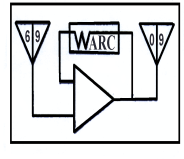




FEEDBACK



Warminster Amateur Radio Club

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

February 2003

Next Meeting February 6th - Club Auction

President's Message



The annual Holiday Dinner was held a little later than originally planned but in the end it was well worth it. Many commented on how enjoyable it was even though it was a month late. I would like to thank all who helped put this event together for the membership.

Warminster Amateur Radio Club, Inc. is a very fortunate organization in that it has a large body of members. It is also fortunate in that it has a large core of members that take a very active part in running the organization for the benefit of all. But, there is always room for more. I firmly believe in the adage that the sum of the parts is greater than the whole. With more members helping out and taking responsibility for club activities, functions and events WARC will grow stronger and more vibrant. And a vibrant organization will attract others to join our ranks (and amateur radio in general) which will help the cycle continue. To help out in some aspect of the club all you have to do is see one of the Board members. Any one of us would be happy to work with you to find an area that would be of special interest to you.

The upcoming February meeting is also our annual auction night. Members donate various items to the club where they are auctioned off to the highest bidder by our esteemed auctioneer Tom Michaud WA3TQJ. If you have never been to one of our auctions, it is a blast. More often than not, there are several treasures there that set off a bidding war. Tom moves at a fast clip and makes it a fun evening. If you only come out to see him in action, it is worth it. But beware, even if you are

February Special Events

East Tawas, MI: Iosco County Amateur Radio Enthusiasts, W8P. 1200Z Feb 1-2000Z Feb 2. Perchville 2003. 28.350 21.250 14.250 7.040. QSL. Dennis Ponsness, 509 First St, Oscoda, MI 48750.
Punxsutawney, PA: Punxsutawney Area Amateur Radio Club, K3HWJ. 1400Z-2100Z Feb 1. Commemorating Groundhog Day 2003. 14.240 7.240 7.125. Certificate. Sherman Hollopeter, W3QOS, Box 20 216 E Main St, Big Run, PA 15715.
Orlando, FL: Orlando Amateur Radio Club, K4H. 1600Z Feb 5-1700Z Feb 9. Celebrating 56 years of Orlando Hamc-a-tion. 28.405 21.275 14.280 7.275. Certificate. Quentin Jones, KU4WD, 1802 Colleen Dr, Orlando, FL 32809.
Greenville, NC: Brightleaf ARC, W1VOA. 1300Z-2200Z Feb 8. 40th Anniversary of Voice of America, Greenville, NC station. 28.340 14.240 14.040 7.240. Certificate. W1VOA, PO Box 8387, Greenville, NC 27835.
Chicago, IL: Metro Amateur Radio Club, K9Y. 1600-2400Z Feb 8 and Feb 9. Chicago Harbor Southeast Guidewall Light (USA 930). 28.370 21.370 14.270 7.270. QSL. Bill Borgstrom, N9TN, 1330 W Columbia Ave, Chicago, IL 60626. <http://www.qsl.net/mac>.
Prescott, AZ: Granite Mountain Middle School YARC, K7A. 1700Z-2300Z Feb 14. Commemorating Arizona's Birthday from Sharlot Hall Museum. 28.575 21.375 14.275 7.275. QSL. Terry Pemberton, KB7TRE, Granite Mountain Middle School, 1800 Williamson Valley Rd, Prescott, AZ 86305.
Lake City, FL: Columbia Amateur Radio Society, K4O. 1400Z-2000Z Feb 15. Olustee Civil War Battlefield Reenactment. 21.325 14.250. QSL. Efrain Bonilla, KP4CW, 586 NW Palm Dr, Lake City, FL 32055.
Alexandria, VA: Mount Vernon Amateur Radio Club, K4US. 1600Z Feb 15-2100Z Feb 16. Commemorating George Washington's Birthday. 28.415 14.240 10.110 7.240. Certificate. Mount Vernon ARC, PO Box 7234, Alexandria, VA 22307.
Centralia, IL: Centralia Wireless Association, W9CWA. 0001Z Feb 15-2359Z Feb 16. Wishing 73 to all on CWA's 73rd anniversary. 21.323 18.133 14.253 7.253. Certificate. Centralia Wireless Association, PO Box 1166, Centralia, IL 62801.
Rapid City, SD: QCWA Dakota Chapter 102, W0DAK. 1500Z Feb 22-0300Z Feb 23. 26th anniversary of Chapter 102. 28.400 21.775 14.275 7.240. Certificate. Frank Shaw, W0DAK, 118 E Van Buren, Rapid City, SD 57701.
Baton Rouge, LA: USS Kidd ARC/Baton Rouge ARC, W5KID. 1500Z-2300Z Feb 28. 60th anniversary of the launching of USS Kidd, DD-661. General class bands, 14.250-14.320; CW QRP subbands. QSL. W5KID, c/o USS Kidd Museum, 305 S River Rd, Baton Rouge, LA 70802

Courtesy The ARRL Newsletter

GET THE FEEDBACK ELECTRONICALLY AND SAVE THE CLUB MONEY!

The current costs of mailing a Feedback including the recent postage increase is \$8.04/year/member. That's \$804/year of savings if 100 members elected to receive Feedback electronically. See Bud, K3TPM to remove you from the mailing list. You can then access the Feedback from the WARC website.

sitting on your hands Tom may make you buy something for a quarter. The proceeds of the auction help offset various WARC expenses during the year. So don't forget your wallet!

I look forward to seeing all of you at the February meeting.

73's,
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.



(Continued from page 1)

1000 MARBLES

A friend of mine who is not a ham but is in the U.S. Air Force recently sent this to me. I found this pretty profound.

The older I get, the more I enjoy Saturday mornings. Perhaps it's the quiet solitude that comes with being the first to rise, or maybe it's the unbounded joy of not having to be at work. Either way, the first few hours of a Saturday morning are most enjoyable.

A few weeks ago, I was shuffling toward the basement ham-shack with a steaming cup of coffee in one hand and the morning paper in the other. What began as a typical Saturday morning turned into one of those lessons that life seems to hand you from time to time. Let me tell you about it.

I turned the dial up into the phone portion of the band on my ham radio in order to listen to a Saturday morning swap net. Along the way, I came across an older sounding chap, with a tremendous signal and a golden voice. You know the kind; he sounded like he should be in the broadcasting business. He was telling whomever he was talking with something about "a thousand marbles." I was intrigued and stopped to listen to what he had to say.

"Well, Tom, it sure sounds like you're busy with your job. I'm sure they pay you well but it's a shame you have to be away from home and your family so much. Hard to believe a young fellow should have to work sixty or seventy hours a week to make ends meet. Too bad you missed your daughter's dance recital" he continued, "Let me tell you something Tom, something that has helped me keep a good perspective on my own priorities."

And that's when he began to explain his theory of a "thousand marbles." "You see, I sat down one day and did a little arithmetic. The average person lives about seventy-five years. I know, some live more and some live less, but on average, folks live about seventy-five

years. Now then, I multiplied 75 times 52 and I came up with 3900, which is the number of Saturdays that the average person has in their entire lifetime."

"Now, stick with me, Tom, I'm getting to the important part. It took me until I was fifty-five years old to think about all this in any detail" he went on, "and by that time I had lived through over twenty-eight hundred Saturdays. I got to thinking that if I lived to be seventy-five, I only had about a thousand of them left to enjoy. So I went to a toy store and bought every single marble they had. I ended up having to visit three toy stores to round up 1000 marbles. I took them home and put them inside a large, clear plastic container right here in the sack next to my gear."

"Every Saturday since then, I have taken one marble out and thrown it away. I found that by watching the marbles diminish, I focus more on the really important things in life. There is nothing like watching your time here on this earth run out to help get your priorities straight."

"Now let me tell you one last thing before I sign-off with you and take my lovely wife out for breakfast. This morning, I took the very last marble out of the container. I figure that if I make it until next Saturday then I have been given a little extra time. And the one thing we can all use is a little more time."

"It was nice to meet you Tom, I hope you spend more time with your family, and I hope to meet you again here on the band. This is 75 Year Old Man, K9NZQ, clear and going QRT, good morning!"

You could have heard a pin drop on the band when this fellow signed off. I guess he gave us all a lot to think about. I had planned to work

on the antenna that morning, and then I was going to meet up with a few hams to work on the next club newsletter. Instead, I went upstairs and woke my wife up with a kiss. "C'mon honey, I'm taking you and the kids to breakfast."

"What brought this on?" she asked with a smile. "Oh, nothing special, it's just been a long time since we spent a Saturday together with the kids. And hey, can we stop at a toy store while we're out? I need to buy some marbles...."

A friend sent this to me, so I to you, my friend. And so, as one very smart bear once said...

"If you live to be a hundred, I want to live to be a hundred minus one day, so I never have to live without you." -Winnie the Pooh

73's
Mark - N3GNW

Meeting Info – Tony Simek, VP

March 03
ARRL Night

April 03
QRP Radio Carter Craigie

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

(Continued on page 4)

Ok all you hams out there. Has anyone NOT seen the movie "Contact" based on Carl Sagan's book and starring Jodie Foster as the heroine Ellie? If NOT, then you need to get out and rent the video and get set for a real "Ham" treat! The movie begins by showing a young "Ellie" calling CQ with her father proudly looking on. The action quickly moves on to see Ellie as a grownup pursuing research in radio astronomy, looking for alien signals with the Very Large Array (VLA) in New Mexico. But have you ever wondered just whose call sign Ellie was using? Or if it was a "real" call sign?



The callsign used in the movie, W9GFZ, was originally issued to Grote Reber, a graduate of the (now) Illinois Institute of Technology. Reber was a radio engineer at Stromburg Carlson and avid amateur radio operator in Wheaton, Illinois in the 1930's, having worked more than 60 countries. While a student he was inspired by Karl Jansky's 1931 announcement from Bell Labs of the discovery of cosmic static apparently emanating from our galaxy's center. After graduation he attempted to gain employment with Jansky, but because of the depression Bell was not hiring. Reber determined that to receive such signals on his own he would need a large antenna and ended up designing a 32 foot diameter dish antenna which he built in his own back yard, at the expense of half a year's salary. His neighbor, Bill Conklin, W9FM, relates being called to help in assembly and finding piles of cut and painted timbers and concrete piers in Reber's yard, all numbered, which they assembled into the antenna's framework in a few hours. The original antenna is shown below at the left. Reber had to build three different receivers in different frequency ranges before he successfully detected, in 1938, at 160 MHz, the cosmic static he sought, thus confirming Jansky's discovery. At that frequency he was bothered by auto ignition noise and he took to eating after work and going to sleep until midnight, then collecting data all night manually. He was ultimately able to determine that there were other sources of "cosmic noise" in the sky (Cygnus and Cassiopeia) besides our galaxy. By 1943 he had generated the first maps of the radio sky. He also wrote the founding articles of the new science of radio astronomy in 1940/44 for the Astrophysical Journal which were titled "Cosmic Noise". Grote Reber went on to work at NRAO Greenbank during the 50's where his original antenna now stands (right picture below). Reber began research in radio astronomy at low frequencies; building a 1 Km square array operating at 144 meters wavelength in Tanzania where he lived and worked until his death at age 90 on December 20, 2002, a radio and astronomy pioneer to the end. By the way, the amateur radio callsign W9GFZ is now held by the NRAO Amateur Radio Club in Socorro, New Mexico, the site of the VLA in the movie "Contact". Odd tidbit: Reber's mother taught 8th grade; one of her students was none other than Edwin (red shift) Hubble, small world, eh? 73's Bill K3ZMA

WEB resources:

<http://www.phys-astro.sonoma.edu/BruceMedalists/Reber/>

<http://www.gb.nrao.edu/fgdocs/reber/greber.html>

<http://www.aoc.nrao.edu/epo/pr/2002/reber/>

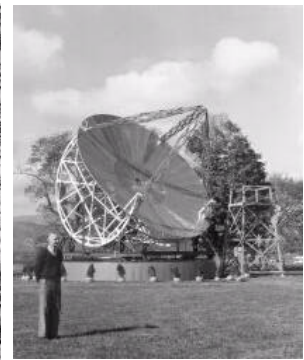
<http://www.nrao.edu/imagegallery/php/level3.php?id=426>

See also: QST Jan '89, pp 58-59, "The Listener"

Credits:

movie pix: <http://contact-themovie.warnerbros.com/>

antenna pix: Image courtesy of National Radio Astronomy Observatory (NRAO) /AUI



(Continued from page 2)

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.

CLASSES

No-Code Tech Classes, (entry level license) March 10, 2003 7:30 PM – 9:00

At the Benjamin Wilson Senior Center
580 Delmount Avenue, Warminster ,
Pa.

For information Email altemus@drs-fsc-comm.com
Or call 215-855-3856, 6 pm to 10 pm
Ask for George

SOLAR UPDATE

Solar seer Tad "That Lucky Ol' Sun" Cook, K7VVV, Seattle, Washington, reports: Daily sunspot numbers and solar flux were down again this week. Average daily sunspot numbers for the week were down by more than 43 points, and average daily solar flux dropped by more than 37 points. Current geomagnetic conditions are unsettled to active, with planetary A index for the past four days of the reporting period (through January 22) at 16, 17, 17 and 17. On Thursday it rose to 19, and it should stay unsettled for a few more days. Planetary A index for Friday through Monday is predicted at 20, 15, 20 and 15.

Solar flux should decline for a few more days. Flux values predicted for Friday through Monday are 135, 130, 125 and 125. Sunday and Monday should have the minimum solar flux, and sunspot numbers for the near term then are expected to rise to a short-term peak around February 6 or 7.

Sunspot numbers for January 16

through 22 were 135, 150, 148, 168, 184, 167 and 152, with a mean of 157.7. The 10.7-cm flux was 144.6, 141.7, 137.4, 130.2, 138, 133.6 and 129.5, with a mean of 136.4. Estimated planetary A indices were 7, 8, 12, 16, 17, 17 and 17, with a mean of 13.4.

Courtesy The ARRL Newsletter

ARRL ANNOUNCES "AMATEUR RADIO TODAY" CD-ROM PRESENTATION

The ARRL soon will make available a new video presentation, Amateur Radio Today, that tells Amateur Radio's public service story to nonhams. Directed by Dave Bell, W6AQ, and narrated by former CBS news anchorman Walter Cronkite, KB2GSD, the presentation runs approximately six minutes.

"We wanted to have something for people to take to nonhams and civic clubs," said ARRL President Jim Haynie, W5JBP. Haynie also anticipates that the CD-ROM production will come in handy during his visits to Capitol Hill. Haynie recently wowed those attending the January ARRL Board meeting by playing--and distributing--draft copies of the disk. A slightly revised, final version is expected to be ready for distribution in early February.

The presentation focuses on Amateur Radio's role in emergency communications. Copyrighted by ARRL, the presentation is intended for personal, noncommercial use as a tool to showcase Amateur Radio in a manner that nonhams can relate to.

"Dozens of radio amateurs helped the police and fire departments and other emergency services maintain communications in New York, Pennsylvania and Washington, DC," narrator Cronkite intones in reference to ham radio's response on September 11, 2001. "Their country asked, and they responded without reservation." Amateur Radio Today also highlights ham radio's part in helping various agencies respond to wildfires in the Western US during 2002 and

mentions ham radio in space.

Haynie said he and Bell discussed the project, and Bell agreed to take it on. Alan Kaul, W6RCL, authored the script, and Keith Glispie, WA6TFD, edited the production. Haynie said Bell, Kaul and Glispie donated a lot of their own time and effort in making the the video presentation a reality.

Amateur Radio "really is the best back-up communications system in the world," Cronkite says in his concluding remarks, adding, "and that's the way it is." That phrase was the one Cronkite always used to close out his nightly newscasts during his tenure with CBS.

Individuals may order a copy of the Amateur Radio Today CD-ROM (approximately 70 MB) from the ARRL on-line catalog <<https://www.arrl.org/catalog/?item=8861>>. Plans are under way to also make Amateur Radio Today available in other video formats if there is sufficient demand. ARRL will make the presentation available for downloading from its Web site as soon as the final version is available. All that's needed to show the presentation to a group is a laptop computer with a CD drive plus a large monitor or a video projector and screen.

Bell, a Hollywood TV producer, is a past chairman of the ARRL Public Relations Committee. Kaul is an NBC Television producer. Bill Pasternak, WA6ITF, of

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)

Amateur Radio Newsline also assisted in the presentation's production.

Because of copyright restrictions, Amateur Radio Today may not be broadcast, multicast or cablecast in any manner. Those seeking to distribute copies of Amateur Radio Today must contact ARRL for permission. To request permission, send your name and contact information and a brief description of the intended use to ARRL Editorial and Production Manager, 225 Main St, Newington, CT 06111; permission@arrl.org.
Courtesy The ARRL Newsletter

HIGH SPEED MULTIMEDIA HAMMING COULD BE THE NEXT BIG THING

High-speed multimedia hamming via the "Hinternet" could be the next big thing for Amateur Radio. That's the hope of the ARRL High Speed Multimedia (HSMM) Working Group, which is adapting the highly popular IEEE 802.11b Part 15 wireless Internet protocol to Part 97 amateur operating.

"We expect it to be nothing less than revolutionary!" says John Champa, K8OCL, who chairs the ARRL HSMM Working Group--a subset of the League's Technology Task Force. The Working Group's new "High-Speed Digital Networks and Multimedia" page <<http://www.arrl.org/hsmm/>> recently premiered on the ARRL Web site.

Champa's team is calling the specific techniques, software and hardware involved "the ARRL 802.11b protocol" to distinguish it from the unlicensed, commercial protocol.

Systems employ direct-sequence spread spectrum techniques and operate in the 2.4 GHz range. The term "Hinternet" (ham + Internet), Champa says, is a user-friendly way to refer to the development of high-speed Radio Local Area Networks (RLANs) capable of simultaneously carrying audio, video and data signals.

"The development of the ARRL 802.11b protocol will significantly enhance Amateur Radio, especially with respect to emergency communication and support of public service activities," Champa predicted. He and his HSMM Working Group colleagues also expect that it will attract many technically oriented users of the Internet and wire less LANs to get their amateur tickets.

In addition to emergency communication, Hinternet applications could include two-way streaming video, full-duplex streaming audio, Voice over Internet Protocol (VoIP) applications such as eQSO, EchoLink, iLink and IRLP, and digital voice. As on the wired Internet, communication can be point-to-point, point-to-multipoint and multicast at high bandwidth.

"An emergency volunteer equipped with a laptop or a wireless PDA (personal digital assistant) with a microphone and a small video camera now has the tools to be a mobile set of eyes and ears in the midst of a communications emergency," says Working Group member Kris Mraz, N5KM.

In Michigan, the Livingston County HSMM Experimenters Team already has three HSMM access points--called

"APs" in the commercial world--and about a dozen stations on the air centered on 2437 MHz. Another group of Amateur Radio 802.11b enthusiasts has recently organized in the San Antonio, Texas, area.

Although other amateur allocations also would be appropriate for Hinternet operation, the use of 2.4 GHz was an easy choice, since Part 15 WiFi (wireless fidelity) devices already operate in that part of the spectrum, and inexpensive commercial equipment is widely available. Acting on an ARRL petition, the FCC has proposed elevating amateurs to primary at 2400 to 2402 MHz.

The ARRL publications catalog now includes the book 802.11 Wireless Networks: The Definitive Guide <<http://www.arrl.org/catalog/?category=&words=802.11>> by Matthew S. Gast. The book covers the topics of creating and administering wireless networks.

Champa says that taken in a nationwide context, the meaning of the term Hinternet goes deeper than just an amalgamation of words. "In nautical terms the word hinterland is 'the land beyond the coast,'" he said. "And so it is with us. 'The Hinternet' is the radio net beyond the Internet."
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
February	15 - 16 ARRL International DX Contest (CW)
March	1 - 2 ARRL International DX Contest (Phone)
June	14 - 16 ARRL June VHF QSO Party



ATLANTIC DIVISION HAMFESTS - 2003

➤ + *indicates ARRL Hamfest*

13 Apr 2003 + Easton ARS Easton, MD <http://www.k3emd.com>

4 May 2003 + Warminster ARC Wrightstown (Bucks County), PA
<http://www.k3dn.org>

CONVENTIONS and CONFERENCES

29-30 Mar 2003 * Maryland State Convention Baltimore ARC
<http://www.gbhc.org> Timonium, MD

25-27 Apr 2003 * SETI League Technical Symposium
The SETI League Trenton, NJ
<http://www.setileague.org/seticon>

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.

General license Classes, January 13, 2003 7:30 PM – 9:00
No-Code Tech Classes, (entry level license) March 10, 2003 7:30 PM – 9:00
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
	220
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

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

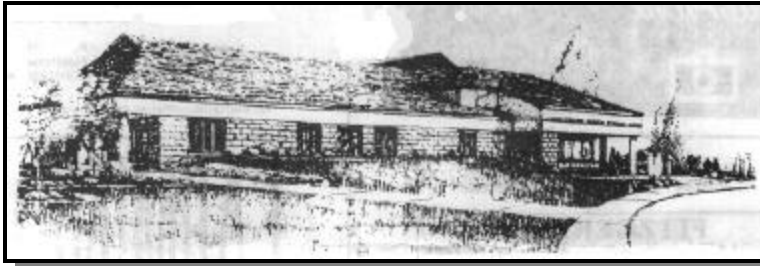
2003 Officers

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 '03	Doc Whitticar	W3GAD	968-0641
Field Day '03 co-chair	Stu Simon	K2QBU	345-9295
Grange Fair '03	Frank O'Neill	N3UQP	699-9549
Grange Fair '03 co-chair	Doug Crompton	WA3DSP	
Hamfest '03	Bill Strunk	K3ZMA	822-0749
January '03 VHF Contest	Joe Bagnick	N3EMA	997-2539
PA QSO Party '03	Jack Jones	W3NTD	
Picnic '03	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
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

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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