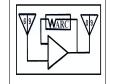


# FEEDBACK



Warminster Amateur Radio Club

Web Site http://www.k3dn.org

March 2002

### **Next Meeting March 7th - HRO Night**

### President's Message



February was a pretty quiet month for the club (if you discount the annual auction) and March is shaping up to be the same. But sometimes a little peace and quiet is good. It gives us a chance to catch our breath and take a step back to look at the big picture.

As you know Warminster Amateur Radio Club was actually incorporated with the state of Pennsylvania many years ago. Unfortunately, it looks like once all the paperwork was filed with the state, there was not any final follow through. Through the generous help of Russell Tobias KB3UI, we have confirmed our incorporation status with the state. Russ is also spearheading the effort to review our constitution and bylaws and to bring them up to the level needed so that WARC can apply for 501(c)(3) status. This would give the club official non-profit status and a number of advantages in our dealings with other organizations. It would also allow you to take a tax deduction for anything you donate to the club. (Of course pursuant to I.R.S. rules.) Within the next month or two a proposal for the updated constitution and bylaws will be presented to the club. The main thrust of the changes is to prepare us for 501(c)(3) status. Please do not panic, but when the time comes, review the changes carefully and voice your opinions.

Burt Ludin N3YVH has stepped down as the Holiday Dinner coordinator (though he will still be our master of ceremonies). We need a volunteer to fill in for him. The main task is to put together a little program for the evening and to search out and gather door prizes. Burt will be glad to let you know his time tested methods of putting

#### **March Special Events**

Rapid City, SD: QCWA Dakota Chapter 102, WODAK. 1500Z Feb 23 to 0300Z Feb 24. Commemorating 25th anniversary of Chapter 102. 21.375 14.275 7.240 3.889. Certificate. Frank Shaw, WODAK, 118 E Van Buren, Rapid City, SD 57701.

**Round Rock, TX:** Cen-Tex Contest Group, WA5DTK. 0001Z **Feb 23** to 2359Z **Mar 6**. Commemorating the siege days at the Alamo. 7.265 14.265 21.265 28.465. QSL. Barry Brewer, WA5DTK, 603 Broken Bow Dr, Round Rock, TX 78681-7401. For more information, e-mail jbrewer@constant.com.

Arlington Heights, IL: Peace Corps ARC, KA9NLX. 1600Z to 2300Z Mar 1. Celebrating the birthday of Peace Corps, and to honor its volunteers. 7.283 14.325 21.375 28.525. Certificate. John Paskevicz, KA9NLX, RPCV, 1423 North Ridge Ave, Arlington Heights, IL 60004.

**Daytona Beach, FL:** Daytona Beach Amateur Radio Assn, Inc, K4BV. 1800Z **Mar 1** to 1800Z **Mar 10**. 2002 Daytona Beach Bike Week Event. 28.450 21.250 14.265 7.210. Certificate. DBARA/K4BV, PO Box 9852, Daytona Beach, FL 32120-9852. Operation plans include HF phone and PSK31, primarily during daylight hours.

Philadelphia, PA: Phil-Mont Mobile Radio Club, W3AA. 0000Z Mar 1 to 0000Z Mar 31. Celebrating the 50th Birthday of W3AA in the Franklin Institute. 28.393 21.350 14.230 7.240. Certificate. Stephen Hoch, WU3I, 4638 Oakland St, Philadelphia, PA 19124.

Wasilla, AK: Matanuska Amateur Radio Assn, KL7JFU. 2100Z Mar 2 to Mar 23. Celebrating the 30th running of the Iditarod Sled Dog Race. Operation will continue through the day after the last sled completes the race. 28.460 21.315 14.246 7.290. QSL and certificate. Len Betts, NL7NF, 3090 Bald Eagle Dr, Wasilla, AK 99654. Will try to operate all bands. For more information, contact lelbak@yahoo.com. Trenton, NJ: Delaware Valley Radio Assn, Inc, 1200Z to 2200Z Mar 10. Six months after September 11, honoring all firefighters, EMS, police, and victims and their families. W2ZQ on 12.240 and 7.235, W6OI on 28.400 (10X International). QSL. Harry F. Hochman, K2IQN, FF/EMT, 22 Daisy Ct, Whitehouse Station, NJ 08889.

Macon, GA: Macon Amateur Radio Club, W4BKM. 1500Z to 2200Z Mar 16. Celebrating the 20th Annual Cherry Blossom Festival. 21.335 14.240 voice; 14.055 7.135 CW. Certificate. Macon ARC, PO Box 4862, Macon, GA 31208.

**Mount Holly, NJ:** NWS-Phi SKYWARN Assn, WX2PHI. 1500Z to 2100Z **Mar 17**. Promoting Hazardous Weather Awareness Week in Pennsylvania. 28.373 14.273 7.273. Certificate. John Holmes, WX3W, WX2PHI Special Event, 126A Worman Rd, Bath, PA 18014-9099.

Courtesy The ARRL Newsletter

this together. If you would like to fill his shoes, please let me or Burt know as soon as possible.

Finally, Joan Charlton N3CJH has resigned as chairwoman of the Sunshine Committee. I would like to thank her for her years of service to the club in this position. I would also like to say thank you to Vince Pironti KD3TC for volunteering to take over the chairmanship.

I look forward to seeing you at the next meeting.

Mark Kempisty - N3GNW President Warminster Amateur Radio Club

(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.



Page 2 FEEDBACK

(Continued from page 1)

## Minutes of Warminster ARC Meeting of February 7,2002 Dave AA3UR, Secretary

The meeting was called to order by the President, Mark Kempisty N3GNW. Three Visitors were present: Jim AA3AQ, Ron KA3OOB, and Steve N3MAB. Mark reminded us that any January VHF Sweepstakes logs submitted for club credit must refer to "Warminster ARC" in order to be counted in our total. The club hamfest will be May 5, 2002. The club spends more money each year for the benefit of club members than the dues we take in. The hamfest helps cover the spending and keeps the club viable. Joan Charlton who has headed the Sunshine Committee for years will be retiring. We need another person to take this over. See Mark if you are interested. George will report in detail about the new tower. Randy needs some help after the club meetings to clean up the kitchen area. The minutes as published in February's Feedback were approved.

Tony N3YNH went over the coming programs:

March Rick Lamb (HRO) Buying Used Equipment

June Homebrew and Pizza Night

Vahan KB3DHU Gave the treasurer's report

Dave AA3UR received a letter from Rich Dunning, the race director for the Bucks County Roadrunners thanking the club for our assistance in the recent 5 mile run. Without our assistance it might not have been the safe, successful run it was. They raised \$2600 and 500 lbs of food for Bethana.

Bill K3ZMA reported the progress made on the Hamfest. All permits and fees have been paid. We need helpers to sign up for the various duties. In particular, Bill needs to talk to those who have put up the road signs leading to the Hamfest. Please get in touch

with him. The button slogan contest will be held next month, so get to work preparing a slogan. If you know of a vendor who you would like to attend get a vendor flyer from Bill and send or give it to him. If you are going to another hamfest take a bunch of vendor flyers along with you.

Bud K3TPM and Mark WA3QBU covered the membership committee activities. Eighty-eight letters were mailed to inactive members specifically reminding them that they need to renew their membership. Mark reminded us that he will email a text only version of the *Feedback* to any member who would like it. This is a particularly good way to have a reading program read *Feedback* to you.

George N3HBT reported that the repeater was working well. The earth has been broken at the new antenna site and a buried fuel tank was found. Testing is being done to determine if any environmental remediation is necessary. Assuming that none is necessary, the tank will be removed, a footing will be poured, and the antenna erected in short order. The nearby water tank will be dismantled in the near future, and this will give the repeater greater coverage in that direction. No public service work is scheduled in February or March. There is a March of Dimes event in April.

George KA3WXV reported that the no-code Technician class will start on the second Monday in March at 7:30 at the Senior Center. There will also be an Extra class led by Tom KA3FQS.

Bob KA3VKU Reported that He will make ID badges for RACES members. Just send Bob a photo and he will make the badge. There will be a FEMA Field Drill and EOC on two separate nights. The first is on February 21, 2002. This

will simulate a Limerick melt down.

Stu K2QBU reminded us that Field day is the last weekend in June. Anyone wanting to participate, should get in touch with him.

Old Business: The club QSL cards should be on their way here shortly from Octavia Printing (http://www.octavia.com/) The club incorporation information has been provided by the state. Russ KB3UI will suggest changes to the By Laws and Constitution to reflect incorporation. After these changes are made, we may pursue recognition as a not for profit corporation from the IRS.

New Business: Burt N3YVH asked for an assistant to help pick up prizes for the club Holiday Dinner. Frank K3OPA, club archivist, is looking for any photographs to include in the archives. If you have anything interesting to include, let him know.

Meeting was adjourned, followed by refreshments, 50/50 drawings, and the club auction.

### The Original Radio "Low Band"

As Radio Amateurs we're used to hearing fellow Hams refer to the "Low Band" or "Magic Band" when speaking of the 160 Meter band. But there is another, lower, band that is even more magical which anyone. including Hams, can easily listen to. I'm referring to what is commonly called Mother Earth's Radio or Natural Radio reception in the Extremely Low Frequency (ELF) range from 3 Hertz to 3 kHz and extending into the Very Low Frequencies (VLF) from 3 kHz to 30 kHz. If our ears could hear electromagnetic waves, we would be able to hear these signals since this frequency corresponds closely to the human hearing range. So it turns out

(Continued on page 3)

FEEDBACK Page 3

(Continued from page 2)

a receiver for Natural Radio signals is a very simple device, easily constructed by the average experimenter. A typical receiver is just a high gain audio amplifier with a whip antenna and some internal filtering to prevent overload from signals higher in frequency than about 15 kHz and harmonics of 60 cycle power line emissions. Several designs are available including ones by Mideke, McGreevy, and the Project Inspire group, sponsored by NASA. Because of the potential for power line harmonic interference it is usually necessary to go outside and away from civilization to receive clean signals. The best natural radio reception occurs at night through to dawn, and almost any time of the year, because there are always lightning storms occurring somewhere on earth. Of course you don't want to be out when local thunderstorms are active.

The many types of natural radio signals are described by names that give you clues to how they sound, including tweeks, whistlers, chorus, hiss and spherics. Spherics are familiar to Hams as the static crashes of summer-time lightning storms. Lightning strokes launch large amounts of electromagnetic energy into the earth's ionosphere. Under certain conditions the energy escapes into the earth's magnetic field and follows the magnetic field lines around the earth, sometimes many times, each trip creating another whistler; trains of as many as twenty have been recorded. Tweeks occur when the energy is trapped in the ionosphere and bounces back and forth. You may wonder how a lightning stroke can generate so many sounds from a rush of energy lasting only a few microseconds. Remember that any distortion of a sine waveform generates harmonics; for instance a square wave has odd harmonics extending, theoretically, up in frequency forever. A lightning stroke is a very short and intense energy discharge which is exactly the opposite of the sine wave. It contains energy at all frequencies up to VHF and is theoretically referred to as an impulse. The ionosphere and magnetosphere favor some frequencies over others and also propagate different frequencies at

different speeds. The combination of these effects give rise to the discrete tones and swept tones heard in natural radio signals. Al, WI3Z, has put a .wav file on the club Web site so you can hear what some of these signals sound like.

For more on this subject you can do a search on the Web with keywords "Natural Radio" or "VLF". You will find much more information including several simple receiver designs. There is also a Natural Radio discussion group on Yahoo at "http://groups.yahoo.com/group/VLF\_Group/". There was also an introductory article in QST, January '94, pages 49 to 51.

#### Bill, K3ZMA Sound Link for Article Above

#### **HAMFEST**

Hey Folks, put down that mike for a minute, QLF if ur on CW, or just try to remember those nightmares and jot down any of the winning ideas you might have before the next meeting for the annual Hamfest Slogan Contest. We'll all be voting at the March meeting to decide which slogan will appear on Tom WA3TQJ's last hurrah as button manufacturer. 73 to all, Bill K3ZMA 2002 Hamfest chairperson

### Warminster Amateur Radio licensing Classes

### Entry level ham radio classes in March, 2002

These licensing classes start on March 11th at 7:30 PM till 9:00 PM and run every monday evening till May 27th at the Benjamin Wilson Community Center. The classes are free but the students will be responsible for any study guides.

For further information call: George Altemus at altemus@drs-fsccomm.com or call 215-855-3856 or George Brechmann at 215-443-5656

#### **Club Station**

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

### WARC ALUMNI MEMBERSHIP

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

#### FOR SALE

### For Sale List - WC3Q - Silent Key

The following are the components of the main station of Brian Cassidy, WC3Q, now a silent key. All are in very good condition and can be bought as a group or individually. However, I will not sell the RS 35M power supply until after the IC 735 Transceiver is sold.

Icom IC 735 HF all band Transceiver and general coverage

 $(Continued\,on\,page\,4)$ 

Page 4 FEEDBACK

(Continued from page 3)

#### receiver.

Covers all Ham Bands from 160 meters through 10 meters. Operates in all modes. Power continuously adjustable from 10 watts to 40 watts output on AM, and from 10 watts to 200 watts input on FM, & CW, and from 10 watts to 200 watts PEP on SSB. General coverage receiver covers 100 KHz through 30 MHz. Comes with HM 12 microphone and both operating manual and service manual. Requires 13.8 volt +/- 15%, 20 amp, negative ground power supply. Have original box. Bought new for \$949.95, asking \$400.00.

Astron RS 35M Metered Power Supply, 13.8 Volts, 25 amp. continuous, 35 amp surge. Bought new, \$164.95, asking \$80.00.

Bencher YA-1, 1 KW Low pass filter. Instruction sheet. Bought new for \$49.95, asking \$20.00.

Palomar Engineering Model M 835 LED Bar Graph Auto SWR and Power Meter.

Frequency range 1 to 30 MHZ. Power ranges, 0-2, 0-20, 0-200, and 0-2000 watts. SWR range, 1.0 to 10+. UHF connectors. Power required, 12 Volt DC at 800 MA.

Bought new \$203.95, asking \$80.00. Includes Manual.

Icom AT 150 HF Full Automatic Antenna Tuner. Made as a mate for the IC 735 with matching style and size. Connecting control cable. Includes manual. New on sale was \$529.95, asking \$210.00.

Icon SP3 External Desk Speaker for IC 735. Have original box. New on sale, \$99.95, asking \$40.00.

Icom SM-20 Desk Mic. For the IC 735. New \$219.99, asking \$90.00.

JPS Communications, NIR-10 Noise / Interference Reduction Unit. The NIR-10 is an audio processor designed to enhance the quality of received voice

and CW transmissions. It does this using a digital signal processor (DSP). It is connected between the transceivers external speaker output and an external speaker. It requires a 12 volt power source with a peak capability of 1 Amp. Includes manual and original box.

New on sale \$249.95, Asking \$100.00.

Alpha Delta 2, 500 MKz coax switch / protector.

New \$49.99, asking \$20.00.

The following are additional items for sale that were not part of his main station: Astron RS 12A, power Supply. 12 Volt DC, 9 amp continuous, 12 amp. surge. new \$79.99, asking \$40.00.

Kantronics RF Concepts RFC 2 / 70g 2 meter and 440 MHz mobile amplifier and HT pre-amp. 143 to 149 MHz, 5 watts in, 30 watts out. 430 to 450 MHz, 5 watts in, 20 watts out. Paid \$239.95, asking \$50.00.

JPS Communications Model ANC-4 Antenna Noise Canceller. Range 500 KHz to 80 MHz. Requires 12 volt at 300 MA. In original box with manual. New \$175, asking \$50.00.

Icom BC-35 Desk top charger for Icom HT batteries BP-2 through BP-5A, and BP-7, 8 and 70. Manual and

original box.

Paid \$79.00, asking \$30.00.

Diamond Vert. Antenna F23A, 2 meter, 200 watt, 15 ft. 3 x 5/8 wave = 7.8

DB gain, Has SO-239 connector. Brand new. Paid 127.95, asking \$65.00

MFJ 1750 2 meter, 3 element Portable Yagi. Mounts to 1 1/4" mast. Boom is 30 1/2 X 1 3/4 X 1 1/4 inch. Brand new still in box.

Paid \$45.00, asking \$25.00.

New Wave "Big Foot" park on antenna mount with the "Traveler" 19

ft.

push up mast (59 inch collapsed). Brand new - never fully unpacked. Should be great for Field Day.
Paid \$119 + \$124 + \$244, Asking \$150.00

Contact Harold Cassidy (Brian's father) directly. E-mail Harold Cassidy, k3omx@juno.com Phone 215-675-3845

### President Bush addresses Florida ARES net

President George W. Bush spoke January 31 via Amateur Radio to members of the Northem Florida Amateur Radio Emergency Service Net (NFAN). The president was in Florida to spotlight five volunteer groups--among them the Volusia County Amateur Radio Emergency Service (ARES)--for their value to the new Office of Homeland Security.

"I want to thank all the volunteers who help make sure that Florida is prepared for any kind of emergency," the president said in part, after checking in around 9:15 AM to a regular ARES net session. "I want to thank you all for helping your communities be prepared." Bush spoke on the net for about 30 seconds.

### 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.

**FEEDBACK** Page 5

(Continued from page 4)

Northern Florida ARRL Section Manager Rudy Hubbard, WA4PUP, said Bush spoke from a portable station set up at a Daytona Beach fire station. At the request of ARES Volusia County Emergency Coordinator Joette Barnett, KG4HPN. John Schmidt, AF4PU, and Clifford Fraser, KE4HIY, arranged to have the station ready as a demonstration of Amateur Radio's role in emergency preparedness and in the hope that Bush would be willing to address the 75-meter net.

ARRL President Jim Haynie, W5JBP, said he was "extremely gratified" that President Bush recognized the valuable service Amateur Radio operators provide in times of emergencies. "I know that all hams in the United States stand ready to do their part in America's Homeland Security Program," Haynie commented. Haynie has said that defining Amateur Radio's role in homeland security would top his list of initiatives for his second term.

Hubbard said a copy of proposed expanded Amateur Radio (PRB-1) antenna legislation was given to the President and to the president's brother, Florida Gov Jeb Bush, for possible introduction in next year's Florida legislative session. "We Amateur Radio operators will volunteer however we're needed, and maybe it will be seen that we can

greatly help the nation if we have the antennas we need," Hubbard commented. The proposed bill would seek to extend Florida's PRB-1 law to include private deed covenants, conditions and restrictions.

Courtesy The ARRL Newsletter

### **SOLAR UPDATE**

Sun watcher Tad Cook, K7VVV, Seattle, Washington, reports: Average daily sunspot numbers and solar flux were both down this week. Fortunately, geomagnetic indices were low as well. Average daily planetary A index dropped from 10 to 6.

The latest projection shows flux values around 200 for the next few days, gradually declining toward 180 around March 6. There isn't much visible sunspot activity, and holographic images show nothing substantial on the sun's far side. Geomagnetic conditions could become unstable by Saturday with a planetary A index around 20. This is because of a coronal mass ejection that left the sun on February 20, erupting from sunspot 9825. This area is right at the northwestern edge of the visible solar disk, so any effect on Earth is uncertain.

Sunspot numbers for February 14 through 20 were 209, 156, 134, 121, 103, 130 and 157, with a mean of 144.3. The 10.7-cm flux was 196.1,

195, 193.5, 196.6, 192.8, 189.4 and 193.4, with a mean of 193.8. Estimated planetary A indices were 4, 4, 5, 8, 9, 4 and 8 with a mean of 6.

Courtesy The ARRL Newsletter

#### Web Sites of interest

The following were contributed by a club member. If you have sites you think might be of interest to members, let me know. (The Editor)

www.qrz.com www.arnewsline.org www.radioage.com

### **Amateur Radio Emergency Communications course** registration

March registration for Level I opens Monday, March 4, at 4 PM Eastern Time. Courses must be completed in order, starting with Level I. To learn more, visit the ARRL Certification and Continuing Education Web page <a href="http://www.arrl.org/cce">http://www.arrl.org/cce</a> and the C-CE Links found there. For additional information, contact Certification and Continuing Education Coordinator Dan Miller, K3UFG, cce@arrl.org.

Courtesy The ARRL Newsletter

**CLUB EOUIPMENT** 

### 2002 Contest Calendar **Contest**

Month

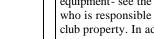
02 - 03 ARRL International DX Contest Phone

08 - 10 ARRL June VHF QSO Party

22 - 23 ARRL Field Day

### July

13 - 14 IARU HF World Championships



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

DE, Mark Kempisty, N3GNW

Page 6 **FEEDBACK** 

### **ATLANTIC DIVISION HAMFESTS - 2002**

### indicates ARRL Hamfest

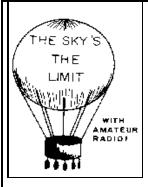
21 Apr 2002 + York Hamfest Foundation York, PA http://www.yorkhamfest.org 5 May 2002 + Warminster ARC Wrightstown (Bucks County), PA

#### **CONVENTIONS and CONFERENCES**

6-7 Apr 2002 \* Maryland State Convention Timonium, MD Baltimore ARC http://gbhc.org

28 Apr 2002 \* Delaware State Convention New Castle, DE Penn-Del ARC http://www.high-tech-services.com/penndel

73' de Bernie Fuller N3EFN. Director Atlantic Division ARRL



http://www.k3dn.org

#### 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.

Entry level classes are starting: March 11, 2002 At The Benjamin Wilson Senior Center 580 Delmont Avenue, Warminster, PA

For info. altemus@gac.usa.com or call:215-855-3856, 6 to 10 pm Ask for George

### Goddard ARC **Shuttle Rebroadcast Frequencies**

Mode Band Frequency (LSB) 80 meters 3,860 kHz 7,185 kHz (LSB) 40 meters (USB) 20 meters 14.295 kHz 21,395 kHz (USB) 15 meters (USB) 10 meters 28,650 kHz 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	<b>Bucks Cnty RACES Net</b>	145.35 Rptr.	
Thursday	1900	Mont. Cnty RACES Net	146.235 Rptr.	

#### 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 2002 test fee is \$10.00.

- 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**, Monthly, 1st Thursday – 6:00 pm Philmont Mobile Radio Club at the Franklin Institute Dusty Rhoads, ND3Q, 215-482-0386

### Area Reneaters

Area Repeaters					
VHF					
145.310	R.F. Hill				
145.350	Doylestown R.C.				
145.525	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				
	220				
224.580	PackRats				
	UHF				
443.250	TAG				
443.050	Metro-Comm				
443.950					
444.200					
449.325					
447.475					
447.625	WE3E				
448.225	Penn Wireless				
	6 Mtr				
53.030	WA3BXW				
53.230	N3DQZ				
53.370	K3MFI				
1296					
1294.100	K3PHL (PL 127.3 as needed)				

FEEDBACK Page 7

### 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

- > Are your dues current ?
- Check the date on your Feedback mailing label.

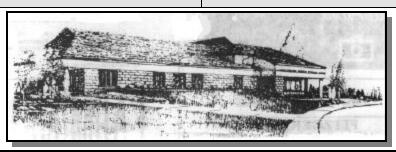
2002 Officers						
<b>Executive Officers</b>						
President	Mark Kempisty	N3GNW	953-1493			
Vice-President	Tony Simek	N3YNH	674-5218			
Secretary	Dave Porter	AA3UR	579-0597			
Treasurer	Vahan Shahinian	KB3DHU	442-1243			
Director (E)	Burt Ludin	N3YVH	441-4483			
Director (E)	George Brechmann	N3HBT	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 '02	Doc Whitticar	W3GAD	968-0641			
Field Day '02 co-chair	Stu Simon	K2QBU	345-9295			
Grange Fair '02	Frank O'Neill	N3UQP	699-9549			
Hamfest '02	Bill Strunk	K3ZMA	882-0749			
January '02 VHF Contest	Joe Bagnick	N3EMA	997-2539			
PA QSO Party '02	Marty Squicciarini	NR3Z	393-1492			
Picnic '02	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			
ARES Liaison	Mike Patton	W3MJP	491-9665			
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			
Repeater Coordinator	Brian Taylor	N3EXA	257-6303			
Station Trustee	George Brechmann	N3HBT	443-5656			
Sunshine Club	Joan Charlton	N3CJH	675-2549			
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	Sieve Larson	WW3Y	822-1511			

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### **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* 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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