



# SIGNAL



de N1NC

July 2015 Volume 24 Number 7

## This Month's Program

No regular meeting in July or August

## NVARC Picnic

QST QST QST

Gene, WW4EN, has agreed to host this year's picnic.

The 2015 NVARC Picnic will be held on Sunday, 2 August, from 2-5pm.

QTH is 144 Tyler Road, Townsend MA 01469. Gene describes his QTH as "deep in the woods". Please refer to <http://novabarn.encoip.com/qth.html> so there are no surprises on the 2nd. It's a long driveway off of Tyler Road just west of South Row Road. That said, don't hesitate to come--visiting any ideal ham location is worth the trip. Enjoying the company of other NVARC members ain't too bad, either.

As for all previous NVARC picnics, attendees bring their own food—meat for yourself and maybe something like salad/chips/dessert to share. Gene has no grill so if someone has something transportable, please bring it (and anything needed for operations) along - otherwise there will be a bunch of raw meat.

Gene will provide soft drinks, beer, condiments, and paper goods and is looking forward to seeing you.

Don't hesitate to bring along the XYL, spouse, or SO.

Don't forget: Sunday, 2 August, from 2-5pm at 144 Tyler Road, Townsend MA 01469.

## Last Month's Meeting

Last month's meeting presentation was by Gene WW4EN on software used by radio stations to schedule programming such as music and commercials. It covered how hardware such as the Raspberry Pi is incorporated into the systems to provide the local control and backup functions.



Gene WW4EN presenting on software and hardware used by radio stations at the June meeting.

Attendees: Jim AB1WQ, Bill AB1XB, Bruce K1BG, Doug K1DG, John K1JEB, Dennis K1LGQ, Skip K1NKR, Bill K1NS, Peter K1LPH, Ken KB1UVP, Greg KB1WAQ, Stan KD1LE, Ralph KD1SM, John KK1X, Dan KW2T, Les N1SV, Jim N8VIM, Peter N1ZRG, Paul NW1U, George W1JXR, Bob W1XP, Chuck WA1RCH, Rod WA1TAC, Gene WW4EN

## Ride to End Alzheimer's

Public Service Event 18-July:

The Massachusetts/New Hampshire Chapter of the Alzheimer's Association holds an annual fund raising "Ride to End Alzheimer's". Since 2008 the Ride has

been in our region; starting and ending at Devens and traversing southward to Clinton and northward into Hollis and Nashua.

This event has been one of NVARC's major Public Service activities; several hundred bike riders and their families participate. Amateur Radio's presence at the event provides logistics support and health and safety community as well as giving us the opportunity to show the riders how Amateur Radio contributes to our communities.

Amateur Radio operators are stationed at several "pit stop" along the course where riders are able to get refreshment and replenishment for themselves and for their bikes as needed. We also ride along in the several support vehicles that follow groups of riders with replacement tires and provide transportation to a pit stop if necessary.

Several NVARC members have volunteered in previous years. Everyone has said they find it both fun and rewarding. If you are interested in helping us on Saturday 18 July, or want more details, please let me know via email at [ralph@kd1sm.net](mailto:ralph@kd1sm.net). A radio capable of at least 10 watts output, a magmount antenna, and a battery sufficient to power the radio for 10 hours are the ideal kit. If you don't have all the equipment but are still available and interested please still let me know.

More information about the ride itself can be found at <http://www.alzmass.org/ride/>

73,  
Ralph KD1SM

### NVARC Field Day 2015

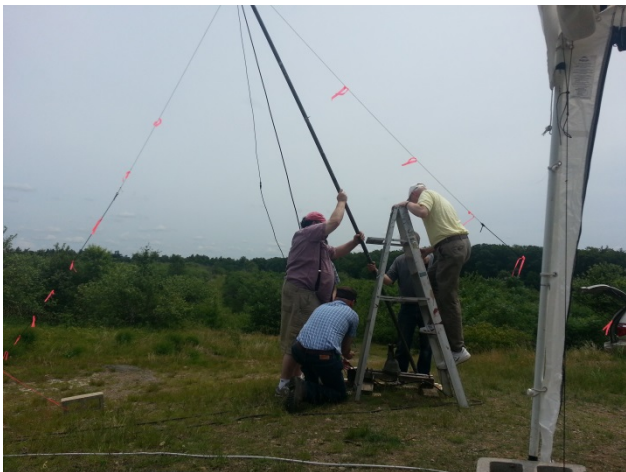


Photo Courtesy N8VIM

Above John KK1X (standing left) and Skip K1NKR (on ladder at right) erecting the VHF antenna mast.



Photo Courtesy KD1SM

Dan KW2T setting the base for the VHF antennas



Photo Courtesy KD1SM

Above the tower and antenna crew attach the tri-bander to the tower.



Photo Courtesy KD1SM

Then the cabling and ropes are attached to the antenna. L-R Greg KB1WAQ, Peter N1ZRG, Zach, Bob W1XP





Photo Courtesy KD1SM

The equipment is unloaded in the vicinity of the SSB and CW stations. At the right is Bruce K1BG



Photo Courtesy KD1SM

Above right the SSB tent, center CW tent, white food tent in background. The third HF tent was between the CW tent and food tent.



Photo Courtesy KD1SM  
Ed N1YFK



Photo Courtesy KD1SM

After the bulk of the set up was completed Jim N8VIM and Ralph KD1SM took to the air with Jim at the controls to photograph the Field Day site.



Photo Courtesy KD1SM

L-R on the knoll by the trees the R and R/food tent, the VHF/HF tent, the CW tent, the SSB tent, and the tower with the SSB and CW antennas.



Photo Courtesy N8VIM  
Ralph KDS1SM operating the HF/VHF station.



Photo Courtesy KD1SM  
Bruce K1BG operating the CW station.



Photo Courtesy KD1SM

Chuck WA1RCH (L) and Mike KA1NXH (R) operating the SSB station



Photo Courtesy N8VIM

The center of power and networking provided by Jim N8VIM



Photo Courtesy KD1SM

The tower trailer supported antennas for 10, 15, 20 40 and 80 meters which were shared between the SSB and CW stations.





Photo Courtesy KD1SM  
John KK1X preparing dinner



Photo Courtesy KD1SM

The hungry crew huddled under the food tent supplied by Leo K1LK. L-R CW Mike KA1NXH, Lee 7J1AMJ, Stan KD1LE, John KK1X (the dinner Chef), Bob W1XP, Karen KA1JVU, Larry W1ESR, Jeanine N1QIT

Field Day Participants. Stan KD1LE, George KB1HFT, Larry W1ESR, Jim N8VIM, John KK1X, Rod WA1TAC, Ed N1YFK, Bob AB1CV, Skip K1NKR, Sam K1NKR harmonic, Gabe K1NKR harmonic, Zack (Groton), Peter N1ZRG, Pete (Groton), Jim AB1WQ, Alexia (AB1WQ XYL), Bruce K1BG, Dan KW2T, Ralph KD1SM, Mike KA1NXH, Kent KD1TX, Teresa (Groton), John WA1TLX, Lee 7J1AMJ, Jeanine N1QIT, Chuck WA1RCH, Greg KB1WAQ and Tam, Bob W1XP, Karen KA1JVU.

### June Board Meeting Notes

Board meeting 7/2/2015  
Jim Peter Bob John Ralph in attendance

Topic of the day : Field Day  
Food overages  
wind and the tents  
Bob's GFI kept popping  
driving over cables is bad - add new site rules re cables and/or devise cable protection  
Takedown went very smoothly  
We had a lot of operators and a lot of air time.  
Looking for reports for field day pins, QSO reports, guests and participants

John Griswold, KK1X

### June Treasurers Report

Income for June was \$80 from membership dues and \$21 from ARRL membership commissions. Expenses were \$19.60 for newsletter postage and \$94.40 for the outgoing QSL Bureau leaving a net expense for the month of \$13.00.

Current balances:

General fund	\$3,148.69
Community fund	\$4,636.41

As of 4 June we have 41 members who are current with their dues and 20 renewals outstanding. Thank you to those of you who hand in your dues before Ralph comes to you. Please check your renewal status on the roster circulated at the monthly meeting or ask Ralph.

Welcome to new member Dan Rau K1RAU of Shirley. Dan earned his Technician license last year and joined NVARC at the June meeting.

If you are joining ARRL or renewing your membership please consider letting Ralph send in the paperwork for you. The Club will buy the stamp and will get a commission from ARRL. ARRL membership checks should be made payable to NVARC; Ralph deducts the Club commission before forwarding your paperwork to Newington. As an Special Service Club, the ARRL expects a majority of Club members to also be ARRL members.

Ralph KD1SM

## Two New Ham Bands, Maybe Update

By W1XP

On July 2<sup>nd</sup> the FCC released a Notice of Proposed Rule Making. (NPRM) in the Federal Register. This starts a 90 day comments period where 60 days is provided for comments and 30 days for additional comments in rebuttal. In effect we could have these new bands by October. But the first of the year I suspect is more likely. Based on the comments the FCC has to draft the final regulations which will become part of the FCC regulations that apply to Amateur radio. So things are continuing to move forward.

For details on the two possible new ham bands see "Two New Ham Bands, Maybe" in the May Signal. 73 Bob

## Strays

From the June 2015 issue of IEEE's "The Institute" newsletter/magazine.

4 July 1968. NASA launches Explorer 38, the first radioastronomy spacecraft, which measured galactic radio sources and studied low frequencies in space.

17 August 1937. The British Royal Air Force tests the first airborne radio set. {K1NKR comment. The technical details of the magnetron, which was crucial to radar and the war effort, was first disclosed to the public in QST following the war.

19 August 1906. Birth date of Philo T. Farnsworth, inventor and television pioneer.

24 August 1995. Microsoft releases its Windows 95 software. The company would go on to sell nearly 7 million units in the first six weeks.

## Meeting Coffee Bar

Many thanks to Ken KB1UVP for picking up the coffee "bar" at the meetings. There's been an incremental increase in socializing, and that's what we meet for.

Don't forget to leave a donation if you partake.

## NVARC Club Net

The NVARC Club Net meet's every Monday evening at 8 PM on the 442.900 Pepperell repeater. Stop in and bring your input and questions. Recent nets have been run by George KB1HFT. Attendees; Stan KD1LE, Skip K1NKR, Larry W1ESR, George KB1HFT/NCS, Dan KW2T, Leo K1LK, Jim N8VIM, Bob W1XP, Peter N1ZRG.

## Upcoming Contests

2015

July  
11-12 IARU HF World Championship

August  
1-2 August UHF  
15-16 10 GHz and Up  
16 Rookie Roundup

September  
5-6 EME 2.3 GHz and Up  
12-14 September VHF  
19-29 EME 50 to 1296 MHz

October  
19-23 School Club Roundup  
31-Nov 1 EME 50 to 1296 MHz

## Flea Markets/Hamfests

July  
19 Flea at MIT

August  
8 STARC Summer Hamfest St Albans VT  
8 Three Rivers Hamfest Milo ME  
16 Flea at MIT  
21-23 ARRL New England Convention Boxboro MA  
30 NoBARC Hamfest Adams MA

September  
13 Western CT Hamfest Newtown CT

20 Flea at MIT

October

18 Connecticut State Convention Meriden CT

18 Flea at MIT

31 Tri City ARC Gales Ferry CT

## Your Article

Your article could have been here which would have eliminated this blank space.

**Publishers Note: this version contains corrections from the originally published version, including correctly identifying this as the July 2015 issue 7 and identifying Mike KA1NXH in photos on pages 4 and 5.**

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## Nashoba Valley Amateur Radio Club

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President: Peter Nordberg N1ZRG

Vice President: Jim Hein N8VIM

Secretary: John Griswold KK1X

Treasurer: Ralph Swick KD1SM

Board Members:

Rod Hersh WA1TAC 2012-2015

Bob Reif: W1XP 2013-2016

Wolf Seidlich KA1VOU 2014-2017

Editor: Stan Pozerski KD1LE

Emergency Coordinator: Larry Swezey W1ESR

Photographer: Ralph Swick KD1SM

PIO: Roland Guilmet NR1G

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

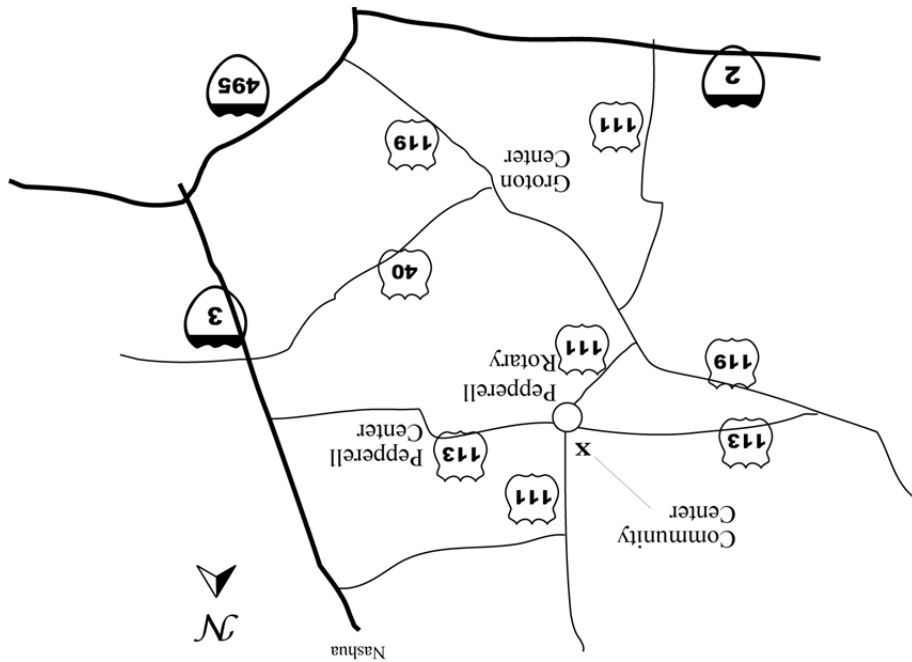
This newsletter is published monthly. Submissions,

corrections and inquiries should be directed to the

newsletter editor. Articles and graphics in most IBM-

PC formats are OK.

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