



# SIGNAL



de NINC

June 2010 Volume 19 Number 6

## This Month's Meeting

This month's meeting is Thursday June 17<sup>th</sup> at 7:30

**Note that due to a Middle School activity at the Community Center we will be meeting at the Pepperell Library.**

## From The President

Field Day is almost upon us. Roland NR1G is leading the operation. I hope everyone will give him a hand on some part and if you can come out and operate.

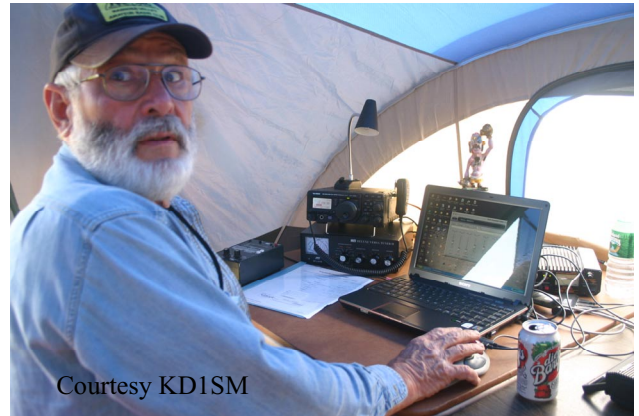
This month's meeting is our last regular meeting until fall. I hope everyone has a safe and enjoyable summer and we hope to see everyone back in September.

Stan KD1LE

Just a couple of pictures from field days past.



Courtesy KD1SM



Courtesy KD1SM



Courtesy KD1SM

## Last Month's Meeting

Last month's meeting program was on Software Defined Radio by Skip K1NKR. It was a great presentation but done in subdued lighting. So, I'm sorry, but no pictures.

In attendance

Bruce K1BG, Skip K1NKR, Gary K1YTS, Phil KB1JKL, Stan KD1LE, John KK1X, Les N1SV, Peter N1ZRG, Roland NR1G, Erik W1ZBT, Earl WR1Y, Jim N8VIM, Rod WA1TAC, Wolf KA1VOU, Drew W1PCQ, Walter K1CWF, Paul NW1U, Jim, K1PTF, George KB1HFT

## Parker Road Race



George KB1HFT (L), Gary K1YTS (LC), and Stan KD1LE (R) get their assignments for the Parker Classic Race from John KK1X (C)



The entire staff for the Parker Classic Race (L-R) Nancy KB1KEF, Gary K1YTS, Bob AB1CV, Larry KB1ESR, George KB1HFT, Stan KD1LE, Tom K1JHC, John KK1X, Ken K1JKR, Charlie KT1I

The weather was fine and the events went off as planned. We were all treated to a hamburger lunch afterwards.

## NVARC Field Day 2010

Location: Heald Street Orchard, Pepperell, MA

Lat, Long: 42.67, -71.6275,

Entrance Lat, Long: 42.6715, -71.6282

Date: June 26 & 27

Operating: 3A.

Setup: Starting at 6:00 ET Saturday

Operations starting at 14:00 ET.

Hope you all can join us at this year's field day: Some statistics so far. 25 people have committed to various roles in helping with field day. We will have four working stations (CW, Phone, Digital, and VHF/UHF/Satellite) and APRS Weather station, Alternative Power (Solar charged deep cell battery) and we will attempt and Ethernet Bridge to bring Internet access to the site. There will be an on-site Amateur Radio information tent. 20 invitations went out to the various elected officials in the four town region. Invitations have also been sent to many Boy and Girl scout troops in the four town area. We have contacted the various cable stations, and local town web-site.

As Field Day Coordinator this year I have tried to increase the publicity of the event and have also strived to involve as many NVARC members as possible. That is the main reason for the four stations demonstrating the main emergency radio communications capabilities at the disposal of Amateurs. Bring your friends, neighbors, and relatives to what should be a fun event.

You should contact the various Captains and Coordinators if you are interested in helping out with setup, planning, operation, or takedown. Food donations should be coordinated through the meal coordinators first and then through me if necessary.

Some interesting links:

NVARC Site: <http://www.n1nc.org/Events/>

Field Day Info: <http://www.arrl.org/field-day>

Field Day Info:  
[http://en.wikipedia.org/wiki/Field\\_Day\\_\(amateur\\_radio\)](http://en.wikipedia.org/wiki/Field_Day_(amateur_radio))

Site Locator: <http://www.arrl.org/field-day-locator>

Site Locator: [http://fd.ema.arrl.org/fd\\_dir.php](http://fd.ema.arrl.org/fd_dir.php)

Field Day Coordinator (this is who you complain to):  
Roland (NR1G)

Field Day PIO  
Dave Peabody N1MNX

**Station Captains:**

CW (Phone capable) Station: Stan (KD1LE) and Bob (W1XP)  
Phone (CW capable) Station: Bruce Blain (K1BG), could use a co-captain  
Digital (CW/Phone Capable) Station: George (KB1HFT) and Larry (KB1ESR)  
Free VHF/UHF/Satellite Station: Skip (K1NKR), could use a co-captain

**Antenna Coordination:**

Stan (KD1LE) and Bob (W1XP)

**Infrastructure Captain:**

Main Generator, Power Distribution, Networking: Jim (N8VIM)  
Computer Logging: Bruce (K1BG)  
Additional Backup Generator: Larry

**Meal Coordinators:**

Saturday Lunch: Lynda (N1PBL)  
Saturday Dinner: Karen (KA1JVU)  
Sunday Breakfast: Larry (KB1ESR) and Cindy

**Facilities:**

Gary (K1YTS)

**Info Station:**

Roland (NR1G)

**NVARC Slow Speed CW Net**

The NVARC Slow Speed CW Net meets Tuesday and Thursday evenings at 7:30 on 28.123 MHz.

After the net concludes the net moves to 28.423 USB to discuss the evenings net, answer questions, and take comments.

If anyone is interested in participating there is a handout which may help you understand and follow the net.

If you are not sure enough with sending and receiving the code to check in you can still listen in and participate in the phone session afterwards.

Recent participants Rich KB1SNB (Lowell), Jim N8VIM, Peter N1ZRG, John KK1X, George KB1HFT, Bob W1XP, Roland NR1G, Skip K1NKR. Bruce K1BG and Stan KD1LE have been net control stations.

**NVARC Net**

The NVARC net meets on 442.900 N1MNX repeater Mondays at 8:00 PM. The net is for sharing information and asking questions.

Recent topics software defined radios, upcoming events, Field Day Plans,

Recent check ins Jim N8VIM, Les N1SV, Stan KD1LE, Gary K1YTS, Skip K1NKR, Dick W1LTN, Bob W1XP and Roland NR1G.

**PSLIST**

Every event needs communications volunteers

- Longsjo Classic - 2-5 July
- Memory Ride for Alzheimer's Research - 24 July

See [www.n1nc.org/Events](http://www.n1nc.org/Events) for the latest information

**Board Meeting**

John submitted to the ARRL to renew our ARRL affiliation. We still hold Special Service Club status

Ralph submitted the treasurers report which will be posted in the newsletter.

Ralph submitted a proposed Field Day budget based on prior years expenses.

John discussed the Parker Road Race wrap up.

John sent out letters to Dr Breen for use of his parking lot for the NCS set up for the Groton Road Race and Bob Jack N1OFX for the equipment he donated that we auctioned.

The Board voted to approve Ralphs proposed Field Day budget of \$620. The proposal will be taken to the club meeting due to amount.

Discussion of upcoming meeting presentations. Skip K1NKR is going to take the responsibility for meeting programs.

It was suggested that we have a brief presentation explaining what we are doing prior to the next card sort.

Discussed the slow speed CW net operation which has been going very well thanks to Bruce K1BG. One reminder. When you check in you should transmit at a speed appropriate to all the other participants. In other words, slow. Ralph will put the documents up on the club webpage.

Bruce offered the tower for use at Boxboro for the special event station but there has been no confirmed interest and it may be too late to plan for setting it up.

Bruce wondered if we wanted to do something as a club at/for Boxboro which is coming August 27-29.

Bruce K1BG will look for a volunteer to host the club cookout.

Ralph managing Longjo which is the weekend after field day and the Alzheimer Memory Ride July 24th

Pumpkin cake was served.

In attendance were Stan KD1LE, Bruce K1BG, Skip K1NKR, Larry KB1ESR, John KK1X.

### Adopt A Highway

The May road clean up took place on May 22nd. We had to move from Sunday to Saturday due to the Parker Race. But we had a great turn out right after breakfast.

The following members helped make the clean up a success (left to right, below, and behind):

Roland NR1G, Larry KB1ESR, John KK1X, Bruce K1BG, Stan KD1LE, George KB1HFT, Les N1SV, Ralph KD1SM



Courtesy KD1SM

The next road clean up will be Sunday June 20<sup>th</sup> at 8:00 AM

### Treasurers Report

Income for May was \$50 in membership renewals and one new membership, \$2 from ARRL renewal commissions, and \$19.81 in bank interest.

Expenses were \$17.60 for newsletter postage leaving a net income of \$54.21 the month.

An additional \$545 was collected from proceeds of auctioning N1OFX's equipment donation. This was added to the Community Fund.

Current balances:

General fund	\$4,394.23
Community fund	\$4,316.41

As of 3 June we have 46 members who are current with their dues and 22 renewals outstanding. Please check your renewal status on the roster circulated at the monthly meeting or ask Ralph.

If your ARRL membership is ready for renewal, you can let Ralph mail it in for you and the Club will get a commission. If you're interested in joining the ARRL and do so through Ralph the Club will get a bigger commission. ARRL membership checks should be made payable to NVARC so that our commission can be deducted before we forward your membership to Newington.

Ralph KD1SM

### ARRL Letter

#### Forecasters are calling for a busy hurricane system this season

The Atlantic hurricane season could be the busiest since 2005, when Katrina and Rita caused massive destruction along the same part of the Gulf Coast now struggling with the largest offshore oil spill in US history, government scientists with the National Oceanic and Atmospheric Administration (NOAA) said last week. According to NOAA's predictions, the 2010 season may spawn as many as 23 named tropical storms, including up to seven major hurricanes. The Atlantic hurricane season began Tuesday, June 1 and runs through November 30.

"This year's hurricane season is forecasted to be a busy one, with a strong chance of a major hurricane making landfall in the US," said ARRL Emergency Preparedness and Response Manager Mike Corey, W5MPC. "I would encourage all amateurs in hurri-

cane-prone areas to take part in any planning, drills or exercises, have your go-kits in order, review your local plans, make sure your home and family are safe and be ready if called upon. We here at ARRL Headquarters are already making plans to assist amateurs in the field if and when needed this season."

### **On the Air: Join the Fun on VHF in the ARRL VHF QSO Party**

Malcolm Scrimger, VE7DAO, of Victoria, British Columbia, activated Special Event Station VE7IYOA from Mt Tolmie for the 2009 ARRL June VHF QSO Party. The station, to commemorate the International Year of Astronomy, intrigued many visitors to the park, giving Scrimger opportunity to explain not only how astronomy has evolved over 400 years, but the Amateur Radio Service.

Lots of RF will be generated on 6 meters and up the weekend of June 12-13 during the 2010 ARRL VHF QSO Party. While many amateurs think of the VHF+ bands as a "local" band for public service, emergency communications or even a bit of fun on FM repeaters, weak-signal VHF+ enthusiasts know better. Even with a modest station, it's possible to work hundreds, or even thousands of miles, on the VHF bands during a good opening.

ARRL Contest Branch Manager Sean Kutzko, KX9X, is a big VHF enthusiast himself. "In more than 25 years of Amateur Radio, weak-signal work on 6 and 2 meters remains the most fun and intriguing activity I do. There is nothing like a good VHF opening; with interesting propagation characteristics like Sporadic-E, tropospheric ducting, aurora and even meteor scatter and moonbounce, VHF offers QSO opportunities that HF can never satisfy." The ARRL June VHF QSO Party runs from 1800 UTC Saturday, June 12 through 0300 UTC Monday, June 14 (Saturday afternoon to Sunday evening for most of the US and Canada). Complete rules and entry forms may be found on the ARRL Web site.

### **Amateur Radio in Space: Australia Students Celebrate WIA Centenary with ARISS QSO**

Students from the Trinity Christian School at Wannassa in the Australian Capital Territory made history on May 29 with the first Amateur Radio on the International Space Station (ARISS) contact to be held in Canberra. The event was part of the Wireless Institute of Australia (WIA) Centenary Dinner on May 29. More than 200 people attended the event, including international guests IARU President Tim Ellam, VE6SH/G4HUA, and ARRL International Vice Presi-

dent Jay Bellows, K0QB, as well as prominent Australians such as IARU Region 3 Chairman Michael Owen, VK3KI, Australian Communications and Media Authority Chairman Chris Chapman and WIA Centenary Patron Dick Smith, VK2DIK. The principal of Trinity Christian School is Carl Palmer, VK2TP/VK1TP.

### **International Perspective: 2010 IARU Eyeball QSO Contest Results**

At the 2010 Dayton Hamvention®, the International Amateur Radio Union (IARU) and the ARRL sponsored a game that involved searching for hams visiting from outside the USA. According to ARRL Membership and Volunteer Programs Manager Dave Patton, NN1N, the idea was to obtain calls and names from as many different DXCC entities (from outside the USA) as possible by making "eyeball QSOs" during the Hamvention.

"No one knew exactly what to expect," Patton said, "as there hadn't been a formal list of attendees from outside the USA in the recent past. But amazingly, there were at least 138 hams from 48 DXCC entities -- not including all the DXpeditioners who signed with their DXpedition calls -- appearing on the eyeball QSO cards that were turned in to IARU officials at the end of the event to the IARU staff." As for the winners, Patton said that "everyone was a winner through the interaction with all the international guests, and the Top 10 will receive gift certificates from the ARRL."

The Top 10 winners -- including a tie for first place -- were (with number of international "eyeball QSOs" following their call sign): Margreet Blondeel Timmerman, K2XYL (24); Frank Butler, W4RH (24); Lewis Ankerbrand, W3GHU (19); Steve Gocala, KB8VAO (18); Allen Olender, WA8IWK (14); Stan Arnett, AC8W (14); Judy Attaya-Harris, KB1SRO (12); Coy Day, N5OK (12); Preben Mailand Christensen, OZ1HHH (10); Ed Moyer, AB3AH (9), and Ken Lowry, W8ND (6).

### **Needed to Assist Japanese Amateur Interplanetary Satellite**

An informal network of ham radio experimenters, scientists and CW enthusiasts called FlyVenusCom -- a nonprofit, cross-cultural effort -- has been created to support communication efforts by Japanese scientists with its CubeSat Venus probe, UNITEC-1. This CubeSat was developed by 20 universities of the University Space Engineering Consortium (UNISEC), the Japanese community developing nano-satellites. The

Japanese UNITEC-1 team has called for ham radio assistance worldwide in improving and testing two areas of the CubeSat's mission. What makes this mission of particular interest to amateurs is the fact that the UNITEC engineers have added a 5 GHz Amateur Radio beacon to the spacecraft and they are encouraging hams to attempt to receive it. On May 21, Japanese ground stations reported receiving the CW and FSK beacons (call sign JQ1ZUN) at a distance of about 30,000 km. They measured the beacon frequency at 5839.91 MHz. Even though the latest reports say that the signal has been lost, the UNITEC team is trying to re-establish contact with the satellite.

### **ARRL Publications: Two New Books Available from ARRL**

Just as many vendors release new products at the Dayton Hamvention, the ARRL will debut much-anticipated publications. This year was no exception. Two new books -- Remote Operating for Amateur Radio and the third edition of The ARRL RFI Book -- were introduced.

Remote Operating for Amateur Radio shows amateurs how to assemble their own Internet-controlled stations. As many hams are discovering, it has become increasingly difficult to enjoy Amateur Radio at home. Some have been driven off the air altogether by antenna restrictions, local interference and other limiting factors. But the widespread availability of high-speed Internet offers a powerful solution: Amateurs can now setup a complete station at a remote location and operate via the Internet, just as though they are actually sitting in front of the radio. That radio could be just across town or 2000 miles away.

ARRL's team of experts has compiled the best advice available on every type of radio frequency interference (RFI) in this brand new edition of The ARRL RFI Book. From automotive to television, from computers to DVD players, from audio equipment to telephones, amateurs will find a step-by-step process for eliminating problematic interference in one convenient book. The third edition of The ARRL RFI Book also includes resources for addressing new realities of digital cable TV and satellite systems, over-the-air TV signals and troubleshooting, as well as hybrid and all-electric automobiles. For more information on these two new exciting publications, including how to get your own copy, [click here](#).

+ International Perspective: Order Your IRCs Online at USPS Web Site

Many hams have long complained about difficulties they have encountered when purchasing International Reply Coupons (IRCs) from their local post offices. Now the US Postal Service (USPS) has

made it easier to get those IRCs to send with your direct QSL cards -- order them online from the USPS Web site. The USPS ships all in-stock domestic orders for stamps and retail items within 1 business day via Priority Mail with Delivery Confirmation or First Class Mail. Shipments should arrive within 3-5 business days. All stamp orders are charged a \$1 handling fee, regardless of the order amount. IRCs purchased from the USPS, whether online or in person at a post office, cost \$2.10 each.

### **Public Service: Amateur Radio Operators "Stand Down" from Chinese Earthquake Relief**

The earthquake that struck China's Qinghai province on April 14 killed more than 2000 people and left thousands injured and homeless. According to Fan Bin, BA1RB, of the Chinese Radio Sports Association (CRSA), relief efforts are continuing for those left homeless. Amateur radio operators from Beijing, Sichuan, Shandong, Anhui, Qinghai and Jiangsu were widely involved in the disaster relief actions, traveling to the disaster center. Working through the poor weather conditions, they helped with transportation of medicines, tents, food and clothes to the disaster area. The Amateur Radio operators were even directly involved in disaster rescue activities -- one Beijing Amateur Radio rescue team saved six people.

### **FCC News: FCC Seeks Comments on Newly Proposed Rules for Amateur Radio Operators Using Spread Spectrum Communications**

In March, the FCC released a Notice of Proposed Rulemaking (NPRM) that proposed to amend Part 97 to facilitate the use of spread spectrum communications technologies by eliminating the requirement that amateur stations use automatic power control (APC) to reduce transmitter power when the station transmits a spread spectrum (SS) emission, and reducing the maximum transmitter power output when transmitting a SS emission (WT Docket No 10-62). On May 14, a summary of the NPRM and the Order was published in the Federal Register; the FCC is seeking comments on the NPRM. Comments must be filed on or before June 14, 2010 (30 days after publication in the Federal Register); reply comments must be filed on or before June 28, 2010 (45 days after publication in the Federal Register). Instructions on how to file comments are listed beginning on page 5 of the NPRM.

The Commission also attached an Order to the NPRM that makes certain non-substantive revisions to Part 97. According to the FCC, the rules are necessary to amend the Amateur Service rules or conform them to

prior Commission decisions, enhancing the usefulness of the Amateur Service rules by making them conform with other Commission rules, thereby eliminating licensee confusion when applying the rules to Amateur Service operations. According to the Federal Register, the new rules take effect July 13, 2010.

### **CQ Announces 2010 Hall of Fame Inductees**

On May 14, CQ magazine announced its 2010 Hall of Fame inductees, welcoming 15 new members into the CQ Amateur Radio Hall of Fame and two new members each into the CQ DX Hall of Fame and the CQ Contest Hall of Fame. The CQ Amateur Radio Hall of Fame honors those individuals -- whether licensed hams or not -- who have made significant contributions to Amateur Radio, as well as those amateurs who have made significant contributions either to Amateur Radio, to their professional careers or to some other aspect of life on our planet. The CQ Contest and DX Halls of Fame honor those amateurs who not only excel in personal performance in these major areas of Amateur Radio, but who also "give back" to the hobby in outstanding ways.

### **2010 Flea Markets/Conventions**

June

12 Windsor CT Flea market  
12 Rochester NH Flea market  
19 Newington CT Flea market

August

27-29 ARRL NE Convention, Boxborough

### **Advertisements**

Your advertisement could be here.

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

### **Upcoming Operating Events**

June

12-14 ARRL June VHF QSO Party  
19 Kids Day  
26 ARRL Field Day

July

10-11 IARU HF World Championships

For further info on these and other contests refer to;  
<http://www.hornucopia.com/contestcal/index.html>.



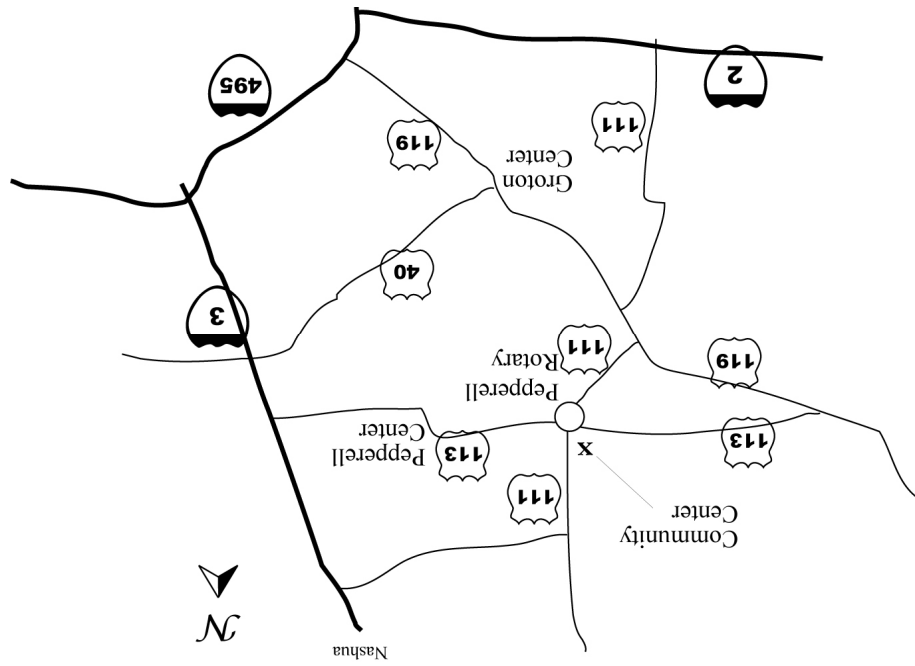
## **Nashoba Valley Amateur Radio Club**

PO Box # 900  
Pepperell Mass 01463-0900

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

President: Stan Pozerski KD1LE  
Vice President: Bruce Blain K1BG  
Secretary: John Griswold KK1X  
Treasurer: Ralph Swick KD1SM  
Board Members:  
Skip Youngberg K1NKR 2008-2011  
Joel Magid W1JMM 2009-2012  
Bob Reif: W1XP 2010-2013

Editor: Stan Pozerski KD1LE  
Emergency Coordinator: Larry Swezey KB1ESR  
Photographer: Ralph Swick KD1SM  
PIO: Dave Peabody N1MNX  
Librarian: Peter Nordberg N1ZRG  
Property Master: John Griswold KK1X  
N1NC Trustee: Bruce Blain K1BG  
Annual membership dues are \$15; \$20 for a family  
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 battery power  
147.345 + 100 Hz Repeater  
53.890 - 100Hz Repeater battery power  
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.  
Copyright 2010 NVARC



**Nashoba Valley Amateur Radio Club**

*PO Box 900*

*Pepperell, MA 01463-0900*

