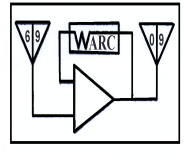




FEEDBACK



Warminster Amateur Radio Club

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

August 2004

Next Meeting August 9th - Spacecraft Construction

President's Message



The new program year got off to a pretty good start on July 1st with "Elmer's Night." I appreciate all of you who participated, with questions and answers. We were fortunate to have had a few new faces that night, so they could see what being a Ham is all about; never any shortage of a willingness to help. It's always been that way for the Warminster Amateur Radio Club. As we work our way through the summer, you will hear calls for help at upcoming events like the Hatboro Car Show (the "MOTHER OF ALL CAR SHOWS") on July 31st. Then there's help needed at the Grange Fair in August and the Polish Festival at the Shrine of Czestochowa in September. If past experience is any indication, these events and others will be successful because there is never any shortage of Hams who are willing to give up some of their time to help other community service organizations accomplish their activities. In many cases your presence and the clubs presence at these events is more than just providing an extra pair of hands. It is an opportunity to tell the public about Amateur Radio, its people and its capabilities. Besides, now that you've bought all that expensive radio gear, you should use it regularly so that if and when a disaster occurs you can change frequencies, tone settings, etc. without having to go to the manual. These events are good practice for you personally to use your skills as a Ham in a non-emergency situation to allow yourself to become more comfortable with radio equipment and proper radio-net etiquette. I hope to see all of you at one or more of these upcoming events, as well as at club meetings.

ATTENTION!!!

NOTE OUR NEW MEETING DATE. WE NOW MEET ON THE SECOND MONDAY OF THE MONTH. THAT MEANS THAT THE MEETING DATE FOR AUGUST IS THE 9TH.

August, 2004

- Bernegat Light, NJ:** Old Barney Amateur Radio Club, N2OB. 1300Z-2200Z **Aug 7.** ARLHS Lighthouse #USA -039, IOTA NA-111, USI-NJ001S. 14.280 7.280. QSL. Old Barney ARC, PO Box 345, Tuckerton, NJ 08087. Raindate August 8. <http://www.obarc.org/>
- Canton, OH:** Canton Amateur Radio Club, W8AL. 1300Z **Aug 6-0200Z Aug 8.** Annual Pro Football Hall of Fame Festival. 28.365 21.365 14.265 7.265. Certificate. Donald E. Perry, WQ8J, 968 Culverne Ave NW, Massillon, OH 44647.
- St Augustine, FL:** St Augustine Amateur Radio Society, N4AUG. 1400Z **Aug 7-2200Z Aug 8.** Activation of St Augustine Lighthouse #789 for NLLW. 21.270 14.270 14.035. QSL. SAARS, PO Box 860084, St Augustine, FL 32086-0084. www.saars.net
- East Tawas, MI:** Hazel Park ARC, K8S. 0000Z **Aug 7-0000Z Aug 9.** National Lighthouse-Lightship Weekend from Tawas Point Lighthouse, Tawas Point State Park. 28.370 21.370 14.270 7.270. Certificate. Gary I. Sklar, K8IKW, 7296 Green Farm Rd, West Bloomfield, MI 48322.
- Window Rock, AZ:** Navajo Amateur Radio Club, N7C. 1400Z **Aug 14-0200Z Aug 15.** Com--memorating Navajo Code Talkers Day. 14.260 14.033 7.260 7.033. QSL. N7HG, PO Box 3611, Window Rock, AZ 86515.
- Wrightstown/Grange Fair, PA:** Warminster Amateur Radio Club, K3DN. **1600Z Aug 18-2000Z Aug 22.** 50th anniversary of the Agricultural Research Service and 90th ARRL anniversary. 21.280 14.280 7.280 3.880. Certificate. Warminster ARC, Box 113, Warminster, PA 18974.
- Saranac Lake, NY:** North Country Chapter American Red Cross, W2B. 1400Z-2000Z **Aug 21.** Celebration of Flight, Lake Clear Air Show. 14.257 14.030 7.250 7.045. QSL. Roland Patnode, W2WIZ, 162 Neil St, Saranac Lake, NY 12983.
- Burnt Island Lighthouse, ME:** Yankee ARC, KA1RFD. 0001Z **Aug 21-2359Z Aug 22.** International Lighthouse/Lightship Weekend. 21.270 14.270 7.270. QSL. Rod Scribner, KA1RFD, RR 4 Box 6770, Gardiner, ME 04345.
- St Augustine, FL:** St Augustine Amateur Radio Society, N4AUG. 1400Z **Aug 21-2200Z Aug 22.** Activation of St Augustine Lighthouse #789 for ILLW. 21.270 14.270 14.035. QSL. SAARS, PO Box 860084, St Augustine, FL 32086-0084. www.saars.net
- Tuckerton, NJ:** Old Barney Amateur Radio Club, W2T. 1300Z **Aug 21-2200Z Aug 22.** ARLHS Lighthouse #USA-911 and 4th Annual Classic Boat Festival. 14.280 7.280 146.835. QSL. Bob Schenck N2OO, PO Box 345, Tuckerton, NJ 08087. <http://www.obarc.org/>

Courtesy The ARRL Newsletter

Excuse the faux paw . . .

In last month's newsletter we failed to give thanks to our guest Don Schenck and his friend Wendy who brought Jake and Jake's litter brother, Levi, the Wonder Dogs. The June meeting night was a Pizza Social with display of club members' Home Brew skills. We had an opportunity for Paul and his dogs to perform for the club so we added them to our agenda that night. Everyone enjoyed watching the dogs display their math skills, which was amazing. 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)

some cases I couldn't figure out the problem without the use of a calculator, but the dogs didn't need one to solve the problems they were given. Some of you may know Paul who currently resides in the Harrisburg area. Don is a former WARC club member whose son is also a familiar face in the club. Thanks to Don, Wendy, Jake and Levi for visiting with us on June 10th.

For more information about Jake and his schedule, go to:

<http://www.wonderdogjake.com>

Minutes of the WARC July 1st 2004 Club Meeting

Attendance: See Sign-in Book

Call to Order: 7:40 PM

Minutes of Last Month:

Minutes were printed in the Feedback. There was one comment:

There was no mention of our guests Don Schenk and the Wonder Dogs.

Jake and Levi. Tony Simek will put a paragraph in the next "Presidents Message" acknowledging their attendance.

Committee Reports:

Field Day

In Stu Simon's absence Mark N3GNW reported that Field Day went well in spite of an unexpected medical condition of the cook. The YL is doing fine; Mark and others covered kitchen duty admirably.

Public Service Events

There were sign up sheets at tonight's meeting for the YMCA Women's Gymnastics Events, which were scheduled in Hatboro for the Fourth of July weekend. This event is rotated throughout the United States and comes to this area

about once every 30 years. Volunteers were still needed. Questions were directed to George N3HBT.

Signup sheets were also circulated for the Hatboro Car Show on July 31st and the Polish Festival on Labor Day Weekend and the weekend following Labor Day. Questions may be directed to Burt N3YVH.

New Business

Due to a change in the availability of the Senior Center on Thursday nights, the general club meeting night has been changed to the second Monday of each month, beginning in August. **The next general meeting of the Warminster Amateur Radio Club will be on Monday, August 9th at 7:30 PM in the Ben Wilson Senior Center.**

Board meetings will continue to be held on the last Thursday of each month. The next meeting of the WARC Board will be on Thursday, July 24th at 7:30 PM.

MEETING INFO - ANTHONY BUROKAS, 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 Grange Fair is approaching on August 18th through the August

22nd. Setup will be on August 17th in the afternoon. Two special events will be combined: 50th Anniversary of the Agricultural Research Service and the 90th Anniversary of the ARRL.

People are needed for:

Setup
Greeting
Operating
Teardown

Contact Doug Crompton WA3DSP at doug@crompton.com or (215) 355-5307

Operators will be needed again this September for the Polish Festival. Burt, N3YVH, will be the coordinator. He needs 10 operators/day.

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.

(Continued on page 3)

(Continued from page 2)

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 PC 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

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

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

40ft crank up tower. I finally found the paperwork; The tower is an "E-Z-Way" model GP-RBS 40-45. It's made in two 20ft sections, one slides inside the other with a 4ft overlap. The top rotor section bolts on and adds 4ft -- back to 40ft. Includes the house bracket and base plate, guy wires w/ large turn buckles, and at least one earth anchor.
Also includes an Alliance dual

speed rotor (model HD-73-1). My father used this with a tri-bander and a couple of 2m yagis -- old, but still in very usable condition. \$150.00

Yaesu NC-29 desk top charger -- NIB; This will charge the FNB12/17/14 batteries for FT-23/33/41/470 radios. I purchased this for my FT-911 from Henry Radio via an E-Bay sale for \$50. At the same time, I also purchased a PA-6 (the in car adapter) which I've decided works just as well. The NC-29 remained in the box. \$50 or BO.

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.

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

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: KB3HBK@runbox.us

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(Continued from page 3)

FIELD DAY ON ARUBA

On June 26 I had the opportunity to operate Field Day from the island of Aruba. I set up my station on a hill on the Northwest tip of Aruba beside the California lighthouse. My equipment consisted of an ICOM IC-703 (10 watts) operating SSB and a Super Antenna (a 6' ground mounted vertical). Power was supplied by the battery of my rental car.

After some initial unsuccessful attempts to make contacts on 20 meters previous to and at the start of Field Day, I switched to 15 meters and found the band open. In three hours of operation I was able to contact 32 US stations as well as DX contacts with Senegal and England.

For some pictures of my station set up go to my website - www.rabbott.com - and click on the WA3ELQ button.

Note: I was operating with a government-issued reciprocal license under the call P4/WA3ELQ - so everything was legal and authorized. 73,

Larry WA3ELQ
rabbott@voicenet.com

WARC FIELD DAY ON ARRL WEB SITE

WARC's field day operation gets press in the ARRL website.

Go to the link below to read about it.
<http://www.arrl.org/FandES/field/club/cc-stories/2004/0715/AIWI3Z>

SOLAR UPDATE

Propagation guru Tad "Who can make the sun shine, on a cloudy day?" Cook, K7RA, Seattle, Washington, reports: Sunspot numbers and solar flux rose this week. Average daily sunspot numbers were up 54 points above last week's average. Sunspot 649, a big one, came around the sun's eastern limb this week. Helioseismic holography shows more sunspots on the far side of the sun, so the short-term trend for solar activity is up.

The big news is a huge X-class solar flare, detected July 15 at 0140 UTC. If a coronal mass ejection is heading toward Earth, it could mean big geomagnetic storms. The prediction made before the flare called for a planetary A index of 12, 20, 12 and 10 for Thursday through Sunday, July 15-18. Predicted solar flux for the same period is 140, 140, 135 and 135.

Carl Luetzelschwab, K9LA, who often writes the Solar Update in my absence, will speak on 160-meter propagation this weekend at the Pacific Northwest DX Convention near Seattle. A new article by K9LA, "Propagation Planning for DXpeditions," now is available on the Propagation page of the ARRL Technical Information Service site <<http://www.arrl.org/tis/info/pdf/propplan.pdf>>.

Sunspot numbers for July 1 through 7 were 26, 33, 31, 37, 26, 39 and 31, with a mean of 31.9. The 10.7 cm flux was 81.3, 80.7, 79.5, 79.4, 78.2, 78.9 and 79.3, with a mean of 79.6. Estimated planetary A indices were 13, 9, 9, 6, 7, 7 and 5, with a mean of 8. Estimated mid-latitude A indices were 9, 8, 5, 4, 5, 5 and 2, with a mean of 5.4.

Sunspot numbers for July 8 through 14 were 17, 32, 58, 98, 118, 129 and 149, with a mean of 85.9. The 10.7 cm flux was 81.8, 86.7, 93.3, 104.4, 125, 149.5 and 138.1, with a mean of 111.3. Estimated planetary A indices were 5, 5, 8, 14, 13, 16 and 9, with a mean of 10. Estimated mid-latitude A indices were 1, 4, 5, 13, 12, 11 and 6, with a mean of 7.4.

Courtesy The ARRL Newsletter

AMSAT-OSCAR ECHO SATELLITE LAUNCHED!

A Russian Dnepr LV rocket carrying the AMSAT-OSCAR Echo Amateur Radio satellite and several other payloads launched on schedule June 29 at 0630 UTC from Baikonur Cosmodrome in Kazakhstan. Ground

controllers made their first contact with Echo at 1452 UTC and collected some telemetry for analysis before shutting down the 435.150 MHz digital downlink transmitter.

"This achievement is due to many individuals around the world, who have helped in the design, building, integration, testing and launching of this satellite," said AMSAT-NA President Robin Haighton, VE3FRH. "Also the members of AMSATs in many countries who have helped us by funding this 'electronic adventure.' Without your financial support the satellite could not have been completed and would never have been launched. Give yourselves a pat on the back for a job well done."

Jim White, WD0E, of the AO-Echo project team reports that an initial analysis of Echo's telemetry indicates everything is looking good. "The battery, solar panels and temperatures were all as expected," he said. Housekeeping software now is uploaded and running, and the transmitter was left on at a power level of 1.2 W.

Earth stations should not attempt to transmit on the satellite's uplink until checkout and commissioning are complete and AO-Echo has been made available for general use. White says that won't happen for at least one week. AMSAT will release bulletins when the satellite becomes available.

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)

A telemetry decoding program, TLMEcho, is available for those who would like to view and report data from Echo. It may be downloaded from the "Echo Satellite User Software and Documentation page." AMSAT-NA requests that anyone recording Echo telemetry to send the CSV files to Mike Kingery, KE4AZN. A telemetry database has been established and will be tested over the next few days. When testing is complete it will be made available to directly upload telemetry files and query all data.

AO-Echo's sun-synchronous orbit is some 800 km (nearly 500 miles) above Earth. Among other capabilities, the 10-inch-square microsat--equipped with a transmitter capable of up to 7 W output--will allow voice communication using handheld FM transceivers. Echo will feature V/U, L/S and HF/U operational configurations, with V/S, L/U and HF/S also possible. FM voice and various digital modes--

including PSK31 on a 10-meter SSB uplink--also will be available.

At last report, the AO-Echo project was still some \$12,500 shy of its \$110,000 fund-raising goal. AMSAT--a 501(c) (3) organization--welcomes additional donations to bridge the funding gap. Visit the AMSAT AO-Echo Web page for additional details.--AMSAT News Service

Courtesy The ARRL Newsletter

Actor Marlon Brando, KE6PZH/FO8GJ, SK

One of the best-known names in cinema--Marlon Brando, KE6PZH/FO8GJ--died in Los Angeles July 1. He was 80. Brando appears in the FCC database under his real name, "Martin Brandeaux," while his FO8GJ listing indicates both his real and his screen names. Brando held a US General class ticket. He was on the air occasionally over the years as FO8GJ from his private island in French Polynesia. In a 1994 CNN interview with Larry King, Brando affirmed his continued interest in Amateur Radio. In response to a

caller's question, he said ham radio provided him with the opportunity to just be himself. Brando was best known for his roles as Stanley Kowalski in "A Streetcar Named Desire," a dockworker in "On the Waterfront," and Vito Corleone in "The Godfather." He was nominated for eight Academy Awards and won twice.

Courtesy The ARRL Newsletter

Field Day fun leads to ISS ragchews

International Space Station astronaut Mike Fincke, KE5AIT, enjoyed his time operating during the 2004 ARRL Field Day so much that during the July 4 holiday he got on the air from NA1SS for ragchews. ISS Ham Radio Project Engineer Kenneth Ransom, N5VHO, at Johnson Space Center, said Fincke made several QSOs after calling CQ on 2 meters. "He logged 8 contacts with stations in Canada, the US and Costa Rica," Ransom reported. "He said he had such a good time during Field Day that he hopes to get on the air more often in his spare time. He also hopes word will get out to hams that he will be more active." South Carolina AMSAT Area Coordinator Al Lark, KD4SFF, monitored Fincke speaking with US and Canadian stations and called him. After they'd exchanged signal reports, Lark wished Fincke and ISS Commander Gennady Padalka, RN3DT, a happy Fourth of July. "I asked Mike to pass along my good morning (in Russian) to Gennady and to tell him about 17-year-old Russian-born, Maria Sharapova's win at Wimbledon," Lark said.

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

Month	Contest
August	7 - 8 ARRL UHF Contest
	21 - 22 ARRL 10 GHz and Up Contest
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, Mark Kempisty, N3GNW

ATLANTIC DIVISION HAMFESTS - 2004

➤ + *indicates ARRL Hamfest*

- 15 Aug 2004 + Carroll County ARC Westminster, MD
<http://www.qis.net/~k3pzn>
- 15 Aug 2004 + Tri State ARA Matamoras, PA
<http://www.tsara.org>
- 18 Sep 2004 + Delaware Lehigh ARC Schnecksville, PA
<http://www.dlarc.org>
- 18 Sep 2004 + York Hamfest Foundation York, PA
<http://www.yorkhamfest.org>
- 22 Aug 2004 + Hanover Area Hamming Association Hanover, PA
<http://www.qsl.net/haha>
- 11 Sep 2004 + Pocono ARK & Eastern PA ARA Bartonsville, PA
<http://www.qsl.net/n3is/hamfest.htm>

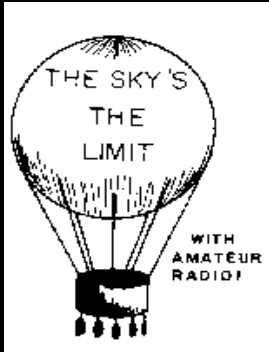
CONVENTIONS and CONFERENCES

73' de Bernie Fuller N3EFN, Director Atlantic Division ARRL

V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must bring two forms of positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC'S 2003 test fee is \$12.00.

- ◆ **Warminster Amateur Radio Club**, Monthly, Last Wed. 7:00 pm - Tom Michaud, WA3TQJ, 215-343-3494.
- ◆ **Bellmawr, NJ**, Monthly, 3rd Thursday 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.

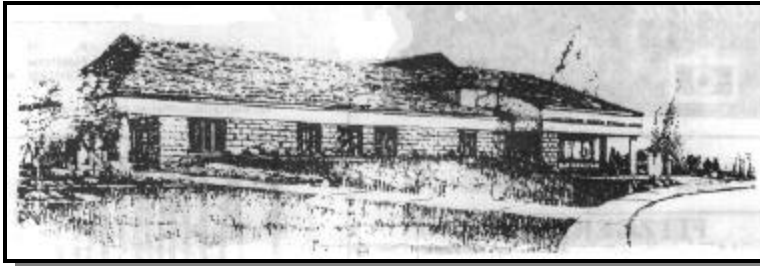
2004 Officers

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 '04	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			
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

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Undeliverable, Return to Sender.**