos, N2GA, PO Box 296, Bellport, NY 11713. www.hudson.arrl.org/nli/hru2005.htm.
- Green Bay, WI:** Bay Area Relay League, W4P. 1200Z **Jan 21-2400Z Jan 23.** Packers Ice Bowl Remembered. 14.260 14.070 7.280. Certificate. George Russell, WN8VIX, 2530 Sun Terr, Green Bay, WI 54311.
- Davidsonville, MD:** Anne Arundel Radio Club Jr, K1D. 1400Z **Jan 22-0200Z Jan 23.** Celebrating 4th anniversary of a club dedicated to kids. 28.335 21.365 14.265 7.237. Certificate. Anne Arundel Radio Club Jr, 7901 Pepperbox Ln, Pasadena, MD 21122-6328. <http://ki3ds.org/specialevent.html>.
- San Diego, CA:** Challenger Middle School ARC, KI6YG. 0000Z-2300Z **Jan 28.** Challenger Middle School commemorates the 19th anniversary of the Space Shuttle Challenger tragedy. 28.475 21.375 14.275. QSL. Frank Forrester, Challenger Middle School, 10810 Parkdale Ave, San Diego, CA 92126.
- Quincy, IL:** Western Illinois ARC, K9E. 0000Z **Jan 28-2359Z Feb 2.** Eagles on the Mississippi at Lock and Dam 21, Quincy, Illinois. 14.250 14.085 14.070 7.250. Certificate. Robert G. Mitchell, 816 Long Dr, Quincy, IL 62305.
- Buckhannon, WV:** Barbour County Area Amateur Radio Club, WV8BC. 1300Z-2100Z **Jan 29.** Klondike Derby with the Allohok Council of Boy Scouts. 7.235 3.865. QSL. Steve Milligan, 11 Park St, Buckhannon, WV 26201. <http://wv8bc.tripod.com>.
- Punxsutawney, PA:** Punxsutawney Area Amateur Radio Club, K3HWJ. 1400Z-2100Z **Jan 29.** Commemorating Groundhog Day 2005. 14.240 7.240 7.125 146.715. Certificate. Sherman Hollopeter, W3QOS, Box 20, 216 E Main St, Big Run, PA 15715.

Courtesy The ARRL Newsletter

The club is financially sound and is working to complete its designation as a 501c3 corporation, a not for profit designation that will solidify future opportunities for charitable contributions as well as savings of sales tax.

The Bucks County Auxiliary Communication Service (BCACS) has organized to fill a void left by the previous ARES RACES organization. The county has funded the purchase of a communications vehicle which most of you saw when Pete N3FGG visited a club meeting last fall. Hams from around Bucks County participate in that

(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)

operation, but we are lacking a few leaders locally who can round out the service. Recently Denise KB3ANO volunteered to work with Bob KA3VKU and others to enhance the BCACS. Most if not all of you should be receiving emails from the Woodard's KW3P and his YL. If you are not hearing from them and would like to, please let me know.

So all in all it looks like 2005 will be an exciting and challenging year. I hope that all of you will take advantage of the opportunities to make your experience as an amateur radio operator the best it can be.

HAPPY NEW YEAR

from the Simek Family!!

News from Bucks County Auxiliary Communications Services

Next Meeting:

Date: Tuesday
January 18, 2005
Time: 7 PM

NOTE: EMERGENCY PHOTO IDENTIFICATION to be taken at the EOC

Red Cross Updates:

The Lower Bucks County Chapter of the Red Cross now has a radio station up and running thanks to Keller Taylor, WA3YSU. Ellen, AA3AI, states not only did Keller handle the wiring and antenna, he also helped purchase and install the radio for the station. She stated the next step for the Red Cross Chapter is to train and license those Red Cross members interested in becoming Amateur Radio Operators. In order better serve the shelters, we are setting training on the Red Cross.

Training Program: There are 3 general training classes that Keller Taylor, WA3YSU, will be setting up training for all BCACS members in reference to the Red Cross. Everyone is asked to

attend.

Repeater Update:

The WRC Repeater, 145.350 MHz is now working. The Northern site repeater has been taken down, the rack being checked by Bob Phillips, KA3VKU.

Hospital Update: WE NEED YOUR HELP!

Please consider volunteering for this specialized emergency communications effort especially if you live or work in close proximity to one of the hospitals. This is an extremely important function of our organization and will need your continued commitment and support to be successful. Contact Rocky, N3FKR, n3fkr@arrl.org to volunteer your support.

There is not much to report that is of general interest. Things are moving, although not as quickly as I would like. I have visited the following hospitals to finalize equipment needs and they are in the ordering/installation phase of the project: Doylestown, Grandview, Lower Bucks, St Luke's, and Warminster. I still have to finalize equipment needs at Frankford-Bucks and St Mary's and hope to have that done by year's end.

Internet Training:

**Amateur Radio
Emergency Communications
(AREC) Certification and ICS**

The Internet has independent study training courses available through the ARRL and FEMA. You can locate the training information for courses on the ARRL website <http://www.arrl.org>. Click on the

Educational tab, Certification/Continuing Education tab. The information will be available for Amateur Radio Emergency Communications Certification Courses. Introductory, Intermediate and Advanced Emergency Communications (Levels I, II and III), Fees: Member: \$45 Non-member: \$75.

The FEMA courses are located on the web site at <http://www.fema.gov/emi/is195.htm> for the Basic Incident Command Training. The Incident Command System (ICS) is recognized as the efficient and effective method to manage emergencies. The ICS works toward the common goal to stabilize the incident, while protecting life, property, and the environment, whether the incident is a multiple agency or single agency incident. "IS-195 Basic Incident Command System. * If you have questions, please read IS-195 FAQ section or send email directly to trainwebmaster@dhs.gov." (Note: The above information on BCACS was provide by Karen Woolard - N3QQT)

MEETING INFO - ANTHONY BUOKAS, VP

Future Meetings:
January - Receiver Design
Lou Poli, N3OL
February - Club Auction

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

(Continued on page 3)

(Continued from page 2)

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

Radio Tubes -- Any tube \$2.00 (except the 6BG6 and 6BQ6, they're \$5.00)
Checked with my Hickok model 800 tester -- All Good Tubes

-- Locktal Type --
Philco 7H7

-- Octal Type --
GE 6BG6
RCA 6BQ6 GT
Sylvania 5V4 ST
Silvertone 6H6
CBS 6J7 Metal
RCA 6K6 (2 available)
GE, Silvertone, RCA 6K6 (no box, all three test good)
Raytheon 6SG7 Metal (2 available)
Hallicrafters 6SG7 Metal (2 available)
Magnavox 6SG7 Metal
CBS 6SK7 GT
RCA 6SK7
Tung Sol 6SK7

Please contact Mark Hinkel
(WA3QVU) 215-659-4449
E-mail: <mrhinkel@ix.netcom.com>

WANTED

Bill, K3ZMA, would like to borrow the following books: ARRL Antenna Book / CD, the 20th Edition or later and the ARRL Antenna Compendiums #3 and #5.
Bill can be contacted at 215-822-0749 or by email at k3zma@k3dn.org , thanks

SOLAR UPDATE

Astral aficionado Tad "Shining Star" Cook, K7RA, Seattle, Washington, reports: For the past week, sunspot numbers were up, and the A index was lower as compared to the previous week. Average daily sunspot numbers and solar flux values rose over 5 points, and the mid-latitude A index was down over 2 points.

For the next week, daily sunspot numbers should be moderately higher, and solar flux should stay above 100 until the last day of the year. At that time, we can look at the average sunspot numbers for 2004 and compare them with previous years. Right now it looks like the average daily sunspot number for 2004 will come in about 40 points lower than 2003 and more than 100 points lower than 2002.

Sunspot numbers for December 16 through 22 were 14, 40, 40, 29, 30, 25 and 47, with a mean of 32.1. The 10.7 cm flux was 90, 89.9, 90.6, 94, 93.9, 101 and 98.8, with a mean of 94. Estimated planetary A indices were 10, 15, 12, 4, 4, 12 and 19 with a mean of 10.9. Estimated mid-latitude A indices were 8, 9, 8, 1, 2, 6 and 12, with a mean of 6.6.

Happy holidays!
Courtesy The ARRL Newsletter

SCAMP ON-AIR TESTING COMMENCES

The Sound Card Amateur Message Protocol--or SCAMP--is not just a conference paper topic anymore. On-the-air testing of the digital communication protocol began in late November, and the first transcontinental communication using SCAMP occurred on December 4. SCAMP is designed to eliminate the need for pricey external hardware for passing e-mail traffic on relatively narrow-bandwidth channels. Rick Muething, KN6KB, prepared a presentation on SCAMP for the ARRL-TAPR Digital

Communications Conference in September.

"SCAMP is an example of what is now possible with sound card, computer and software technology using cooperative amateur efforts," he says. "SCAMP and similar programs like DIGTRX for image transmission offer low-cost alternatives to dedicated or proprietary hardware."

As Muething explains, SCAMP is intended for transmitting messages--text with binary attachments--via 2-kHz bandwidth HF and VHF voice channels. The program is compatible with Winlink2000. SCAMP uses the Redundant Digital File Transfer (RDFT) transport layer, developed by Barry Sanderson, KB9VAK, with the addition of Automatic Repeat Request (ARQ)--the technique all "linked" modes use to ensure error-free transmission--and message layer protocols that Muething developed. He says SCAMP offers a moderate-throughput, error-free protocol that works using conventional sound cards and modestly powered computers.

The RDFT utilities and documentation for the Windows and Linux operating systems have been released under the GNU General Public License (GPL).

Muething says a dozen dedicated testers began initial on-air testing on HF and VHF November 27 using the alpha version of a Windows-based SCAMP client called Paclink SCD that he and Vic Poor, W5SMM, developed.

In addition to Muething and Poor, alpha testers included Scott Thile, K4SET; Bud Thompson, N0IA; Bill Hickey, AB7AA; Howard White, VE3GFW; Dave Wagner, WA2DXQ; Lor Kutchins, W3QA; Larry Trullinger, KB0EMB; Mike Burton, N6KZB; Bill Kearns, WB6JAR, and Steve Waterman, K4CJX. Primary testing was done on 40, 30 and 20 meters, and VHF testing was carried

(Continued on page 4)

(Continued from page 3)

out on 2-meters using both FM and SSB. Alpha testing will continue over the next several weeks, and beta testing is set to crank up in February, Muething says.

The first successful transcontinental exchange of Amateur Radio e-mail messages using SCAMP took place December 4 on 20 meters between N6KZB in Temecula, California, and W3QA in West Chester, Pennsylvania. Each station ran 70 W.

"Several other two-way exchanges were also made over the weekend as operational and protocol bugs were fixed in the alpha software," Muething reports. "The throughput of SCAMP adjusts to the channel quality, reaching a current net maximum of about 4800 bytes per minute before compression gains."

Muething says SCAMP doesn't require anything more than a 1-GHz class Pentium or Celeron processor with a minimum of 128 MB of memory to reach full throughput. Lesser systems may be used at reduced throughput.

The complete SCAMP specification is available and will be released under the GPL as a blueprint for client developers to insure compatibility across different implementations. Muething says further protocol optimization continues to up system throughput and improve its robustness in poor HF multipath channels.

He'd also like to see some band plan restructuring to "open up spectrum for digital modes and encourage new experimentation and development like SCAMP." The ARRL has sought comment from the amateur community on draft proposals <<http://www.arrl.org/announce/bandwidth.html>> seeking to regulate subbands by emission bandwidth rather than by mode. At this point, the proposals remain a work in progress, and the ARRL has not petitioned the FCC for any changes.

Muething has more information on

SCAMP. Contact him via e-mail <kn6kb@arrl.net>. Information on RDFT is available on the Web <<http://www.svs.net/wyman/examples/hdsstv/index.html>>.

Handheld outplays cell phone in accident's wake

When Storey County, Nevada, Emergency Coordinator Randy Davenport, KA4NMA, got into an automobile accident early on December 10, he sure was glad to have his 2-meter handheld transceiver along. "I was going down a side road and hit a sheet of ice," he reports. "I fishtailed into the other lane and nearly hit a car head on! But for some reason, my Ford Explorer turned sideways going down the road, and it did not roll over." Instead, he ended up sliding off the roadway into a creek, sustaining some injuries in the process. "I had no cell phone service, so I grabbed my HT and put out a call on 146.61," he said (the antenna for his 2-meter mobile was broken in the accident). Richard Foreman, KK7SL, an ARES Assistant Emergency Coordinator in Carson City, heard his distress call and dialed 911. "The fire and sheriff department was on the scene within minutes," Davenport said. "Lesson learned: Cell phones do not work everywhere. Always carry a 2-meter radio (or other band) of some sort--handheld with charged battery or mobile--for emergency communication."

FCC approves first software defined radio

The FCC for the first time has approved use of a software defined radio (SDR) device in the US. This new class of equipment allows users to share limited spectrum, increases flexibility and reduces interference concerns. "This is the first step in what may prove to be a radio technology revolution," FCC Chairman Michael K. Powell said after the November 19 action. "The industry's pioneering

work to find more creative and efficient use of our airwaves will continue to bring benefits to consumers." The Laboratory Division of the Commission's Office of Engineering and Technology issued a Grant of Certification to Vanu Inc, a software development company, for a cellular base station transmitter. SDRs can change frequency range, mode or output power without resorting to hardware changes or switches. This programmable capacity permits radios to be highly adaptable to changing needs, protocols and environments. An FCC rule making proceeding, ET Docket 03-108, is pending to further streamline SDR requirements. The ARRL has told the FCC that Amateur Radio is "a fertile testing ground" for SDRs and that the technology would be especially valuable to facilitate disaster communications.

Courtesy The ARRL Newsletter

ENHANCED COOPERATION FOCUS OF ARES-RACES-MARS MEETING

Enhancing cooperation among Amateur Radio's emergency service organizations was the subject of a groundbreaking conference November 20 in Castle Point, New York. On hand were Amateur Radio Emergency Service (ARES), Radio Amateur Civil Emergency Service (RACES) and Army, Air Force and Navy-Marine Corps Military Affiliate Radio System (MARS) leaders. While informal

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)

cooperation is nothing new to ARES, RACES and MARS members--many of whom participate in all three organizations--the focus of the Castle Point gathering was on launching more formal regional and national collaboration. ARRL Field Organization/Public Service Team Leader Steve Ewald, WV1X, said he was pleased to be able to participate.

"I thought it was an excellent meeting, and it should lay a foundation for further cooperation between ARRL and our Field Organization and MARS," he said afterward. Ewald also used the occasion to call attention to the ARRL Amateur Radio Emergency Communications courses and the tuition grants available for radio amateurs completing them. Joining him under the League banner were ARRL Field Organization appointees Pete Cecere, N2YJZ, the Eastern New York Section Manager, and Tom Carrubba, KA2D, the New York City-Long Island Section Emergency Coordinator.

Newly designated New York Army MARS-ARRL Liaison Officer

Richard Meiowitz, WA2ELE, organized the session, and New York MARS Director Steve Pertgen, W2FXJ, chaired the meeting at the Castle Point Veterans Administration Medical Center.

Keynote speaker was Army MARS Eastern Area Coordinator Robert Hollister, AA9E/N7INK, from Ft Huachuca, Arizona (and the author of "A Portable NVIS Antenna," which will appear in the January 2005 QST). He expressed the hope that MARS management and ARRL would join forces to pursue the goal of interoperability. To jump start that initiative, Hollister provided an overview of the US Department of Defense (DoD) MARS program and its emphasis on providing emergency communication support to a wide variety of military and government response agencies.

In September, Hollister asked MARS stations and nets to coordinate with ARES/RACES and local ham radio operators to assist in handling hurricane-related health-and-welfare traffic. Amateur Radio and the military already collaborate informally each May during the Armed Forces

Day communications tests, when hams and military stations engage in crossband contacts. Several pilot operations also have employed ARES/RACES members in past Army Reserve exercises at the local level.

Among proposals was a suggestion to seek FCC permission to conduct year-round interoperability training and emergency operation. It also was proposed that the amateur community assist MARS in providing early warning notification of emergency situations--so-called "Essential Elements of Information" messages -- for relay to the DoD and the Department of Homeland Security.

Following Hollister's briefing, MARS Eastern Area Emergency Operations Chief John Scoggin, W3JKS, of Wilmington, Delaware, discussed last summer's nationwide Grecian Firebolt 2004 (GF-04) Army Signal communication exercise--the biggest MARS drill ever. At Pertgen's suggestion, Meiowitz tested the feasibility of MARS-ARES-RACES collaboration during GF-04, and ARES volunteers from eastern New York took part in the exercise, which involved a home land defense/ homeland security scenario. Meiowitz called it "a small but successful joint effort." Ewald noted that the Grecian Firebolt exercises were similar in nature to the ARRL's Simulated Emergency Test each fall. Hollister suggested that ARES/RACES participation in the next annual Army Signal exercise be worked out on a state-by-state basis. Also proposed was the designation of additional MARS-ARRL liaison officers at the state level.--Bill Sexton N1IN

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>

2005 Contest Calendar

Month	Contest
January	1 Straight Key Night 22 - 24 ARRL January VHF Sweepstakes
February	19 - 20 ARRL International DX Contest (CW)
March	5 - 6 ARRL International DX Contest (Phone)
June	11 - 13 ARRL June VHF QSO Party 25 - 26 ARRL Field Day



> 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, Anthony Burokas KB3DVS

ATLANTIC DIV. HAMFESTS - 2005

➤ + *indicates ARRL Hamfest*

12 Jan 2005 9th Annual Winter "Auction-Fest" Phil-Mont Mobile Radio Club Philadelphia, PA The Masonic Village 801 Ridge Pike Lafayette Hill, PA <http://www.phil-mont.org>
 30 Jan 2005 + 2005 MMARC Post Holiday Hamfest Odenton, MD Maryland Mobileers ARC <http://www.qth.com/mobileers/>
 1 May 2005 + Antietam Radio Association Hagerstown, MD <http://www.w3cwc.org>
 1 May 2005 + Warminster ARC Wrightstown (Bucks County), PA <http://www.k3dn.org>

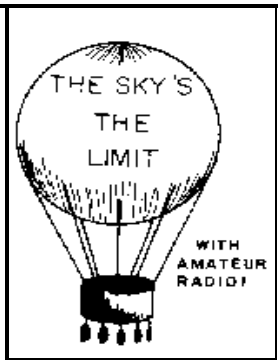
CONVENTIONS and CONFERENCES

2-3 Apr 2005 Maryland State Convention/Greater Baltimore Hamboree & Computerfest Baltimore Amateur Radio Club 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 6:30 PM Bellmawr Comm. Senior Citizens Center Browning Rd. at Lewis St. Diane Nafis N2LCQ, 856-228-8088.
- ◆ **Levittown, PA**, Monthly, 1st Saturday - George LeNoir, WR3B, 215-943-4886.
- ◆ **Telford, PA**, Monthly, RF Hill ARC. 3rd Monday at the Indian Valley Library. Charles Schmell, KB3CEZ, 215-257-6368 days 215-538-7458 evenings.
- ◆ **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 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
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	
1295.000	K3PHL (-20 MHz split)

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@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.

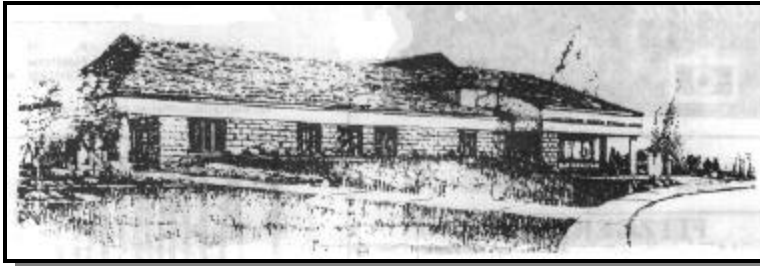
2005 Officers

Executive Officers

President	Tony Simek	N3YNH	674-5218
Vice-President	Anthony Burokas	KB3DVS	632-3283
Secretary	Dan Myers	KB3IBQ	957-2343
Treasurer	Burt Ludin	N3YVH	441-4483
Director (E)	Tom Michaud	WA3TQJ	343-3494
Director (E)	George Brechmann	N3HBT	443-5656
Director (A)	Al Konschak	WI3Z	491-9941
Director (A)	Hugh Hart	N3SOQ	773-8451
Past President	Mark Kempisty	N3GNW	953-1493

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 '05	Doc Whitticar	W3GAD	968-0641
Field Day '05 co-chair	Stu Simon	K2QBU	345-9295
Grange Fair '05	Doug Crompton	WA3DSP	431-6307
Hamfest '05	Bill Strunk	K3ZMA	822-0749
January '05 VHF Contest	Joe Bagnick	N3EMA	997-2539
PA QSO Party '05	Mark Kempisty	N3GNW	953-1493
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
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	542-0593
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 second Monday 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

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