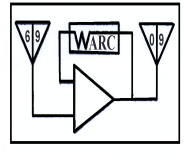




FEEDBACK



Warminster Amateur Radio Club

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

September 2004

Next Meeting September 13th

President's Message



This past week the Middletown Grange in Wrightstown held its 56th annual Fair. This country fair is a celebration of the hard work of many people; men, women and children who grew vegetables and raised animals and brought them to the fair to be judged and admired. While an occasional bout of rain occurred, the enthusiasm of the participants and attendees was not dampened. The entire building #2 (the building where WARC gives license exams during our Hamfest) was occupied by numerous displays of youngsters who participate in 4H clubs. Some of the displays were as good as any science fair stuff I've ever seen. And the stage was busy the whole time. When I was there on Wednesday, there was a polka band. And on Saturday night Ray Kramer and his country western band entertained a thoroughly satisfied crowd. There was the usual collection of amusement rides for the kids and of course lots of commercial vendors. Some might say that there was too much commercialism, but lets face it. Without the support of the many fine businesses there, the fair wouldn't have been half as successful. There was a car dealer, an rv dealer, and many vendors to landscape, cool and make your house a better place to live. The tool man was there (I don't know his name), but we see him at Hamfests from time to time. You could buy horse riding apparel, cowboy hats and all kinds of crafts. I don't know what kind of numbers the fair draws, but for the short time that I was there, there were a lot of people.

Many thanks to those of you who were able to come out and help with the club

ATTENTION!!!

NOTE OUR NEW MEETING DATE. WE NOW MEET ON THE SECOND MONDAY OF THE MONTH. THAT MEANS THAT THE MEETING DATE FOR SEPT. IS THE 13TH.

September, 2004 Special Events

- Argonia, KS:** Boeing Employees Amateur Radio Society of Wichita, KS, KC0AHN. 1400Z Sep 3-2000Z Sep 6. Airfest (sponsored by Klodubusters). 28.365 21.365 14/265 7.265. Certificate. Boeing Employees Amateur Radio Society, Randy Wind, N0LD, 13038 SW 186th St, Rose Hill, KS 67133-8559. www.ourtownusa.com/~bears/.
- Stroudsburg, PA:** Pocono Amateur Radio Klub and Eastern Pennsylvania Amateur Radio Association, W3PRK/N3IS. 1400Z-2000Z Sep 4. Pocono Garlic Festival. 7.250. Certificate. Dave Haney, W3SJ, RD 1 Box 1250, Stroudsburg, PA 18360. www.qsl.net/w3prk.
- Newark, DE:** NERDS, NY3C. 0000Z Sep 4-2300Z Sep 6. Only Revolutionary War battle fought in Delaware at Cooch's Bridge. 21.270 14.270 7.270 3.870. Certificate. Gene McDowell, NY3C, 1705 Godwin Dr, Newark, DE 19702.
- San Bernardino, CA:** Citrus Belt Amateur Radio Club, W6A-W6O. 0000Z Sep 4-2400Z Sep 12. 5th annual Route 66 On The Air. 28.466 21.266 14.166 7.266. Certificate. Citrus Belt Amateur Radio Club, PO Box 3788, San Bernardino, CA 92413. www.qsl.net/w6jbt.
- New Philadelphia, OH:** Tusco Amateur Radio Club, W8ZX. 1300Z-1800Z Sep 5. Harry Clever Field Aviation Fly-in and the Wright Flyer. 14.300 7.250 3.950. Certificate. Tim Ashcraft, 502 Oakdale Dr, Dover, OH 44622. www.noard.com/tuscoarc.htm.
- North Judson, IN:** Starke County Amateur Radio Club, W9JOZ. 1300Z-2100Z Sep 11. Hoosier Valley Railroad Museum Open House. 14.240 7.240. QSL. Starke County ARC, 405 W Jackson St, Knox, IN 46534.
- Roanoke, VA:** Roanoke Valley Amateur Radio Club, W4CA. 1400Z-2100Z Sep 11. Commemorating N & W Steam Locomotives. 14.260 7.260. QSL. Ray Crampton, 1670 Catawba Rd, Troutville, VA 24175.
- Freedom Township, OH:** Portage Amateur Radio Club, KB8UUZ. 2100Z Sep 17-0200Z Sep 20. National POW/MIA Awareness Day. 28.375 21.375 14.235 7.245. Certificate. Tom Parkinson, 9992 State Route 700, Mantua, OH 44255.
- Butler, PA:** Butler County Amateur Radio Association, W3UDX. 1300Z-1800Z Sep 18. Birthday of the Jeep. General bands 80 to 10. QSL. BCARA, PO Box 1787, Butler, PA 16003.
- Springfield, IL:** Sangamon Valley Radio Club, W9DUA. 1600Z Sep 25-2000Z Sep 26. 3rd Annual International Route 66 Mother Road Festival. 14.280 14.250. QSL. Sangamon Valley Radio Club, 1025 S Sixth Street, Springfield, IL 62703. www.w9dua.com.
- Fairmount, IN:** Grant County Amateur Radio Club, W9EBN. 1500Z-2200Z Sep 25. James Dean Country Where Cool Was Born and Car Show. 146.79 28.430 14.243 7.244. Certificate. L. B Nickerson, 517 N Hendricks Ave, Marion, IN 46952. www.grantarc.com.

Courtesy The ARRL Newsletter

special event station. I especially want to acknowledge the work of Doug Crompton WA3DSP and Randy Gehman N3LJE whose leadership and organization made this a special event for the club. Many people stopped to listen to the activity and even though they some didn't come to the table to ask questions or pick up any of the flyers we had there, you could see their eyes open a little wider whenever a contact gave their distant QSO over the air. Personally I've always admired the Ham who could get on the air and in

(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)

short order be talking to other Hams from around the country. If you like to do dx'ing, you missed a great opportunity because people were actually looking for our special event station. Ah, but there is always next year.

There were a fair number of people who stopped and asked if Ham Radio was alive and well in the era of the Internet. We told them it was and some expressed interest in attending the No-Code Tech classes starting in another week or so. Others were invited to come to a club meeting and see what we're all about. So don't be surprised if there are a few new faces at our next meeting. I'll let Doug give a more thorough report of the weeks activities at the Fair when the club meets on September 13th. Until then just bear in mind that life is just a series of missed opportunities. Think about that when the next volunteer list comes around the table.

Minutes for the General Meeting August 9, 2004

Meeting called to order by the President at 7:40 pm.

VISITORS-

Michael Davis KB1JBY, Ben from Penn Wireless and Lloyd (no license).

INTRODUCTIONS-

Club members introduced themselves by call and name.

Treasurers Report

FUTURE MEETING PROGRAMS-

September- TBA

October- TBA

November- Annual ARRL night

December- Annual Holiday Social
Dinner

There will be a program on HDTV at some point in the near future.

If anyone has any suggestions for future meeting topics please see the Vice-President, Anthony Burokas(KB3DVS).

COMMITTEE REPORTS-

Doug(WA3DSP) is still looking for operators to help out at the Grange Fair Special Events Station from Wednesday August 18 to Sunday August 22. Doug will not be available for set-up Tuesday night or operating on Wednesday. He will be there Thursday through Sunday. Bill(K3ZMA) and Randy (N3LJE) will take charge on Tuesday and Wednesday. About 100 copies of certificates, to serve as QSL cards, are needed. The certificate will reflect the 90th anniversary of the ARRL and the 50th anniversary of the ARS (Agricultural Research Service). The certificates will be mailed to those providing SASE.

Polish American Festival-

September 4 to 6 and 11, 12. Volunteers still needed for communications and ticket booths. Non-hams are welcome. Hours are from 9:30am to 6:30pm all days. See Burt(N3YVH) for sign up.

Hatboro Car Show-

George(N3HBT) thanked the 12 operators that helped with parking and traffic control. They worked the north end of town from 1 to 4pm.

Boy Scouts- Steve Larson(WW3Y) reported that 100 boys received their merit class badges. 37 boys received badges within 3 days. Steve thanked Ryan Panko(sp?) for helping out.

PA QSO Party-Second full weekend in October (October 9 and 10). The WARC will submit scores as a club total. The contest starts Saturday at noon to 1am Sunday and then again on Sunday until 6pm. The points for PA section are as follows: 1 pt for SSB, 2 pts for CW and 1.5pts for 160 meter. Logs will be done by computer and can be emailed to Mark(N3GNW).

PUBLIC SERVICE- See George (N3HBT) for sign up.

Hole-In-One Golf Outing- at Warminster 5 Ponds Golf Course on Columbus Day, October 11, 2004. 10 operators needed from 7:30am to 1pm.

Treads for Threads- Six operators needed on October 23, 2004 at the Warminster Community Park.

Women's YMCA Nationals - Those in charge of this event were very impressed with the conduct of the WARC, especially as it related to a security issue. The club was mentioned in the events program.

CLASSES-

George(KA3WXV) will be conducting No-Code Tech classes starting the 2nd Tuesday in September for 12 weeks, from 7:30 to 9pm.

OLD BUSINESS-

None

NEW BUSINESS-

Flyers are needed to notify everyone about the change of night for the club meetings.

Does the club need to purchase a new HF radio? The current club radio has a broken phase-lock-loop. The President did want to take time discuss this matter at the meeting, but instead referred it as a D and O Board matter. The board is currently looking into finding a replacement radio.

Donuts are not available on Mondays. Instead the refreshments will be danish, unless the members object.

GOOD and WELFARE-

None

The business portion of the meeting was concluded at 8:10pm.

The topic for the night was Rocket Science presented by Steve Larson (WW3Y).

(Continued on page 3)

(Continued from page 2)

MEETING INFO - ANTHONY BUKOKAS, VP

Future Meetings:
HDTV - Pete Putnam
November - ARRL Night
December - Holiday Dinner

PUBLIC SERVICE

October 23 at 8:00 AM treads for threads 5 k walk at Warminster community park.

The next hole-in-one golf outing is on Monday, October 11 and will run from 7:30 am until around 1:30 pm. I will need about 10 hams to man the holes and after the event there will be a hot meal provided. The golf event is on the same day as the clubs October meeting. 73

George N3HBT

CLUB STATION

The WARC club station is open to anyone with an interest, on Tuesday evenings between the hours of 7:00 and 9:00 pm. For further information, call George Brechmann N3HBT at 215-443-5656.

WARC ALUMNI MEMBERSHIP

Attention all former WARC members. At the March 4, 1999 General Meeting, revisions to our club's constitution were approved that among other things, establishes a new Alumni membership category for former WARC members who are unable to attend meeting and Club activities on a regular basis due to health considerations or travel impediments. Dues for the Alumni membership were established at \$8.00 annually to cover the costs of printing and mailing our monthly FEEDBACK newsletter. Contact Alumni Coordinator Randy Gehman (N3LJE) or Membership co-chair Bud Bechtel (K3TPM) or Membership co-chair Mark Hinkel (WA3QVU) for more information.

FOR SALE

ITEM 1

Icom 706 - Original w/2m.
Excellent condition. Full output in all modes and bands.
Includes original manual, and power cable.

Includes IC-SM6 desk mic w/ adaptor cable for 706.
Includes HM-103 Handheld Mic.
Also includes cable for detachable faceplate.

Everything in excellent condition. This is a 100% full duty cycle radio excellent for digital modes. Originally my first rig years ago. I have since moved on to other radios and this one just sits, unused except for a few hours of use on field day.

I'D LIKE TO TRADE FOR:

Yaesu FT-100 or similar rig.
HF/2m/440 w/detachable face and hand mic.

If you have something close-contact me:

anthonybme@verizon.net
215-632-3283.

Anthony (WARC member)
KB3DVS

ITEM 2

Zip 100Mb Drive -- Like New; Iomega "external" Zip drive for use on the parallel port of any computer. These are used for back up on older PC's running Windows 95 or 98. You daisy chain your printer thru the Zip Drive. I've downloaded the Zip drivers for Win95 and Win98 to a standard floppy -- once it's up and running, the Zip disc has all info for operating a back up program. I purchased this used for \$25 or \$30, and started to back up my programs -- I then picked up a USB card for the computer and now run a USB external HD. The Zip is now excess -- with P/S and cable. \$15.00

Calectro analog Multi-Meter -- Like

New; GC Electronics "Calectro cat no. H3-355". Small analog meter with 4 ohms ranges, 5 DCv ranges, 5 ACv ranges, and a db range. 30k ohms per volt DC, 15k ohms per volt AC. Has a very unusual scale; on the 15v range, each small line is one quarter volt -- heavy lines are marked 2.5, 5, 7.5, 10, 12.5, and 15 volts. Kind'a neat, and fairly accurate. With two sets of leads and the original box. Very clean. \$15.00

Standard model SR-270u; AM/ FM Stereo Receiver/ Amp. Older style (not a rack mount) stereo radio in mid-size wood cabinet. RCA jacks on the back for Phono, Tape, and Aux. inputs. Works well, audio sounds very good. Sold w/o speakers. \$5.00

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

Centimeg 432Mc receive converter -- Old Tube Type; I recently picked this up at a Pack Rats "Mario Auction" -- looks OK. I have a Acopian P/S that I'll put with it (120v in -- dual 150v DC at 100ma outputs). And I'll throw in an old TV UHF converter. Great for anyone putting together a

(Continued on page 4)

(Continued from page 3)

"Vintage" 432 station. \$5.00

MCM Electronics Mobile "On Glass" Cell Phone Antenna -- NIB; A very nice 14in cell phone antenna for the older car phones with an antenna connector (I had two of the bag phones), or for use with a full mobile mount (hands free kit that uses an external antenna hook-up). Includes antenna, thru glass transducer, cable, and a TNC connector. \$2.00

Tektronix model 541 oscilloscope w/ type 53/ 53c plug in unit; This is a large 5in, 20Mhz dual channel scope. It is not working properly -- it tries to start, but dies -- probably a power supply problem. I bought it two or three years ago at the club auction for \$5.00. Then I purchased both manuals for \$33.50. I just don't have time to look at it, maybe you do?? I'd like to get about half my cost out of it.

\$15.00 Or FREE to any club member who'd like to try repairing it. This was a very expensive scope in it's day -- maybe it still has some life.

HP Computer Switching P/S -- 10 x 6 x 3 1/2 inches; Unusual design with two fans (internal and external). 120/240v input -- +5v 18a / -5.2v 2a / +12v 10a outputs. Has an external jumper designed for use with a separate on/ off switch. Works rather well. \$4.00

Walkirk Phantastron unit -- NIB; This looks like a small tube adapter, but it's not. The Phantastron is a timing circuit designed by the Englishman F C Williams -- it supplies a sweep saw tooth pattern to early military radar units and gives target range step markers. All very interesting to look up -- I'd like to find out more about this unit and hook it up, even if only to look at on an oscilloscope. Add to your museum collection. Free!
<http://www.computer50.org/mark1/williams.html>
<http://www.tpub.com/neets/book18/81b.htm>

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

LOOKING FOR CW PRACTICE

I'm looking for anyone that would like to have an occasional practice CW QSO.

My radio can work any band, but is best at 40 meters and above. HF, VHF, it does not matter to me. I can work about 5 wpm and I'm interested in improving that.

Thanks very much for your time and attention.

73,
 Steve Schnell, KB3HKB

e-mail: KB3HKB@runbox.us

SOLAR UPDATE

Sun gazer Tad "That Lucky Ol' Sun" Cook, K7RA, Seattle, Washington, reports: Solar flux and sunspot numbers rose this week, with August 13 and 14 being peak days for both. With low, stable geomagnetic indices, HF conditions were good, and there were no days with notable geomagnetic upsets.

Sunspot 649 has rotated off the western limb of the sun, and on August 18 it emitted a large coronal mass ejection. Since it is facing away from Earth, we are not likely to be affected.

Geomagnetic indices are expected to rise, then decline again over the next few days. Expected planetary A index for August 20-23 is 15, 12, 10 and 12. Expected solar flux for the same days is 115, 110, 105 and 100.

Sunspot numbers for August 12 through 18 were 140, 160, 111, 98, 68, 63 and 53, with a mean of 99. The 10.7 cm flux was 147.2, 148.6, 149.2, 138.8, 133.6, 135 and 139.9, with a mean of 141.8. Estimated planetary A indices were 9, 9, 9, 7, 8, 11 and 13, with a mean of 9.4. Estimated mid-latitude A indices were 6, 5, 6, 3, 5, 9 and 10, with a mean of 6.3.

Courtesy The ARRL Newsletter

ARRL GOES TO BAT FOR ARIZONA AMATEURS, SEEKS BPL FIELD TRIAL SHUTDOWN

The ARRL has asked the FCC to immediately shut down a broadband over power line (BPL) field trial in the Cottonwood, Arizona, area because it's causing "severe interference" to Amateur Radio communication. Electric Broadband LLC and utility APS have been operating the BPL experiment at two Yavapai County sites since June under a Special Temporary Authorization (STA) the FCC granted Electric Broadband in March. Michael Kinney, KU7W, filed the first Amateur Radio complaint in June. It cited testing by the Verde Valley Amateur Radio Association (VVARA) <<http://www.vvara.org>> in the 1.8-30 MHz range to show that BPL interference made attempts at ham radio communication useless.

"The interference on typical Amateur Radio equipment shows

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)

received undesired signal levels in excess of 60 dB over S9 on the receiver's signal strength meter," ARRL General Counsel Chris Imlay, W3KDK, told FCC officials on the League's behalf. "The utility and Electric Broadband were contacted, and no response was received." The ARRL asserted that both companies are aware that the BPL field trial has been causing harmful interference and "neither has taken any steps to either resolve it or terminate the test."

The League said VVARA and ARRL testing indicates "extremely high" levels of radiated RF energy on amateur HF allocations--well in excess of the FCC Part 15 levels with which Electric Broadband told the FCC it would comply. VVARA testing revealed "actual harmful interference" from the BPL system to mobile stations in the vicinity and to a fixed station.

The League's shutdown request went out August 16 to FCC Enforcement

Bureau Chief David Solomon and Deputy Office of Engineering and Technology Chief Bruce Franca.

ARRL called on the FCC to instruct Electric Broadband and APS to shut down the BPL trial immediately and not resume operation until it can demonstrate that all interference issues have been resolved. It also insisted that the FCC immediately revoke any STAs granted for the Cottonwood or nearby operations, and that it institute forfeiture proceedings against the two companies for knowingly causing harmful interference.

VVARA submitted a lengthy and comprehensive report to the two companies and to the Commission in late July detailing the interference issues. The club took baseline measurements in January, before the BPL trial began, and it's continued taking measurements since the system's startup. ARRL Lab Manager Ed Hare, W1RFI, conducted independent tests of the Cottonwood BPL system in July, and the League attached a summary of

his findings to its letter.

The VVARA and ARRL measurements, the League said, indicate widespread interference to Amateur Radio communication in an area within a mile of the BPL field trial, and radiated emissions from BPL modems at levels "several orders of magnitude higher" than the FCC Part 15 limits. One ARRL measurement cited was more than 32 dB higher than Part 15 allows. The League further accused Electric Broadband of misrepresenting facts to the Commission by saying it would comply with §15.109 of the FCC's rules.

The ARRL said continued operation of the system while violating the conditions under which the STA was granted constitutes "willful and repeated interference," and both the utility and the BPL provider should be subject to fines as a result.

"ARRL requests that this test station be shut down immediately and that the appropriate monetary forfeitures be imposed against both Electric Broadband and APS," the League concluded.

Courtesy The ARRL Newsletter

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>

2004 Contest Calendar

<u>Month</u>	<u>Contest</u>
September	11 - 12 ARRL September VHF QSO Party
	18 - 19 ARRL 10 GHz and Up Contest
November	6 - 8 ARRL November Sweepstakes (CW)
	20 - 22 ARRL November Sweepstakes (Phone)
December	3 - 5 ARRL 160 Meter Contest
	11 - 12 ARRL 10 Meter Contest



➤ 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 DIVISION HAMFESTS - 2004

➤ + *indicates ARRL Hamfest*

- 18 Sep 2004 + Delaware Lehigh ARC Schnecksville, PA
<http://www.dlarc.org>
- 18 Sep 2004 + York Hamfest Foundation York, PA
<http://www.yorkhamfest.org>
- 11 Sep 2004 + Pocono ARK & Eastern PA ARA Bartonsville, PA
<http://www.qsl.net/n3is/hamfest.htm>
- 10 Oct 2004 + Mt. Airy VHF Club Wrightstown, PA
<http://members.ij.net/packrats/latest.htm>
- 17 Oct 2004 + RF Hill ARC Sellersville, PA
<http://www.rfhill.ampr.org>

CONVENTIONS and CONFERENCES

- 11-12 Sep 2004 * Maryland/DC Section Convention Gaithersburg, MD
Foundation for Amateur Radio
<http://www.amateurradio-far.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 Schmel, 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.

No-Code Tech Class starting September 14th
For 12 weeks every Tuesday 7:30 - 9:00 PM
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.

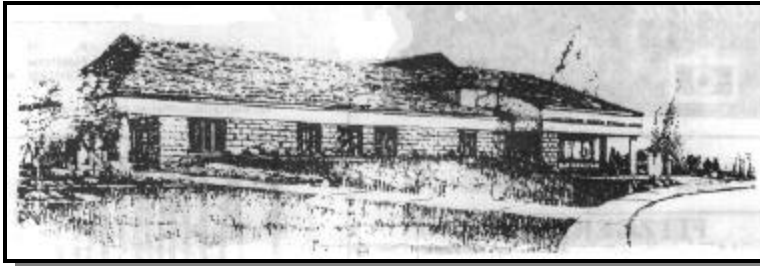
2004 Officers

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 '04	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 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

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