



# SIGNAL



de NINC

September 2008 Volume 17 Number 9

## This Month's Meeting

NOTE: The newsletter was printed early due to the printers requirements so it may get to you early.

Next club meeting is Thursday September 18<sup>th</sup>. The speaker will be Dennis K1LGQ.

The road cleanup is Sunday September 21st

Meeting site info and maps on the back page and the NVARC Website.

Wear your badge to the meeting so new members can tell your name and you can introduce your self to them. It may be worth your while.

## Homebrew and Short Subject Meetings

As we kick off the fall meeting schedule think about how you might contribute to one of the above meetings. These two meetings are less formal and their success depends on member participation. What homebrew projects have you finished or are working on that you can show us? We also need three or four short subjects for the January meeting.

## Need a Ride?

Do you need a ride to the club meetings? Do you know someone who does? If you do please contact Bob W1XP 978-448-6559 and leave a message. We'll see that you get to the meeting.

## Winchendon Triathlon

The day after the Alzheimer's Memory Ride some of us headed out to Winchendon to support the Triathlon. This is the second year of this event and it seemed to have grown considerably. The event

consists of swim, bicycle, and running events with no break in between.

We provided communications to assist the coordination of the various set up tasks such as water stations readiness and whether the police are in place. We also provide the organizers with the locations of the lead and end participants in the events.



Courtesy KD1SM

Above the Hoyt's competing in the bicycle phase of the Winchendon Triathlon. The Hoyt's compete in many local events. They have run in the Groton Road Race, the Parker Classic, and the Boston Marathon.

For more information about the Hoyt's incredible accomplishments over the past 25 years see <http://www.teamhoyt.com/history.shtml>

Participants included Ralph KD1SM, Stan KD1LE and Gary K1YTS.

### QSL Card Sorting and Boxes

Two additional sorting boxes are in the works and should be available for the October sort. Thanks to material support from Stan KD1LE, Larry KB1ESR, and Dick W1LTN. Peter N1ZRG, Bob W1XP, and Stan KD1LE spent several Saturday mornings after breakfast cutting wood and assembling the boxes. A few more coats of paint and labeling and they will be ready to go.



Except for the color these boxes are the same size and design as the original boxes. This will give us a total of eight boxes which will support 32 sorters.

I know people joke about how ideas get created and recorded but below are the plans for the sorting boxes. Not the old "back of the envelope" line but the inside of the envelope.



We have arranged with the W1QSL Bureau for the QSL cards for the October meeting pre-sort.

### Longsjo Thanks

To the officers and members of:

- Montachusett Amateur Radio Association
- Nashoba Valley Amateur Radio Club
- Mohawk Amateur Radio Club

From: Ed Collier  
Fitchburg Longsjo, Classic  
Executive Director

Bill Chiarchiaro,  
Fitchburg Longsjo, Classic  
Director of Operations

Subject: 2008 Fitchburg Longsjo Classic Amateur Radio Support

We would like to thank the members of the clubs who provided amateur radio communication support to the 2008 Fitchburg Longsjo Classic bicycle race. Over the many years of participation, this has become an integral part of the Longsjo's operations. It is very reassuring to have this additional conduit of communication. When we directors are trying to quickly get some vital piece of information, the solution is often to "check with the hams." Your competence and diligence in information and message management are truly commendable. We will be hoping for your involvement with next year's 50th anniversary of the Longsjo!

Looking forward to your participation in 2009,  
Ed & Bill

*Ed. Note: each of the 3 Clubs was given a donation on behalf of the Fitchburg Longsjo.*

## PSLIST

Every event needs communications volunteers

Date	Location	Event	Contact	Tel/Email
Sept				
12	Franconia	Reach the Beach	Dave WA1ZCN	
13	Hampton	Reach the Beach	Dave WA1ZCN	
21	Hopkinton	Jimmy Fund Walk	Steve W3EVE	
28	Springfield	American Diabetes Walk	N1QKO	Oct
4	Bristol NH	NH Marathon 10K	Dave KA1VJU	
12	Boston	BAA Half Marathon	WA1IDA	

## Board Meeting

Subjects to be covered at the next Board meeting.

Liability insurance premium

Filter project responses and questions from several people. Updates on Webpage.

Yearbook updates in Fall pending other projects.

September speaker

October meeting QLS sort Bureau contacted and should be set.

November meeting program open

December Homebrew

Road Cleanup needs better turn outs

## Adopt A Highway

Next road cleanup is Sunday, September 21<sup>st</sup>. We need a minimum of six people by MassHighways rules and we need eight to cover our 2 miles in the hour I like to keep it at. Now that summer is over I hope to see higher turnouts. We only have three cleanups left this year so take an hour and help us out.  
Stan

## Treasurers Report

Income for August was \$45 in membership dues and \$51.48 in savings interest. Expenses were \$16.80 for newsletter postage leaving a net income of \$79.68 for the month.

We also received a donation on behalf of the Fitchburg Longsjo Classic as a thank-you for our

support of that event. This has been added to our Community Fund.

Current balances:

General fund	\$4,132.82
Community fund	\$2,449.41

As of 3 September we have 60 members who are current with their dues and 9 renewals outstanding. Please check the member roster that is circulated at the monthly meeting if you do not remember your renewal date. Your membership date also appears on your newsletter mailing label. You can always ask Ralph if you are in doubt.

If you are not yet an ARRL member please consider joining and showing your support for the programs developed by our national organization. If you let me send in your membership then the Club pays for the stamp and receives a portion of your ARRL dues. Bring your check to a Club meeting or to Saturday breakfast payable to NVARC in the amount of your ARRL renewal and Ralph will do the rest.

Ralph KD1SM

## ARRL Letter

### AMATEUR RADIO OPERATORS WERE READY FOR HURRICANE GUSTAV

After several days of harrowing watching and waiting for Hurricane Gustav to make landfall, the storm slammed into southeast Louisiana Monday afternoon, leaving flooding, wind damage and power outages in its wake and evacuees eager to go home. As Amateur Radio operators across the area moved from an emergency response stance to clean-up, evaluation and repair, the need for some changes to operations and equipment became clear, as well as the vastly improved response as compared to Hurricane Katrina. As the storm made its way inland, ARRL Division, Section and public information volunteers in and around the area impacted by the Category 2 hurricane, reported that they were preparing to deploy themselves and other volunteers to strategic locations once conditions allow.

Throughout the week, staff at ARRL headquarters coordinated conference calls between key emergency communications volunteers, Division and Section leadership officials and ARRL HQ in order to facilitate communications among the participants and to respond to any requests for assistance. Dennis Dura, K2DCD, ARRL Emergency Preparedness and Response Manager, commented: "Based on

what we hear and what we receive in the daily situation reports, it will really dictate what kind of response we're going to have. In the beginning of a storm event, we don't have a clear idea of what the needs are. Once those on the scene tell us what they need, we will support them. Requests for emergency communications personnel will come from Section Managers or their designees, and we as an organization will meet those requests. Gustav is different from Katrina in a lot of ways. For one thing, people are much better prepared down there."

On Monday, September 1, Louisiana Section Manager Gary Stratton, K5GLS, told conference call participants that he was expecting to head to the Baton Rouge Red Cross Marshalling Center the next day. He reported that credentialing for ham volunteers who will be sent to locations requesting Amateur Radio support was being handled, and emergency nets were activated. Louisiana Section Emergency Coordinator Jim Coleman, AI5B, expected to head to Baton Rouge Tuesday as well.

Assistant South Texas SM Mike Schwartz, KG5TL, of Muldoon, reported that 4500 New Orleans-area evacuees were relocated to shelters in surrounding counties. He reported that about 20 ham radio operators were ready to travel to where they are needed. "When we find out, we're ready to deploy," he said.

Mississippi SM Malcolm Keown, W5XX, of Vicksburg, expressed concern about the impending effects from Gustav. He said up to 20 inches of rain could fall in central Mississippi, and tornado warnings have been issued.

Southeastern Division Vice Director Sandy Donahue, W4RU, mentioned that numerous Red Cross shelters have been set up in Georgia to handle the needs of evacuees.

Northern Florida Section Manager Paul Eakin, KJ4G, offered the services of four Winlink stations to forward messages from the states more directly affected, as needed.

ARRL Directors Henry Leggette, WD4Q, of the Delta Division, Greg Sarratt, W4OZK, of the Southeastern Division and Coy Day, N5OK, of the West Gulf Division also took part in the September 1 conference call, as did West Gulf Vice Director Dr David Woolweaver, K5RAV, and Delta Vice Director Karl Bullock, WA5TMC.

At Poplarville, Mississippi -- county seat of Pearl River County -- Emergency Operations Center Communications Officer David Moore, N5ELI, said, "We have

some stuff to do, but it's not bad." He noted a defective antenna that was discovered during operations for Gustav, as well as a few operational details that need to be worked out before future events. But, noted ARRL Mississippi Section Public Information Coordinator Larry Wagoner, N5WLW, who manned the Emergency Operations Center in Picayune, Mississippi, essential services were provided in spite of the problems, as contact was maintained with the shelters in the area as well as other individuals and agencies needing assistance.

Harrison County Emergency Coordinator and District Emergency Coordinator for the Gulf Coast District Tom Hammack, W4WLF, echoed that reaction, noting the heavier damage to his coastal community: "The harbors are torn up," he observed, saying that a small tornado had been sighted near the port, which reportedly damaged a few buildings in the area and knocked out power for a time.

"We had communications with the Coast Guard representatives, on 2 meters, as well as marine VHF," Hammack said. "We had hams at other locations as well." He noted that Ed Byrd, KA5VFU, had the radio links to the area hospitals working, too. "In general it went pretty fair," he said. "This was a cakewalk for us compared to Katrina," Hammack noted, adding, "But the farther west went you go, it wasn't any cakewalk at all. Hancock County (located due west of Harrison County) got hit pretty hard."

North of the coast, Tim Purvis, N5UDK, Emergency Coordinator for Stone County and Assistant Emergency Coordinator for the Gulf Coast District noted that one mobile home was destroyed in the storm. "All in all, it went real well," he said. Like the other officials in the area, he said the storm was a learning exercise for the Amateur Radio community. "We need to get our repeater to a higher location and we need to get more people with emergency Yagis." He said in some cases, hams in outlying areas of the county had a hard time making it into the repeater during the storm. "These are people who may have lost or taken down their antennas," he said, "and they were trying to operate on a mag mount on top of a refrigerator from 20 miles away."

One problem noted by several officials in the area was the signal propagation from the Mississippi Emergency Management Agency (MSEMA) office near Jackson. "A new antenna up there would help," said one. "We had a real hard time copying the signal from MSEMA," said another.

Local hams were not the only ones learning lessons from the storm. Purvis noted that while the MSEMA official at the Stone County Emergency operations

Center was familiar with Amateur Radio, the Federal Emergency Management Agency (FEMA) representative did not know anything about ham radio and the service that hams provide before the storm. By the end of operations Tuesday, she had quite an education, Purvis said, noting that she was not only very impressed with what hams can do, but now wants to become licensed as an Amateur Radio operator herself and is very interested in SKYWARN operations. "We have a feather in our cap on that one," Purvis said.

SKYWARN operations went well across the region, as hams from all over the southern Mississippi area called in to report sightings of severe weather and damage from the storm. "Like you (in Pearl River County), we were inundated by warnings and reports," Purvis said, adding, "I just wish we could get all those people to sign in on a regular basis."

Local officials said the area fared much better in Gustav than in 2005's Hurricane Katrina. "Compared to Katrina, we didn't lose any local communications, phone or Internet. In Katrina, they lost everything," said Purvis. "Our major function was communications with the shelters, storm spotting and being on standby for other services," he added.

Stone County had one shelter open, which closed early Tuesday. Those requiring longer stays were transferred to shelters in Picayune and Hattiesburg. The Stone County shelter housed about 50 people at one point. The shelter in Picayune had about 130 people maximum – mostly from Louisiana, where nearby New Orleans and St Tammany Parishes remained closed Tuesday.

By Tuesday morning, crews were out evaluating damage to local power lines, cable TV, phone lines and trees, and hams were getting ready for the next time they are called to serve, keeping a close eye on Hurricane Hanna and Hurricane Ike.

#### **ARRL HAM AID GO KITS SUPPORT AMATEUR RADIO OPERATIONS DURING HURRICANE GUSTAV -- AND BEYOND**

As Amateur Radio operators prepared for Hurricane Gustav, the ARRL deployed complete radio stations comprised of industry-donated Amateur Radio equipment, thanks to the generous contributions of ARRL members to the Ham Aid Fund. Created in 2005 to assist with the response to Hurricane Katrina, the Ham Aid Fund is designated to finance Amateur Radio equipment needed for disaster response. In preparation for Hurricane Gustav, ARRL received requests for radio equipment from Louisi-

ana and Texas. The shipping costs for this equipment were covered by the Ham Aid Fund.

According to Assistant Manager of the ARRL Membership and Volunteer Programs Department Norm Fusaro, W3IZ, several kits were shipped to Louisiana; Fusaro is handling Ham Aid requests during Hurricane Gustav. "We sent three HF kits, 3 VHF/UHF kits and a combination kit complete with HF, VHF and handheld transceivers to the Louisiana Office of Homeland Security and Emergency Preparedness (GOHSEP) facility in Baton Rouge, as well as four VHF/UHF base antennas and a support box that included coax, rope, wire antennas and connectors." Fusaro also said that a 600 W amplifier was sent to Jim Coleman, AI5B, in Bogalusa, Louisiana to be used at the Emergency Operations Center there, and an HF radio was sent to Joel Colman, NO5FD, of New Orleans, replacing his rig that was damaged during set up at the firehouse.

"To me, these Go-Kits ramp up ARRL's ability to support Amateur Radio volunteers in the field when the next big disaster hits," said ARRL Chief Development Officer Mary Hobart, K1MMH. "They won't replace or supplant anything that's already on the ground and working well, but the kits will strengthen it and add flexibility to Amateur Radio's overall response capabilities."

In setting up these Go Kits, League staffers consulted with volunteers who were in the field during Hurricane Katrina to find out what gear served them best or what they wished they'd had but didn't. The Go Kits, stowed in rugged, waterproof Pelican 1650 containers, enable the League to loan out needed equipment on a moment's notice. "The idea is that this makes it easy to ship," explains Fusaro, "and since they're less than 50 pounds apiece, they can be shipped by air."

The HF Kit contains a 100 W HF transceiver, a tuner and antenna, a microphone and a power supply. The VHF/UHF Kit includes a dualband mobile transceiver, power supply, headset, 10 handheld transceivers and a supply of alkaline batteries. In the Handheld Transceiver Kit are eight dualband handheld transceivers and antennas, plus a stock of extra batteries. The Support Kit includes a length of Bury-Flex RG-213 coaxial cable, rope, 15 foot jumper cables with battery clamps at one end and an Anderson Powerpole on the other. The kit includes various fittings and adapters to connect to the power distribution unit and to make RF feed line connections. All kits contain any necessary manuals.

Hobart said it's imperative to sustain and enhance ham radio's emergency communication capabilities

for the future: "Disasters happen to be one place Amateur Radio can shine," she pointed out. "We need to maintain a high level of readiness to do those things that are second nature to ARES members, but that the public is just coming to recognize." Making the Go Kits available to ARES teams, Hobart said, will help to cement Amateur Radio's position as a community resource. "We want to be able to ensure that we have the personnel and the equipment," she said. "With a disaster of any magnitude, we need to be ready."

Since the arrival of Hurricane Gustav, Hobart said that the Ham Aid fund has been depleted. "With more storms on the horizon, the ARRL is seeking member contributions to rebuild the Ham Aid Fund. This vital lifeline of resources to support the ARRL Field Organization and Amateur Radio Volunteers will benefit from the renewed generosity of radio amateurs." Contributions in any amount can be made online  
<<https://www.arrl.org/forms/development/donations/basic/>>.

#### **ARRL SETS UP E-MAIL ADDRESSES FOR USE DURING HURRICANES, TROPICAL STORMS**

In an effort to streamline hurricane support operations at ARRL Headquarters, the League has set up two e-mail addresses for hams to pose questions or relay information to HQ Staff relating to hurricane or named tropical storm events. If you need to communicate with ARRL HQ regarding these storms, please use <[hurricane@arrl.org](mailto:hurricane@arrl.org)> or <[hurricane@arrl.net](mailto:hurricane@arrl.net)>. These e-mail addresses will be monitored during each storm's descent on the US, as well as throughout the hurricane season.

\* MARS Assists with Hurricane H&W Traffic for American Soldiers in Iraq, Afghanistan: Army Captain Jeff Hammer, N9NIC, who represents the Army Military Affiliate Radio System (Army MARS) <<http://www.netcom.army.mil/mars/>> in Iraq, has appealed to the families of troops deployed overseas that have been affected by the recent tropical storms and hurricanes to let their loved ones know all is well at home. "There are a lot of soldiers from the Gulf States here in Iraq," Hammer said, "and their families may be impacted by the hurricanes and not have a way to communicate with their soldier to let them know their status in the coming week(s). If you are unable to deliver hurricane-related Health and Welfare messages from a family member to a service member in Iraq due to lack of communication assets or insufficient address information, send them directly through an Amateur Radio operator or Military Affiliate Radio System (MARS) operator <[AEN5NAA@winlink.org](mailto:AEN5NAA@winlink.org)>. MARS operators cur-

rently deployed in Iraq will do their best to get all messages delivered immediately." Hammer said that Army MARS also can handle messages to service members in Afghanistan, but delivery may be delayed. Direct entry of MARSgrams is available via the MARSgram Web site <<http://www.mymars.org/>>. The site provides full instructions and a message form that will be transmitted automatically via the Army MARS system.

#### **EDUCATORS GO "BACK TO SCHOOL" AT ARRL'S TEACHERS INSTITUTES**

During a record six ARRL Teachers Institutes this summer -- Tampa, Florida; Rocklin, California; Tucson, Arizona; Dayton, Ohio, as well as two sessions at ARRL HQ in Connecticut -- instructors and participants found new ways to bring the excitement of wireless technology to classrooms across the country <<http://www.arrl.org/FandES/tbp/ti.html>>.

The ARRL Teachers Institute is a four day, in-service training opportunity for teachers to learn about wireless technology, including the science of radio, space technology, microcontrollers and basic robotics. It focuses on how to integrate these vital technologies into their regular classrooms. For the first time, the number of Teachers Institutes offered was expanded from four to six sessions that included 77 participants from 29 states. To help out with the expanded course load and number of sessions, two additional instructors were brought on board: Miguel Enriquez, KD7RPP, and Nathan McCray, K9CPO. According to Education and Technology Program Coordinator Mark Spencer, WA8SME, "These new instructors will allow the program to continue to expand in coming years. They also bring new perspectives and talent to the instructional staff."

Enriquez was first licensed as a Novice in 1976 and learned about electronics by building a Heathkit; he upgraded to an Amateur Extra class license in 2002. He teaches mathematics, statistics and psychology at Pueblo High School in Tucson, Arizona, and has 10 years of experience teaching at the community college and university levels. In 2005, Enriquez established an Amateur Radio club at Pueblo High School. Through donations of equipment and support from individuals and the ARRL, the club grew to 26 members and five licensed students exploring satellite communications, ATV, robotics, HF, Echo-Link and weather satellite imagery.

McCray, a former sixth grade teacher in Zion, Illinois, starts the 2008 academic year as an assistant principal at West Elementary School in the same town. As a teacher, he integrated Amateur Radio, electronics and robotics into his science and math curricu-

lum. He plans to start an Amateur Radio club in his new school and is looking forward to developing clubs in his district's junior high and high school. McCray's knowledge areas include electronics, computer programming, communications, Amateur Radio, computer systems, leadership and teaching; his background includes instruction at the community college level, as well experience as a senior instructor at a US Navy technical school. McCray has been licensed for 24 years and holds an Amateur Extra class license.

The teachers who participated in this year's Teachers Institutes came from very diverse backgrounds: 63 percent were hams. The gender mix included 64 percent males and 36 percent females. The participants came from schools across the grade levels: 17 percent were elementary, 39 percent middle school/junior high, 40 percent high school and 4 percent university level instructors. During the Institutes, 10 participants studied for and obtained either their first ham license or upgraded their existing ham tickets.

Spencer said that the Teachers Institute curriculum is always being refined and improved: "This year, a new robotics instructor's activity board was added to the robotics unit, and a 24-hour clock kit was added to the Soldering 101 unit. We also added a new, more flexible seismometer that can be used not only to study earthquakes, but also to control the movements of the robot the participants build during the class. This component was added to connect the Science of Radio unit to the Robotics unit. A radio telescope and a sudden ionospheric disturbance (SID) exploration resource were also added, expanding the Space Technology unit. The 24-hour clock kit was a very popular 'homework' assignment that was completed during the first day of the Institute."

Funding for the ARRL Teachers Institutes for Wireless Technology and for the ham radio station grants for schools are supported solely by contributions from ARRL members and others in the Amateur Radio community. According to ARRL Chief Development Officer Mary Hobart, K1MMH, in 2008 the educational mission of ARRL has expanded to provide additional support for volunteer instructors and the development of additional online courses, as well as curricula and tools for teachers. "If you are one of the thousands of hams who has helped ARRL expand its education horizons, thank you!" Hobart said. "You may wish to make your contribution to ensure a bright future for the next generation of radio amateurs. Please do so by phone or mail to ARRL Headquarters, or on the Web <<http://www.arrl.org/education>>. Your generosity will make a big difference."

## **ARRL'S "BIG PROJECT" MAKES A BIG IMPACT ON YOUTH**

Since 2001 when the Education & Technology Program -- also known as the "Big Project" -- started, ARRL has expanded the scope of its educational outreach programs by providing grants of station equipment and instructional resources for professional development to more than 300 schools (with more schools added each year) <<http://www.arrl.org/FandES/tbp/>>. The Education & Technology Program has expanded the highly successful teacher development program in electronics, robotics and space -- the Teachers Institute on Wireless Technology <<http://www.arrl.org/FandES/tbp/ti.html>>.

From humble beginnings in 2003, a single gathering of 12 educators came together at ARRL Headquarters to become the Teachers Institute, with the goal to promote wireless technology literacy. Since then, the Teachers Institute has provided teachers from elementary schools to the university level with the basic tools and teaching strategies to introduce the science of radio, space technology, weather, micro-controller basics and robotics in their classrooms. In 2008, the Teachers Institute program has expanded to six four-day sessions that now include ATV and radio astronomy, more hands-on instruction of project kits -- such as a seismometer, a 24-hour clock and A BOT Instructor's Board -- to enhance the teachers' ability to instruct basic robotics, a fox-hunt activity and satellite contacts.

Each year, the League receives gratifying reports from the schools that participate in the Education & Technology Program. The schools tell us that the resources we offer are bearing fruit -- both in terms of licensing students and teachers and engaging them in wireless technology, both in the classroom and in after-school activities.

"The Education & Technology Program is truly one of ARRL's most significant projects," said ARRL Chief Development Officer Mary Hobart, K1MMH. "The contributions of ARRL members make a direct connection to teachers and their students, opening the door to Amateur Radio and other exciting areas of science."

## **THE ARRL VC AND VCE PROGRAMS: HAMS HELPING HAMS**

Invariably, when an amateur wants to erect a tower and more antennas, there will be questions about zoning and building ordinances. According to ARRL Regulatory Branch Manager Dan Henderson, N1ND,

some questions are simple, while others may lead to a long battle with town officials. "Rule number one in any of these cases," Henderson said, "is to make sure you know the legal landscape you are facing before you start any project."

Henderson said there are many tools to assist amateurs in navigating the perils of zoning and restrictions: "Among the most important resources are fellow amateurs who have stepped forward to serve as either an ARRL Volunteer Counsel (VC) or an ARRL Volunteer Consulting Engineer (VCE)."

ARRL VCs are fellow amateurs who are attorneys. They have agreed to provide a free initial consultation to hams facing town zoning issues related to the erection of Amateur Radio towers and antennas. ARRL VCEs are registered Professional Engineers (PE) who have likewise agreed to give hams an initial consultation when facing antenna support installation issues required by the town.

Henderson notes that VCs and VCEs provide their initial consult for free: "If you do need to retain them further to help you navigate through the 'red tape,' you need to be prepared to pay them for their professional services, though many VCs and VCEs do provide discounted rates if they assist long term."

The role of the VC and VCE is to assist amateurs with antenna and zoning issues, but Henderson said that some provide advice on other topics, such as helping a club through the process of incorporating, or a VCE serving as an expert witness before a town zoning meeting. "When facing an antenna fight, remember that VCs and VCEs -- along with other resources -- are there to assist you, but their role is secondary to yours," Henderson advised. "The amateur seeking to erect the tower has to take the lead, making sure that all required information from the town is provided promptly and as required. This includes bearing any costs associated with the permitting process or legal fees. If you follow the steps required by the city or town, and you don't take any shortcuts and are reasonable in your approach, you should end up prevailing in the end."

The ARRL is looking for qualified and interested attorneys and registered Professional Engineers to step forward to serve as VCs and VCEs. "There is no better time to consider serving in these important but unsung volunteer positions than now," Henderson said. Right now, the ARRL has VCs in only 44 states and VCEs in 33 states. Applications for VCs <[http://www.arrl.org/FandES/field/regulations/local/vc\\_app.html](http://www.arrl.org/FandES/field/regulations/local/vc_app.html)> and VCEs [http://www.arrl.org/FandES/field/regulations/local/vce\\_app.html](http://www.arrl.org/FandES/field/regulations/local/vce_app.html) can be found online on the ARRL Web site.

For more information on how you can assist as a VC or VCE, contact Henderson via e-mail <n1nd@arrl.org>.

If you need the services of a VC or VCE to help with your zoning problem, contact the Regulatory Information desk via e-mail <reginfo@arrl.org>. "We are happy to help you sort through the first steps or try to hook you up with a nearby VC or VCE. The ARRL VC/VCE programs are here to serve you, but we need your help."

### NVARC Club Net

Topics discussed on the Club net recently; emergency communications preparedness and activities at NMAEPC. Alzheimer's Memory Ride, Road Cleanup, Field Day wrap up and suggestions, WL2K setup problems.

Recent participants include Leo K1LK, Bob W1XP, Larry KB1ESR, Skip K1NKR, Stan KD1LE, Richard W1LTN, Den KD2S.

The net is a good place to bring information for the club and get questions answered. The net meets at 8:00 PM Monday evenings on the 442.900 N1MNX repeater.

### 2008 Flea Markets

September  
14 W CT Newtown Ct  
20 RI Fall Flea and Auction Forestdale RI  
21 MIT  
October  
10-11 Nearfest Deerfield NH  
12 CT State Convention, Wallingford CT  
19 MIT  
November  
8 Falmouth ARA Bourne MA

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Tell them you saw it in the Signal. Advertisers should contact the NVARC Treasurer for information.

## Contest, DXpeditions and Special Events

The information for a DXpedition can be quite detailed and may include bands, dates, number of stations, and times of day they plan to work certain continents so I can not list it all here. But if a country or prefix is of interest you can get more information at [www.425dxn.org](http://www.425dxn.org).

### **Contests 2008**

#### **OCT 6**

Logbook of the World Contest, Ph 0000Z-2359Z  
Oceania DX Contest, Phone 0800Z, to 0800Z, Oct 7  
RSGB 21/28 MHz Contest 0700Z-1900Z, Oct 7

#### **13**

Logbook of the World Contest, CW 0000Z-2359Z

### **DX Stations**

BT10B, H, J, N, Y Special event Beijing till 9/17



## **Nashoba Valley Amateur Radio Club**

PO Box # 900  
Pepperell Mass 01463-0900

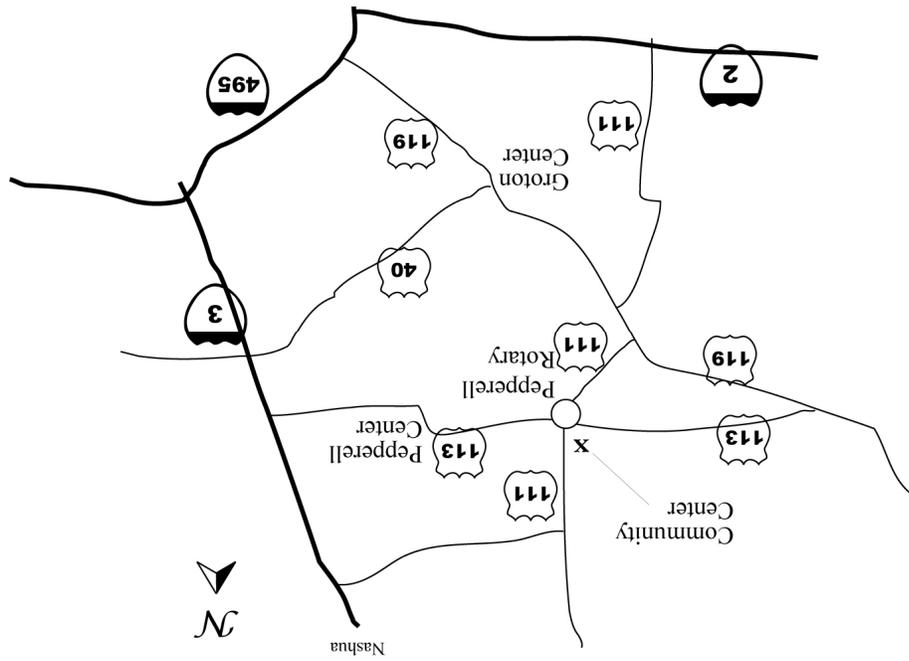
<http://www.n1nc.org/>

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Treasurer: Ralph Swick KD1SM  
Board Members:  
Joel Magid W1JMM 2006-2009  
Bob Reif: W1XP 2007-2010  
Skip Youngberg K1NKR 2008-2011

Editor: Stan Pozerski KD1LE  
Emergency Coordinator: Larry Swezey KB1ESR  
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Meetings are held on the 3rd Thursday of the month  
7:30 p.m. - Pepperell Community Ctr.  
Talk-in 146.490 simplex  
442.900 + 100Hz Repeater  
147.345 + 100 Hz Repeater  
53.890 - 100Hz Repeater

This newsletter is published monthly. Submissions, corrections and inquiries should be directed to the newsletter editor. Articles and graphics in most IBM-PC formats are OK.

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**Nashoba Valley Amateur Radio Club**

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