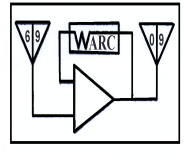




FEEDBACK



Warminster Amateur Radio Club

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

September 2003

Next Meeting September 4th - "Digital,Digital" Rick Lamb(HRO)

President's Message



The end of summer already. Where does the time go? But with the start of fall, comes the amateur radio contest season as well as several public service events. Spending a little more time inside lets us also devote some time to operating, straightening up the shack, and maybe even few other radio projects.

As I and Steve WW3Y noted last month, the Navy has decided to take full responsibility for the Willow Grove air show's medical net communications. During the discussions Steve had with the Navy, they asked if they could call us back if needed. Steve said yes but highly unlikely with only one days notice. I would like to ask that if you are going to be free that weekend, to charge up your HT's batteries and get the usual equipment you need (earphone, spare battery, sunscreen and a bottle of water) ready to roll just in case that call comes.

Also coming on August 30 - 31, September 1 and September 6 - 7 is the Polish - American Festival, at the National Shrine of Czestochowa. Volunteers are needed each day from 11:00 am until around 7:00 pm to provide communications at the gates, and as shadows for the police chief, directors, parking, and information both as well as other key positions that facilitate the event. If you are available to help to please contact Burt Ludin by phone (215) 441-4483 or E-mail N3YVH@k3dn.org.

Don't forget the Pennsylvania QSO Party which will be held on October 11 and 12. This is one of the two contests

September Special Events

Pearl River, NY: Pearl River DX Association, W2WTC. Month of September. Honoring those killed on 9/11/01. Phone only, general bands. QSL. Hank Borawski, K2HJB, 112 Louis Dr, Pearl River, NY 10962-2935.

Paterson, NJ: Robert D. Grant United Labor Amateur Radio Association, N2UL. 1200Z-2400Z **Sep 1.** CQ Labor Day, Great Fall Festival. 28.420 21.360 14.260. Certificate. RDGULARA, c/o WA2VJA, 112 Prospect St, Nutley, NJ 07110-0716.

Schaumburg, IL: Schaumburg Amateur Radio Club, K9S 1400Z-2400Z **Sep 1.** Septemberfest. 28.450 21.340 14.250 7.250. QSL. Schaumburg Amateur Radio Club, PO Box 68251, Schaumburg, IL 60168-0251.

Rantoul, IL: Willy Victor Reunion Group, WV2AEW. 1500Z **Sep 5-2200Z Sep 6.** US Navy Airborne Early Warning, from US Navy WV-2 radio operators' position at Chanute Aerospace Museum. 14.265 14.030 7.244 7.030. Certificate. Samuel E. Leach, K3KLC, PO Box 741, Lexington Park, MD 20653. <http://www.willyvictor.com/>.

Roselle, IL: Schaumburg Amateur Radio Club, K9S. 1400Z-2400Z **Sep 6.** Radio Day Exhibition. 28.450 21.340 14.250 7.250. QSL. Schaumburg Amateur Radio Club, PO Box 68251, Schaumburg, IL 60168-0251.

Brooklyn, NY: Kings County Repeater Association, KC2RA. 1300Z-1900Z **Sep 13.** KCRA September 11th Memorial Station. 28.340 21.340 14.250. QSL. Kings County Repeater Association, PO Box 285, Brooklyn, NY 11228.

Hamersville, OH: USS *Jurassic*, K8SSJ. 1600Z-2000Z **Sep 13.** USS *Jurassic* 9th anniversary and Ohio 200th anniversary. 14.250 7.250. Certificate. Carolyn Donner N8ST, PO Box 158, Hamersville, OH 45130. <http://www.qsl.net/k8ssj>.

Henri-Chapelle, Belgium: GDV Group/ON4GDV/Verviers, ON4USA. 0800Z **Sep 13-1800Z Sep 14.** Honoring the memory of all GIs who gave their lives in WWII. 28.044 21.044 14.210 14.044. QSL. ON4GDV, Post Office Box 11, Verviers 1, Belgium B-4800. <http://www.qsl.net/on4usa>.

Atlantic City, NJ: Southern Counties Amateur Radio Association, K2BR. 1400Z **Sep 15-0400Z Sep 21.** Special Event Station during the Miss America Pageant. 28.325 21.325 14.250 7.250. QSL. SCARA, PO Box 121, Linwood, NJ 08221. <http://www.geocities.com/siliconvalley/vista/4638>.

Schaumburg, IL: Motorola Amateur Radio Club, K9MOT. 1400Z **Sep 26-2359Z Sep 27.** 75th anniversary of Motorola. 7.240. Certificate. Ed Picha, 21363 Pheasant Tr, Deer Park, IL 60010. <http://www.qsl.net/k9mot/75>.

St John's, Newfoundland, Canada: Society of Newfoundland Radio Amateurs, VO1SAR. 1200-2100Z **Sep 26 and Sep 27.** 64th anniversary of the US Coast Guard and 25th anniversary of the Canadian Coast Guard Auxiliary, and International Search and Rescue Competition 2003. 28.400 21.375 14.275 7.275. QSL. Society of Newfoundland Radio Amateurs, Box 23099, St John's, NL, Canada A1B 4J9. <http://www.cega-gcac.org/isar2003>.

Cincinnati, OH: United States Coast Guard Auxilliary-Div 5-8ER, W8E. 1300Z-2100Z **Sep 27.** To celebrate 64th USCG and 25th Canadian CG Auxiliary Anniversaries. 28.350 21.345 14.250 7.250. QSL. D.F. Stroup, 6095 Drumhill Ln, Milford, OH 45150.

Philadelphia, PA: US Coast Guard Auxiliary District 5-NR, K3G. 1400Z-2200Z **Sep 27.** Commemorating USCG Aux 64th Anniversary. 28.330 21.330 14.270 7.270. QSL. Daniel F. Amoroso, 196 Dam View Dr, Media, PA 19063.

Ruskin (Tampa Bay Area), FL: USCG Aux Flotilla 7-7-5, N4C. 1300Z-2100Z **Sep 27.** United States Coast Guard Auxiliary 64th and Canadian Coast Guard Auxiliary 25th Anniversary. 28.340 21.320 14.240 7.230. QSL. Michael Glennon, KB4JHU, 1503 Highcrest Cr, Valrico, FL 33594.

Midland, TX: Commemorative Air Force ARC, W5CAF. 0000Z **Sep 27-2400Z Sep 28.** 100 Years of Flight in conjunction with the CAF Airshow 2003. 21.360 14.260 7.260. QSL. MARC, PO Box 4401, Midland, TX 79704.

Courtesy The ARRL Newsletter

we enter as a club. It is known as the Friendly Contest that also turns the ordinary Pennsylvania amateur radio station into the most desired station. If you have ever wanted to be at the top of a pile up, just hop on 40 or 80 meters and call CQ PA QSO PARTY. Last year, I traveled out to Clinton County which tends to be a rare one in the contest. While I didn't break the single operator record for Clinton, I did take first place and had a blast. I have not decided if I am going to try to match that attempt this year. However, if you

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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)

would like to give it a try, feel free to give me a shout.

That's it for this month. I hope to see all of you at the next meeting.

73's,

Mark Kempisty N3GNW

President

Warminster Amateur Radio Club, Inc.

Meeting Info – Tony Simek, VP

September is Ric k Lamb from HRO doing "Digital, Digital".

October - Emergency Preparedness: PA Task Force One.

November - ARRL Night.

December - Holiday Dinner

Public Service

August 30, 31 and Sept 1, and the following Weekend, Sept. 6 & 7 Polish American Festival, at the National Shrine of Czestochowa. Volunteers are needed each day from 10:00am until around 7:00pm. Help is needed with communications at the gates, and as shadows for the police chief, directors, parking, and information both and other key positions that facilitate the event. I am asking those hams that are available to help to please contact me by phone (215) 441-4483 or E-mail: Burt Ludin <N3YVH@k3dn.org> Volunteers will also receive meal passes (tickets) that may be used as you wish. You will also get free admission to the festival.

Monday, October 13 we will need 10 operators for the Warminster parks and recreation hole-in-one golf outing at the 5 ponds golf course. A hot meal will be served after the event.

Saturday, October 18 we will need at least 15 hams to staff the Warminster Day gala at the old NADC property. If you can help out with any or all of

the public service events, please contact George N3HBT at (215)-443-5656 or e mail at n3hbt@juno.com

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.

Interesting web site

www.mods.dk

This is a web site to modify most ham radios to work in the new 60 meter band as well as other interesting mods.

73 George N3HBT

HAMFEST

Delaware Valley Radio Association / NJ Antique Radio Club (DVRA) /(NJARC)

Sunday, September 14, 2003
National Guard Armory 151 Eggerts Crossing Road, Lawrenceville, NJ
Talk-in on 146.67 PL 131.8 W2ZQ
Open to sellers at 6:00 AM, to the public at 8:00 AM

- . Admissions \$6.00
- . Free Parking
- . Children under 12 years old free
- . Refreshments will be available
- . Amateur radio and computer equipment
- . ARRL
- . Tailgate Vendor \$10.00 (Includes 1 admission)
- . Indoor Vendor Wall (electricity) \$20.00 (Includes 1 admission) Indoor Vendors will need to supply their own table not to exceed 10 feet in length.
- . Extra Indoor Space \$10.00
- . Advance registration available
- . More info contact: Glenn Costello, N2RPM, abbot0903@hotmail.com
- . Call (609) 882-2240 or visit our website w2zq.com
- . Advance registration is available by mailing your check payable to: DVRA PO Box 7024 West Trenton, NJ 06628

Special Attractions:

The New Jersey Antique Radio Club will be displaying some of their treasures. Various items will be offered for sale. John Dilks K2TQN, author of the Old Radio column in QST magazine, will have his mobile radio museum. Walk down memory lane. Talk with John about some radios of yesterday. Jim Millner WB2REM, author of various articles dealing with ham radio and the internet, will be on hand to demonstrate and discuss the ECHOLINK Boards. This is your chance to get an up close and personal answer to your questions regarding this dynamic new branch of our hobby. Take this opportunity to purchase your own ECHOLINK Board.

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HAMS A BRIGHT SPOT DURING POWER BLACKOUT

When a power blackout struck at least a half dozen eastern states August 14, many Amateur Radio operators were ready and able to provide whatever assistance they could. Hardest hit were metropolitan areas like New York City, Detroit and Cleveland. In New York, residents and commuters found themselves stranded in electricity-dependent elevators and subway or rail cars while visitors ended up stuck at airports, which were forced to shut down. With the cellular systems overloaded or out altogether, the incident turned into a test of Amateur Radio's capabilities to operate without commercial power.

"It was a good drill," said New York City-Long Island Section Emergency Coordinator Tom Carrubba, KA2D. But, he adds, it was a cautionary tale too. "The lesson is that everybody gets a little complacent," he said. "Have emergency power backup and make sure it's working!"

By and large, Carrubba said, ARES members did what they were trained to do. "It's going to show the worth of Amateur Radio," he said of the blackout response. "There were people on the air immediately."

Diane Ortiz, K2DO, the Public Information Coordinator for NYC-Long Island was one of them. When power went down in her Suffolk County community, she started up an informal VHF net. Over the next 20 hours or so, it passed some 500 pieces of what Ortiz described as largely "health-and-welfare traffic."

"People are getting on and helping," she said. In addition to handling messages for people stranded in the city, amateurs also relayed useful information, such as which stores or filling stations were open and operating. With many radio and TV stations dark, and hams were able to help fill the information void, Ortiz

said.

In the Big Apple itself, ARES teams provided communication support for Red Cross Emergency Response Vehicles (ERVs) set up at main transportation centers in Manhattan. ARES members also accompanied ERVs on fire calls.

RACES activated in most Greater New York City area counties after a state of emergency was declared. Some ARES teams--including a few across the Hudson River in New Jersey--activated or remained on standby to help if called upon. In New Jersey, a net linked the Red Cross lead chapter's N2ARC in Princeton with other New Jersey ARC chapters.

Michigan Section Manager Dale Williams, WA8EFK, reports scattered ARES activations. Williams, who lives in Dundee south of Detroit, was without power August 15 and relying on his emergency generator. Some Michigan ARES teams assisted emergency operations centers and the Red Cross.

In Ohio, Section Emergency Coordinator Larry Rain, WD8IHP, reports that all ARES organizations in northern Ohio were activated after the power grid went down. Still going strong at week's end were ARES teams in Cleveland and Akron. "ARES is handling communication support for Ohio Emergency Management in the affected cities and communities," Rain said. Ohio VHF and UHF nets and the Ohio SSB net on HF have been handling blackout-related traffic.

Nancy Hall, KC4IYD--who lives 20 miles west of Cleveland--said she's glad she'd taken the ARRL Emergency Communications Level I class. "I have to say that being a ham and knowing about emergency preparedness did make life easier

for me and my family," said Hall, who's now signed up for the Level II class.

New England states were far less affected by the blackout. ARES/RACES operators in the region were on standby after the blackout. Only Connecticut and sections of Western Massachusetts reported significant outages, and ARES nets activated in both states.

Bill Sexton, N1IN/AAR1FP, an Army MARS member, said his emergency power capability permitted him to check into the Northeast SHARES (National Communications System HF Shared Resources Program) net and maintain e-mail contact after Berkshire County lost power.

"The experience proved once gain the great strength of ham radio in an emergency," Sexton said. "It is self-starting, and it is everywhere."

Courtesy The ARRL Newsletter

SOLAR UPDATE

Solar overlord Tad "Don't Let the Sun Go Down on Me" Cook, K7RA, Seattle, Washington, reports: Sunspot numbers are down 19 percent, solar flux is down 7 percent and the planetary A index is up 42 percent: Could it be any worse for HF operators? Well yes, it could, but those percentages reflect the change in average daily indices from last week to this week. What could be worse, of course, are zero sunspots with solar flux around 70 or lower--which is what we saw about seven years ago at the bottom of the solar cycle.

The day most disturbed by geomagnetic storms this week was Monday, August 18, when the planetary A index was 86. The planetary K index was 8 during one three-hour period, 7 during another, and 6 during three other periods. This indicates a severe

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geomagnetic storm. The storm began around 0100 UTC when the interplanetary magnetic field tipped to the south near Earth. This makes Earth vulnerable to the effects of any solar wind or flare activity. A solar flare erupted on August 19 at 2005 UTC, and this pushed a strong coronal mass ejection toward Earth.

The forecast from the US Air Force for planetary A index was adjusted upward on Thursday, August 21, after the initial one at 2104 UTC. That earlier one predicted a planetary A index of 30 for Friday, which is quite high. Six hours and twenty minutes later a new forecast was released that predicted Friday's planetary A index at 50. Saturday is predicted at 30, and Sunday, Monday and Tuesday all show the same planetary A index of 25.

Predicted solar flux for Friday, August 22 is 115, and 110 is the value for Saturday through Tuesday, after which the number is expected to head up.

Sunspot numbers for August 14 through 20 were 108, 86, 92, 113, 104, 77 and 62, with a mean of 91.7. The 10.7-cm flux was 129.7, 131.4, 126.9, 119.3, 115.9, 116.7 and 111.8, with a mean of 121.7. Estimated planetary A indices were 18, 14, 11, 15, 86, 21 and 15, with a mean of 25.7.

Courtesy The ARRL Newsletter

**BPL ADVOCATES'
COMMENTS LACK
TECHNICAL SUBSTANCE,
ARRL REPLY COMMENTS
SAY**

The ARRL says Broadband over Power Line (BPL) proponents failed in their comments to the FCC to substantiate their claims that the technology will not cause widespread interference. In reply comments filed August 20--the FCC's deadline to receive comments in the Notice of Inquiry, ET Docket 03-104--the League said that if the FCC is going to rely on industry statements

in making decisions on BPL deployment, the industry should back up its assertions with technical studies and hard data and make these public.

"Unfounded assurances that BPL will not cause interference are no substitute for real-world measurements," the League declared, "and the FCC should rely on documented test results and an impact of interference potential based on scientific, not marketing, criteria."

A form of power line carrier--or PLC--technology, BPL would use existing low and medium-voltage power lines to deliver broadband services to homes and businesses using frequencies between 2 and 80 MHz. Some BPL proponents --primarily electric power utilities--already are testing BPL systems in several markets and want the FCC to relax radiation limits.

"Power lines are ubiquitous, and attempts by the BPL industry to obtain relaxed emission classifications based on operating environment are obviously illogical and frivolous," the ARRL said. BPL would impact not only hams but public safety low-band VHF systems and other mobile systems, the League's comments added.

In contrast to the BPL advocates' "blanket statements" of no interference from BPL field trial sites, the ARRL said its own field tests "lead inescapably to the conclusion that BPL will, if deployed, create widespread harmful interference." It predicted signal levels of up to 30 dB over S9 on a typical amateur transceiver, "well beyond what would preclude amateur HF communications entirely."

To dramatize its point, the League urged the Commission to view video <<http://www.arrl.org/tis/info/HTML/plc/#video>> shot during recent ARRL test-and-measurement forays to BPL field trial communities in four states. The ARRL said the type of degradation expected from BPL

would transform 20 meters from a band with worldwide communication capabilities to one of limited regional communication capability.

"ARRL has, in fact, done what the BPL industry should have done--brought an amateur station to the trial area," the League said. "When it did so, the interference was manifest and widespread and would be so even to an untrained observer."

The League also noted that comments in the proceeding so far have been silent on the interference susceptibility of BPL to ham radio signal ingress. The League predicted that even as little as 250 mW of signal induced into overhead power lines some 100 feet from an amateur antenna could degrade a BPL system or render it inoperative.

The ARRL called on the FCC to stop acting like a cheerleader for BPL. "It is past time that the Commission acted in its proper role as a steward of the radio spectrum and recognized the interference potential of BPL to the sensitive incumbent licensed services in these bands," the League concluded. "The Commission cannot stretch the Part 15 regulations as far as would be required to accommodate BPL."

The League's complete reply comments are available on the ARRL Web site
<<http://www.arrl.org/announce/>

**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.

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regulatory/et03-104/reply -comments-index.html> along with more information

<<http://www.arrl.org/news/features/2003/07/08/1/>>. Additional information and video clips are on the ARRL "Power Line Communications (PLC) and Amateur Radio" page www.arrl.org/tis/info/HTML/plc/.

To support the League's efforts in the BPL fight, visit the ARRL's secure BPL Web site <<https://www.arrl.org/forms/development/donations/bpl/>>.

Courtesy The ARRL Newsletter

HAMS INJURED IN BAGHDAD BLAST

The Daily DX <<http://www.dailydx.com>> reports that three Amateur Radio operators were injured in the August 19 bombing of the UN Headquarters at the former Canal Hotel in Baghdad, Iraq.

The Daily DX Editor Bernie McClenny, W3UR, says he's received word from Les Nouvelles DX <<http://lesnouvellesdx.free.fr>> Editor Jean-Michel Duthilleul, F6AJA, that Ghis Penny, ON5NT, was at the UN Headquarters when the bomb went off. He reportedly suffered a minor head injury and was evacuated August 21 to Amman, Jordan. Penny expects to be back home in Belgium in the next few days.

Robert Kasca, S53R, also was working at the UN offices when the explosion occurred but apparently was not hurt. According to McClenny, Kasca told Randy Hollier, WX5L, that he plans to continue

working in Iraq. Kasca also said that Michael Dirksen, PA5M (ex-PA5MD), was hospitalized in Germany as a result of the bombing and was said to be doing well.

The UN has indicated that it would move at least some of its personnel outside Iraq as a result of the incident. At least 23 people were killed in the bombing. The dead included widely respected UN envoy Sergio Vieira de Mello, the UN's high commissioner for refugees who had taken on an assignment in Iraq.

Courtesy The ARRL Newsletter

ROY NEAL, K6DUE, SK

Retired NBC News space correspondent, producer and executive Roy Neal, K6DUE, died August 15 in High Point, North Carolina. He was 82. Neal underwent major heart surgery August 12.

Recognized as a leading news expert in spaceflight and science, Neal--born Roy N. Hinkel--covered all of the Mercury missions for NBC and later reported the Gemini and Apollo missions and the early space shuttle flights. His space news experience led him to become involved with the Space Amateur Radio EXperiment (SAREX)--now the Amateur Radio on the International Space Station (ARISS) program. ARISS, a joint project of ARRL, AMSAT and NASA, put Amateur Radio aboard space shuttles and developed the first permanent ham station in space aboard the ISS. Neal chaired the SAREX/ARISS Working Group and moderated ARISS international team gatherings

and, quite often, school group contact teleconferences. Earlier this year, he was inducted into the CQ Amateur Radio Hall of Fame for his role in persuading NASA officials to allow Amateur Radio operation from space in the 1980s.

Neal also was a regular visitor and sometime presenter at Hamvention. He hosted the 1987 ARRL video production, New World Of Amateur Radio, an overview of ham radio in space.

A Pennsylvania native, Neal's broadcasting career began at WIBG radio in Philadelphia. He served as a combat infantry officer during World War II and later became a program manager for the Armed Forces Radio Network in Europe. After the war, he was a television pioneer at WPTZ-TV in Philadelphia. He subsequently set up NBC's West Coast news bureau.

An ARRL member and active amateur operator throughout his adult life, Neal enjoyed DXing, HF and VHF. Survivors include his wife Pat and sons David and Mark. Arrangements are pending.

Courtesy The ARRL Newsletter

➤ **CLUB EQUIPMENT**
 WARC members can borrow club equipment- see the club Vice-President, who is responsible for keeping track of club property. In addition to the normal HAM JUNQUE, we have two ICOM HT's with accessories (one for 2 meters; one for 440mhz) and an ICOM 2 meter all-mode available. WARC policy is to make club equipment available on a three (3) month loan policy to club members. As custodian of club property, you will have to sign a form acknowledging your financial responsibility to WARC in the event the loaned equipment is lost or damaged.
 DE, Mark Kempisty, N3GNW

2003 Contest Calendar

Month	Contest
September	13 - 15 ARRL September VHF QSO Party 20 - 21 ARRL 10 GHz and Up Contest
November	1 - 3 ARRL November Sweepstakes (CW) 15 - 17 ARRL November Sweepstakes (Phone)



ATLANTIC DIVISION HAMFESTS - 2003

➤ + *indicates ARRL Hamfest*

6 Sep 2003 + Eastern PA ARA & Pocono ARK Bartonsville, PA
 13-14 Sep 2003 + York Hamfest Foundation York, PA
<http://www.yorkhamfest.org>
 20 Sep 2003 + Delaware-Lehigh ARC Schnecksville, PA
<http://www.dlarc.org>
 12 Oct 2003 + Hamarama 2003 PACKRATS Wrightstown, PA
<http://members.ij.net/packrats/Hamarama2002/Hama03.html>
 19 Oct 2003 + R F Hill ARC Sellersville, PA
<http://www.rfhill.ampr.org>

CONVENTIONS and CONFERENCES

6-7 Sep 2003 * Maryland/DC Section Convention
 Foundation for Amateur Radio & Columbia ARA West Friendship, MD

73' de Bernie Fuller N3EFN, Director Atlantic Division ARRL

V.E. TEST LOCATIONS

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

- ◆ **Warminster Amateur Radio Club**, Monthly, Last Wed. 7:00 pm - Tom Michaud, WA3TQJ, 215-343-3494.
- ◆ **Bellmawr, NJ**, Monthly, 3rd Thursday - Bill Helmatag - 609-546-7710.
- ◆ **Levittown, PA**, Monthly, 1st Saturday - George LeNoir, WR3B, 215-943-4886.
- ◆ **Telford, PA**, Monthly, 3rd Monday - Joe Burgess, W3PNL, 215-723-6697.
- ◆ **Philadelphia, PA**, NE Philadelphia, Pa. Monthly; 1st Thursday - 6:00pm. Philmont Mobile Radio Club at Space Research Center (SPARC) Northeast High School Cottman and Glendale Aves. (Enter the SPARC wing from Glendale Av., opposite Teesdale St.) - Dusty Rhoads, ND3Q, 215-482-0386 Or 215-879-0505. No exam in July or August.



The Warminster Amateur Radio Club Announces Free Ham Radio Instructional Classes

If you're interested in Ham Radio, or think you might be, this is your opportunity. Perhaps you'd like to learn about digital communications, Morse code, VHF, UHF, satellite, or perhaps you'd rather sit down and chat with someone in South Africa, Russia, Great Britain or in the space shuttle.

We'll help you learn the theory and practices that make for a most enjoyable hobby. There's no telling just how far you'll go unless you make the first move and give yourself a chance to explore the world.

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

Goddard ARC

Shuttle Rebroadcast Frequencies

Frequency	Mode	Band
3,860 kHz	(LSB)	80 meters
7,185 kHz	(LSB)	40 meters
14,295 kHz	(USB)	20 meters
21,395 kHz	(USB)	15 meters
28,650 kHz	(USB)	10 meters
147.45 MHz	(FM Simplex)	2 meters

Metro-Link repeater network

29.62	Chester, PA
147.135	Buckshootum, NJ
147.315	Chester, PA
223.96	Millville, NJ
223.98	Ocean city, NJ
224.68	Eagleville, PA
224.96	Chester, PA
443.00	Linwood, PA
443.05	Chester, PA

Area Repeaters

VHF	
145.310	R.F. Hill
145.350	Doylestown R.C.
145.250	Penn Wireless
146.685	Holmesburg
146.925	Willingboro
147.000	Ham Buergers
147.030	Phil-Mont
147.090	Warminster
147.165	Delmont R.C.
147.270	Frankford
147.300	BEARS
147.390	CBRA
145.330	Hilltown
224.580	PackRats
UHF	
443.250	TAG
443.050	Metro-Comm
443.950	Warminster
444.200	BEARS
449.325	KA3W XV
447.475	WR3B
447.625	WE3E
448.225	Penn Wireless
6 Mtr	
53.030	WA3BXW
53.230	N3DQZ
53.370	K3MFI
1296	
1294.000	K3PHL (-20 MHz split)
1295.000	K3PHL (-20 MHz split)

Net Schedules

Sunday	2100	10 Meter Net	28.440 MHz
Wednesday	2030	2 Meter Net	147.09 Rptr.
Wednesday	2030	Linked w/ 2 Meter Net	443.95 Rptr.
Sunday	2030	Informal Net	223.5 Simplex
Thursday	2000	Bucks Cnty RACES Net	145.35 Rptr.
Thursday	1900	Mont. Cnty RACES Net	146.235 Rptr.

Are you submitting an article for the Feedback ?

Contributions of articles to be published are always accepted for consideration. Please follow these guidelines:

- Submit in IBM format on a floppy disk.
- Or via E-Mail to:
wa4ywm@comcat.com
- Or via snail mail to:
FEEDBACK EDITOR
Warminster Amateur Radio Club
Box 113
Warminster, Pa 18974
- Use both upper and lower case letters.
- Use your program's spell check.
- If you don't have a computer, then typewritten sheets are o.k, but please use both upper and lower case.
- Put your name and call at the beginning or end of the article, and show credits if you are using material from another source.
- Deadline for articles is the Thursday after the Club meeting.
- Volunteers are needed for folding at the Board Meeting, Ben Wilson Center, last Thursday of the month, 7:30 PM.

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

"Home of the fresh, not frozen dough"

The annual dues rate structure is as follows:

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

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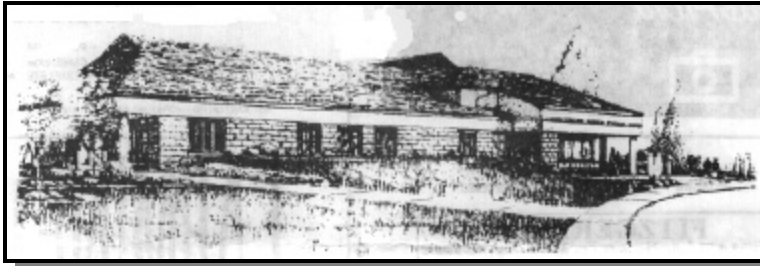
2003 Officers

Executive Officers

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

Committee Chairpersons

Feedback Editor	Jim Elmore	WA4YWM	538-1889
Membership co-Chair	Bud Bechtel	K3TPM	659-9093
Membership co-Chair	Mark Hinkel	WA3QVU	6594449
Field Day '04	Doc Whitticar	W3GAD	968-0641
Field Day '04 co-chair	Stu Simon	K2QBU	345-9295
Grange Fair '04	Doug Crompton	WA3DSP	431-6307
Hamfest '04	Bill Strunk	K3ZMA	822-0749
January '04 VHF Contest	Joe Bagnick	N3EMA	997-2539
PA QSO Party '04	Jack Jones	W3NTD	
Picnic '04	Mark Kempisty	N3GNW	953-1493
Adopt-A-Highway	Hugh Hart	N3SOQ	773-8451
Archives	Frank O'Neill	N3UQP	699-9549
Alumni Coordinator	Randy Gehman	N3LJE	822-9473
ARRL Liaison	Kristina Pistilli	KB3ECW	572-5330
Awards Mgr.	Vince Pironti	KD3TC	674-0446
Classes	George Altemus	KA3WXV	855-3856
DXpedition	Doc Whitticar	W3GAD	968-0641
Special Interest Groups	Ron Wenig	NY3J	638-9257
CW/QRP co-chair	Marty Squicciarini	NR3Z	393-1492
Digital/APRS co-chair	Ron Wenig	NY3J	638-9257
FM/Repeater co-chair	Mark Hinkel	WA3QVU	659-4449
HF co-chair	Dennis Shegda	N3KRE	657-7283
Satellite co-chair	Joe Bagnick	N3EMA	997-2539
VHF/UHF/MW co-chair	Al Sheppard	N3ITT	610-847-5490
Emergency Coordinator	Stu Simon	K2QBU	345-9295
Fundraising	Erik D'Onofrio	N3YNX	675-9165
Hamwear	Bob Wilderman	K3SRO	822-7474
Holiday Dinner co-chair	Berni Lindinger	N3RJD	343-5249
Holiday Dinner co-chair	Doug Mahoney	N3RJE	343-5249
Interference	Tom Michaud	WA3TQJ	343-3494
Net Manager	George Brechmann	N3HBT	443-5656
Notary Public	Whitey Metzger	AA3FT	947-0843
Publicity	Alan Ash	KA3YCG	357-9286
RACES Liaison	Bob Phillips	KA3VKU	766-0456
Refreshments	Randy Gehman	N3LJE	822-9473
Refreshments	Doc Morein	KA3RAU	
Repeater Coordinator	Brian Taylor	N3EXA	257-6303
SKYWARN Liaison	Mike Patton	W3MJP	491-9665
Station Trustee	George Brechmann	N3HBT	443-5656
Sunshine Club	Vince Pironti	KD3TC	674-0446
Township Liaison	George Brechmann	N3HBT	443-5656
VE License Testing	Tom Michaud	WA3TQJ	343-3494
WEB Site Coordinator	Al Konschak	WI3Z	491-9941
Youth Programs Co-Chair	Al Folsom	KY3T	343-8851
Youth Programs Co-Chair	Steve Larson	WW3Y	822-1511

Club Station**Meetings****Talk To Us**

The Club Station - K3DN - is located at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. The station is open for club members and the interested general public on non-holiday Tuesday evenings from 7 to 9 pm . The station is fully operational on HF (80 meters through 10 meters) both phone and CW. There is an assortment of amateur radio shareware which may be copied under the shareware licensing agreement.

For additional information on the Club Station please call the Station Manager N3HBT - George at 215-443-5656.

- WARC Meetings are held the first Thursday of each month at 7:30 pm at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. Talk in is available on the 147.09 & 443.950 repeaters.

APRS on 144.390

K3DN is also operating APRS on 144.390

Internet Connection

For general club correspondence:
k3dn@k3dn.org

For Feedback articles:

wa4ywm@comcat.com

Visit our Home Page on the WWW:

<http://www.k3dn.org>

**Federal Communications
Commission**

1270 Fairfield Road
Gettysburg, PA 17325

License Information

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FEEDBACK

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