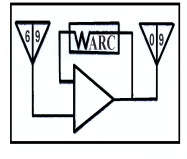




# FEEDBACK



Web Site [k3dn.org](http://k3dn.org)

Warminster Amateur Radio Club

April 2007

## Next Meeting April 5th - What in the World is Knoppix?

### President's Message



I had opportunity a couple weeks back, to visit my father in Alaska. It was a trip with my wife so spending the time troubleshooting the myriad of problems he was having with his setup was out of the question- no matter how much he wanted me to come out and "lay hands" on the gear.

As much as I tried, I couldn't get him to troubleshoot his system without me before I came up. Like most, his is a unique setup that is the result of what is available to him.

There is AC from a generator about half a football field away, for a few hours a day. That power reaches him via some romex that was run on the ground, through the trees, to his cabin. When he tested it, he said that it was 116v with 1.8 amps. That seems too low to be believable and I expected the voltage to drop over distance, not the amperage. But that's just the first questionable factor.

He uses a car battery charger with something like 2, 10, 30 amp charging rates- that is, if it sees full voltage, which I don't think it does. This charger is manually connected to his four 6-volt golf-cart batteries which should offer some 460 AH of power. That was, until he left one winter and they probably were damaged by freezing (-20) temperatures. These batteries require distilled water to be regularly maintained. I suspect they are damaged goods at this point and may not charge or deplete properly.

Then he has some real fat (0 gauge) cable up to some terminal blocks. In these he has numerous devices plugged in: 2m for winmail, another 2m for voice, 12v laptop adaptor, a battery booster connected to the HF rig, and probably a couple other things. Is there

### June

9-11 ARRL June VHF QSO Party  
23 - 24 ARRL Field Day

### July

14 - 15 IARU HF World Championships

Missouri QSO Party 1800Z, Apr 7 to 0500Z, Apr 8 and 1800Z-2400Z, Apr 8  
Georgia QSO Party 1800Z, Apr 14 to 0359Z, Apr 15 and 1400Z-2359Z, Apr 15

Michigan QSO Party 1600Z, Apr 21 to 0400Z, Apr 22

Florida QSO Party 1600Z, Apr 28 to 0159Z, Apr 29 and 1200Z-2159Z, Apr 29  
Nebraska QSO Party 1700Z, Apr 28 to 1700Z, Apr 29

### 2007 Contest Calendar

a possibility there for electrical interference? Probably.

Then there's the ground- which, in Alaska, sucks. A couple feet down, it never thaws. So a long, deep ground rod isn't really possible (or effective). He has a long horizontal pipe about a foot under ground. This is what he uses to ground his various pieces of gear. Is it doing more harm than good? I don't know.

The HF rig, connected through the battery booster, should almost always see the 13.2v it expects, even as the batteries dive through 12 and 11 volts. This probably harms the batteries a bit and I expect that some damage has to eventually come to the battery booster.

Then the rig itself is an old Yeasu 890- like the 840 but with a built-in antenna tuner. It's fickle, sometimes turns itself off while you talk on what you thought was a tuned up, low SWR feed. Is that a power issue, or Something internal? We don't know.

Then there's the RF feeds- I think he runs everything through an MFJ tuner for the dual-needle metering and can switch between the coax to the beam some 100 coax feet away, and the ladder line to the flat-top, random length dipole zig-zagging through the

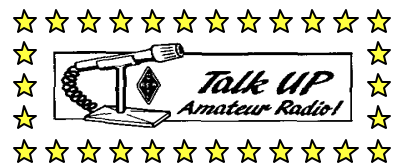
scrawny, wind and snow battered trees he has around his cabin. Probably not the best antenna solutions.

He has a Johnson tuner, which I preferred for the ladder line because the tuning match didn't vary depending whether your hand is on the knob like it does with the MFJ. There's a tuner in the radio too, but I don't think he uses that unless he's on 20m, and using the 2m beam, and puts the MFJ into bypass.

So he received a loaner marine battery. And a loaner HF rig with a better tolerance for undervoltage, as well as a built-in AC power supply. But the AC is very noisy and they just haven't been able to quash the HF

*(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.*



## PROGRAMS

**Thursday April 5, 2007 *What in the world is Knoppix?***

**Karl Harris N0ACO joins us for an informative program on non-Windows operating systems including LINUX and KNOPPIX. Microsoft is not the only way to make your computer operate. There are other, perhaps better, choices. Come out and learn what Bill Gates doesn't want you to know.**

**Thursday May 3, 2007 *Orthodontics /Hamfest Preparations/Nomination of Officers***

Our resident dentist Doc Morein KA3RAU joins us this evening with a humorous presentation about orthodontics. Join us for what promises to be a fun evening. Also, with May 6 and our Hamfest just days away, last minute preparations and coordination will be a vital part of this meeting. The Hamfest is our biggest event of the year and our most important fund raiser. It can work only with your support. In addition, election time is approaching. Have your nominations for club officers ready.

**Thursday June 7, 2007 *Homebrew, Cool Gadgets, and Pizza Night/Election of Officers***

It's Pizza Night and that means it's show-and-tell time again! Bring in that homebrewed gear you just built, that kit you just finished, or that unusual gadget that you use in your shack. This is your chance to show it off!! Come out and see everyone's "stuff" while you enjoy some delicious pizza. It's also **election night**. Remember WARC is your club and you decide who will direct it for the next year – so come out and vote.

**Thursday July 5, 2007 *Mobile Night***

What's in your car? Do you operate a two meter HT or do have a whole ham shack on your dash? Come out and share your mobile set-up with the club. Pass along your tips on installing equipment in a vehicle. Discuss antenna options. Share your mobiling experiences. If the weather cooperates we will move the meeting to the parking lot and eyeball each other's installations. If you operate from your car you won't want to miss this meeting.

**Thursday August 2, 2007 *Travel With the Dukes***

World travelers Frank and Anita Duke join us for an exciting travelogue. The scheduled presentation is a trip to Antarctica, including a stop at a WWII era British listening post with vintage radio equipment still on display. Join us for cool presentation on a hot summer evening.

**Thursday September 6, 2007 *VHF/UHF Operating and Contesting***

The world above 50 MHz offers a lot more than just repeaters. Join our own Doc Whitticar W3GAD for an informative presentation on operating in the VHF and UHF bands. And with the September VHF QSO Party just a couple of days away, Doc will be showing us how we all can easily join in on the fun.

**Thursday October 4, 2007 *SSTV/ATV Night***

You know phone and cw operation. Maybe you have tried PSK31 and APRS. But have you ever operated SSTV? Come out to an informative evening about slow scan TV and amateur TV with Mark Morris N3NJ. See how easily you can become a part of this exciting facet of ham radio.

**Thursday November 1, 2007 *ARRL Night***

What is happening in ham radio today? What is the ARRL doing for ham radio and for you? Join us for an informative evening to answer these and many other questions. Don't miss this important update! A question and answer session will be included. *More information coming soon.*

**Thursday December 6, 2007 *Annual Holiday Dinner***

Spend time with friends and enjoy some special food. Bring your significant other. Bring a non-perishable food item to donate. Come one, come all to the WARC Annual Holiday Dinner. A fun time for all club members.

**Thursday January 3, 2008 *Kit Building***

Hams don't build their own gear anymore, right? Wrong! A lot of hams are using equipment they constructed themselves, and many times that equipment is built from a kit. Everything from small accessories to full-featured radios are available as kits. Join several of our kit-building club members for an informative evening on choosing and building ham-related electronic kits. Many completed and in-progress kits will be on display as well.

**Thursday February 7, 2008 *Club Auction***

Going once...going twice...Yes, February is the time for our annual club auction. Check those closets and bring in that gear you don't use any more, those parts that are just taking up space, or that "junk" you have been meaning to get rid of, and donate it to the club. We will auction it off to other interested hams who may find your "junk" their treasure. Bring along some cash. You may find some treasures as well. As usual, Tom Michaud WA3TQJ will be our master auctioneer.

*(Continued from page 1)*

hysteries from the Honda generators. The 100-200 feet of romex acts like a big, nasty antenna for it too.

So he fights with power constantly dropping out from under him. SWR that matches one day, and is impossible the next. The wind rips down the dipole regularly (currently touching a 2m beam he uses for e-mail). There are times he can have everything working at peak performance and all the bands will be quiet as softly falling snow. Being from the heavily populated east coast I had to experience that

one for myself to believe it. When the bands dead up there, there is absolutely nothing.

But still he perseveres.

I look at my modest setup and take comfort in how I can pop it on and call out when I want to, but then how little I take advantage of it with a busy east-coast lifestyle. He's got the time, but an incredible battle. I've got a downhill slide, and seldom use it.

I wish there was time enough to fix his setup because he thoroughly enjoyed working daily nets and talking to people throughout the US and the world when things were

working well. But, reliability is something you have to work at very hard in Alaska. A system like his takes constant vigilance and sometimes psychic intuitiveness to debug and fix when it goes awry.

So the next time I sit down in my shack and pop on my gear, I'll think of him and put out an extra call or two for those who want to, but just can't at the moment.

Anthony Burokas - KB3DVS -  
President

*(Continued on page 3)*

(Continued from page 2)

**Warminster Amateur Radio Club**  
**Club Meeting Minutes for:**  
**March 1, 2007**

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

**MINUTES FORM FEBRUARY CLUB MEETING**

Accepted as published in the Feedback Newsletter

**INTRODUCTIONS**

**VISITORS**

Rick Lamb(K3TZ) from HRO.

**UPGRADES**

Michael(KB1JEY) to General class  
 Rich(KB3NRL) to Amateur Extra

**TREASURERS REPORT**

As given.

**HAPPY BIRTHDAY**

It was a big one! Cake, candles and black balloons! Like a block of sharp cheese, George(N3HBT) just gets better with age!

**PROGRAMS- Larry(WA3ELQ)**

(Please see Programs listed below). If anyone has any Programming ideas for Future Club Meetings, please see Vice-President Larry(WA3ELQ).

**COMMITTEE REPORTS**

**PUBLIC SERVICE- George (N3HBT)**

? Sunday April 29- March-of-Dimes Walk at Tyler State Park. The Upper, Middle and Lower walks have all been combined. 20 operators needed.

? Memorial Day- Warminster Parade 10am to 1pm. Drinks and hotdogs at the VFW afterwards.

? Thursday June 7- Hole-in-One Golf Competition at the 5 Ponds Golf Course in Warminster. 10 to 12 radio operators are need from 7:30am to 1:30pm. A hot buffet lunch follows.

? Saturday June 16- National Flag Day Festival and Parade from Logan Circle to the Art Museum in center city Philadelphia. The event will be televised. 20 amateur radio clubs have

been contacted, so far only four have responded. 50 radio operators are needed for parking and parade coordination. Everyone participating will receive a hat, shirt, and buttons with a meal to follow. Time TBA.

? Saturday July 28- Hatboro Car Show.

? Monday October 28- Columbus Day Hole-in-One Golf Competition at the 5 Ponds Golf Course in Warminster.

MS 150- Michelle (KB3MTW) Shirts available for those who participated.

**HAM FEST- Todd (KB3LCT)**

Sunday May 6, 2007- Warminster Ham Fest Flyers are available for distribution to other area ham fests.

**MEMBERSHIP- Michelle (KB3MTW)**

119 active members. Lamination of membership cards was available, Al (WI3Z) was also available to take member photos.

FIELD DAY- 2006 Rich (KB3NRL) June 23 and 24 at the Shrine of Chestahova. Time is: Saturday 18:00 UTC to Sunday 21:00 Sunday UTC. Band captains needed. Mark(N3GNW) and his wife will not be available for cooking.

LIBRARY- Bill (K3ZMA) New books have been added and are available to club members.

CLASSES- George (KA3WXV) Tech classes starting Tuesday March 13, 2007 from 7 to 9pm, for 8 weeks. A poll was taken to see if there was any interest in General and/or Amateur Extra classes. About 10 members were interested in taking Amateur Extra classes.

SKYWARN- Mike (W3MJP) Sunday March 11, 2007, 9am, Philadelphia and Burlington Counties coordination meeting at the: Burlington County Emergency Center  
 732 Woodlawn Rd. Mount Holly,

NJ

The meeting is open to all amateur radio operators.

REPEATER- Brian(N3EXA)  
 Both repeaters are working fine. The 443.95 repeater has ECO Link; the 147.09 repeater has four remote RX sites and works well from the greater Delaware Valley area with just an HT. PL Tones are required for access.

**OLD BUSINESS**

Four 2 meter radios are available for loan to club members. Borrowers must provide their own batteries.

**NEW BUSINESS**

None

Business portion of the meeting was adjourned by the President at 8:10 pm.

**REFRESHMENTS**

50/50

**PROGRAM-**

Rick Lamb(K3TZ) from HRO's store in New Castle, DE.

**OLD AND VINTAGE**

**RADIOS:**

? ADI- Stay away from these! No support. 220 HT and 220 Mobiles are the only ones available.

? ALINCO- Stay away from these! No support. 220 HT and 220 Mobiles are the only ones available. Poor supply of parts and repair.

? ICOM- Took the high-end technologies and migrated to lower priced radios.

? KENWOOD- The rumor of their demise is much exaggerated! They are not out of business! They support their radios for about 10 years. Stay away from those over 10 years old.

TEN-TECH- The only large US manufacturer of amateur radios.

? YAESU- HRO's best seller. They have a new aggressive management team. The best value for the money in both HT and Mobile radio.

(Continued on page 4)

(Continued from page 3)

### USED RADIOS-

? ICOM- Good service by an out-source company.

? KENWOOD- Good service by an out-source company in Virginia Beach. Avoid any solid state radios that are pre-1998. Parts are not available.

? YAESU- Good service for current and one-post generation radios.

### NEW RADIOS-

New radios will be introduced at Dayton and beyond. New ecological standards call for no-lead solder.

### "RICK PREDICTS"-

More digital and internet style radios. These include D-Star and Software Defined Radios.

### QUESTION AND ANSWERS

Afterwards, Rick took a large variety of questions from the audience and provided his expert opinion on those subjects.

Submitted-  
kb3ibq 3/01/07

### **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 or Membership co-chair Mark Hinkel (WA3QVU) for more information.

### **PUBLIC SERVICE**

? Sunday April 29- March-of-Dimes Walk at Tyler State Park. The Upper, Middle and Lower walks have all been combined. 20 operators needed.

? Memorial Day- Warminster Parade 10am to 1pm. Drinks and hotdogs at the VFW afterwards.

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? Saturday July 28- Hatboro Car Show.

? Monday October 28- Columbus Day Hole-in-One Golf Competition at the 5 Ponds Golf Course in Warminster.

### **MS-150**

**WHO:** Over 6,000 cyclists and 1,200 volunteers from across the Greater Delaware Valley area will gather to help end the devastating effects of multiple sclerosis.

**WHAT:** The National Multiple Sclerosis Society Greater Delaware Valley Chapter's 27th anniversary MS 150 City to Shore Bike Ride

**WHEN:** Saturday and Sunday, September 29th and 30th, 2007. The 150 mile route kicks off at 6:30 a.m. Saturday; 45 mile route at 10 a.m.; and 25-mile route at 8:30 a.m.

**ROUTES:** Various cycling route options for everyone in the family including everything from a 25-mile route to a 175-mile route. The Tour travels through 18 townships in the southern NJ area.

**WHERE: Main starting location:** PATCO-Woodcrest Station in Cherry

Hill, NJ (Exit 31 off Route 295). Cyclists ride to the Ocean City Civic Center (6th and the Boardwalk, Ocean City, NJ) via the Ocean City-Longport Bridge on Saturday. Two-day cyclists complete a return trip for the final finish line celebration at the PATCO-Woodcrest Station on Sunday. Other starts: 45 mile (Hammonton) and 25 mile (Mays Landing).

**WHY:** The cyclists ride in the event with a single goal — to raise more than \$4 million to support MS programs and research. The National MS Society supports more MS research, offers more services for people with MS, provides professional education programs and furthers more MS advocacy efforts than any other MS organization in the world.

Join your fellow communication experts in the fight against MS as we support the largest, two-day public service event in the US. You will play a crucial role in the successful completion of the Bike Tour. On September 29 and 30, 2007, over 6,000 cyclists of all ages and cycling abilities will ride through Southern New Jersey. This Bike Tour is advertised as being fully supported because of HAM and CB radio operators like you! Whether you can volunteer one day or two, we welcome your support! As a volunteer, you will receive a complimentary Communications T-Shirt, dinner on Saturday, and breakfast on Sunday, a hotel room overnight in

### **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)

Ocean City for you and friends or family who volunteered for both days of the Bike Ride, an invitation to share in the festivities at the finish line in Ocean City and most importantly, the satisfaction that you contributed in your own way, in helping to find the cure for Multiple Sclerosis.

(See Michelle, KB3MTW for more information)

## NEW LICENSE REQUIREMENTS

New, first time hams can still use their social security number to put on the form 605, but upgrading hams must have a FRN, federal registration number which can be gotten from the FCC web site.

The next VE test for WARC will be given at the WREC, 1101 Little lane, Warminster, PA at 7:00 pm on Wednesday, March 28. For more information contact Tom WA3TQJ at (215)-343-3494.

## SOLAR UPDATE

Sunspot seeker Tad "Who Let the Spots Out?" Cook, K7RA, Seattle, Washington, reports: For the past 10 days we've observed no sunspots at all! Periods like this -- or longer -- are expected at the bottom of the sunspot cycle. As mentioned in a recent "Solar Update," the latest projection for smoothed sunspot numbers from the NOAA Space Environment

Center puts the solar minimum at February through April 2007, with a smoothed sunspot number of 11. Another way to look at it is that the minimum is projected between December 2006 and July 2007, with a smoothed sunspot number of 12 or lower.

The lower part of the HF spectrum is a good place to operate at the bottom of the sunspot cycle. Unlike 10 or 15 meters, 160 and 80 meters won't be bothered by a low MUF (Maximum Usable Frequency) -- a consequence of the lack of sunspots. With less solar activity comes fewer problems with geomagnetic disturbances, which can be frequent toward the top of the cycle.

For the CQ World Wide WPX Contest (SSB) this weekend, there probably won't be any sunspots. The higher frequencies won't be fantastic, but geomagnetic conditions are expected to be stable and quiet. The US Air Force predicts planetary A index for March 23-29 at 5, 5, 10, 15, 20, 10 and 5. Geophysical Institute Prague says that March 23 should be quiet to unsettled, March 24-25 unsettled, March 26-27 unsettled to active, March 28 unsettled, and March 29 quiet.

Sunspot numbers for March 15 through 21 were 0, 0, 0, 0, 0, 0 and 0, with a mean of 0. The 10.7 cm

flux was 69.2, 68.7, 69.3, 70.5, 70.1, 72.6, and 72.8, with a mean of 70.5. Estimated planetary A indices were 8, 10, 8, 3, 2, 2 and 2, with a mean of 5. Estimated mid-latitude A indices were 5, 11, 8, 1, 1, 1 and 1, with a mean of 4.

For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page

<<http://www.arrl.org/tis/info/propagation.html>>.

Courtesy The ARRL Newsletter

## CubeSat launch scheduled

Four CubeSats operating on Amateur Radio frequencies will be among seven CubeSats set to head into space on a Dnepr launcher Tuesday, March 27, from the Baikonur Cosmodrome in Kazakhstan. CubeSats carrying Amateur Radio payloads are CalPoly's PolySats CP3 and CP4, which will transmit 1200 bps FM AFSK (AX.25) on 436.845 MHz and 437.325 MHz, respectively, under an FCC Part 5 experimental license; University of Louisiana's CAPE-1, which will transmit 9600 bps FM FSK (AX.25) and CW telemetry during opposite 30-second intervals on 435.245 MHz using the call sign K5USL (forward telemetry reports via e-mail "<jd.harrist@gmail.com>"), and the Universidad Sergio Arboleda's Libertad-1, which will transmit 1200 bps FM AFSK (AX.25) on 437.405 MHz. CubeSat separation is scheduled to occur March 27 at 0702 UTC with first acquisition of signal over South Africa at 0708 UTC.

Courtesy The ARRL Newsletter

## ➤ ATLANTIC DIV. HAMFESTS - 2007

15 Apr 2007 + Springfest 2007 Delaware Valley Radio Association  
<http://www.w2zq.com> West Windsor, NJ Skating Rink at Mercer County Park  
 22 Apr 2007 + York Hamfest Foundation  
<http://www.yorkhamfest.org> York, PA York County 4-H Center  
 28 Apr 2007 + Jonestown Mountain Repeater Association  
 Wright Township Firehall 477 South Main Road Mountaintop, PA  
 6 May 2007 + Warminster ARC <http://www.k3dn.org/hamfest.htm>  
 Wrightstown, PA Middletown Grange Fairgrounds  
 19 May 2007 \* Delaware Section Convention Georgetown, DE  
 Sussex Tech H.S Routes 113 & 9  
 27 May 2007 + Memorial Day Hamfest Maryland F. M. Association, Inc  
[www.marylandfm.org](http://www.marylandfm.org) West Friendship, MD Howard County Fair Grounds

## ➤ CLUB EQUIPMENT

WARC has purchased four Vertex Standard 2-meter HT's that are available for use by members of the club. The HT's are available on a month-by-month basis and have been purchased primarily to help new hams get on the air. However, they may also be used by any club member who is in need of a temporary 2-meter radio. They are also available for use by participants in WARC's public service activities.  
 DE, Larry Abbott WA3ELQ  
[WA3ELQ@k3dn.org](mailto:WA3ELQ@k3dn.org)  
 215-443-7521

**SKYWARN INFORMATION**

**MOUNT HOLLY NWSFO SKYWARN Weekly Information Net: EVERY THURSDAY AT 21:00 HOURS**  
**SKYWARN Net Repeater Listing/ Streaming Audio of scheduled SKYWARN Net:** <http://www.skywarnnet.net>  
**\*You do NOT have to be a certified SKYWARN Weather Spotter to check into the Net\***

**Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)**  
 Fairless Hills, PA (many remote access locations throughout Bucks County)

**Mount Holly NWSFO SKYWARN Homepage:**  
<http://www.erh.noaa.gov/phi/skywarn/index.html>

**SKYWARN Basic Weather Spotter Educational Programs URL:**  
<http://www.erh.noaa.gov/phi/skywarn/training.html#sched>

**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 2007 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 Schmill, KB3CEZ, 215-257-6368 days 215-538-7458 evenings.

**Philadelphia, PA**, Testing is done on the 4th, non holiday Thursday of the month at the, Community Ambulance Association of Ambler, 1414 E Butler Pike, Ambler PA 19002 at 7:00 PM We also are testing on Saturdays at least once per quarter at 9:00 AM. Scheduled so far is 3/3/7, 6/9/7, 9/15/7 and 12/22/7. For further information contact James McCloskey at [jmccloskey@msn.com](mailto:jmccloskey@msn.com) and by phone 215-275-2979.



*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.

The Warminster Amateur Radio Club will be offering free ham radio licensing classes starting on Tuesday, March 13th, 2007 at the Benjamin Wilson Community Center. The classes will start at 7:00 pm and last until 9:00 pm and run for 8 weeks. The Classes are free, but the students will be responsible for any study guides. We plan to use the current ARRL Study guide.

For further information contact: George Altemus at [altemus@drs-c3.com](mailto:altemus@drs-c3.com) or phone 215-855-3856 evenings or George Brechmann at 215-443-5656

**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 Buergers
  - 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
  - 223.76 K3NAL

- UHF**
- 442.650 DVRA
  - 443.250 TAG
  - 443.050 Metro-Comm
  - 443.950 Warminster
  - 444.200 BEARS
  - 449.325 KA3WXX
  - 447.475 WR3B
  - 447.625 WE3E
  - 448.225 Penn Wireless

- 6 Mtr**
- 53.030 WA3BXW
  - 53.230 N3DQZ
  - 53.370 K3MFI

**Bucks County Amateur Radio Emergency Service (BCARES)**

[www.bucksares.org](http://www.bucksares.org)  
 Bucks County ARES will be on the air Wednesdays, at 9:00 PM . We will be using Warminster Amateur Radio Club's repeater on 147.090, pl 131.8.

Telpac Stations on:

- Upper NJ3A-10 145.610 Riegelsville
- Central KB3BUX-10 145.670 Ivyland Home frequency
- Lower NY3J-10 145.530 Bensalem

**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
Wednesday	2030	WARC	147.09 Rptr.
Thursday	1900	Mont. Cnty RACES Net	146.835 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 Memer:   \$ 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.

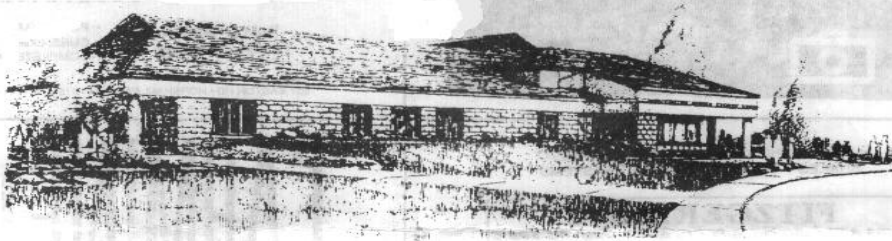
**2007 Officers**

Executive Officers

President	Anthony Burokas	KB3DVS	632-3283
Vice-President	Larry Abbott	WA3ELQ	443-7521
Secretary	Jerry Robinson	K2AKW	659-8287
Treasurer	Denise Burstein	KB3ANO	355-1150
Director (E)	Tom Michaud	WA3TQJ	343-3494
Director (E)	George Brechmann	N3HBT	443-5656
Director (A)	Al Konschak	WI3Z	491-9941
Director (A)	Steve Larson	WW3Y	822-1511
Past President	Tony Simek	N3YNH	674-5218

Committee Chairpersons

Feedback Editor	Jim Elmore	WA4YWM	538-1889
Membership	Mark Hinkel	WA3QVU	6594449
	Michelle London	KB3MTW	672-7578
	Rich Enwright	KB3NRL	357-9055
Field Day '07			
Grange Fair '07			
Hamfest '07	Todd Hevener	KB3LCT	
January '07 VHF Contest	Joe Bagnick	N3EMA	997-2539
PA QSO Party '07	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
ARES Liaison	Denise Burstein	KB3ANO	355-1150
Awards Mgr.	Vince Pironti	KD3TC	674-0446
Classes	George Altemus	KA3WXX	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	Mike Karabin	WJ3O	889-7202
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	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.**