

# SIGNAL



de N1NC

December 2015 Volume 24 Number 12

## The President's Corner

None This Month

## This Month's Program

This month's program is from our winter schedule of members originated programs and is Members Homebrew Night. Bring along your homebrew projects or descriptions and give a brief description to let the members know what you have been up to.

Next month is also member based and is our annual Members Short Subjects Night. The subject can be anything that would be of interest to the membership and generally of five to fifteen minutes in length. Contact a club officer if you have something to present so they can plan for support and time

## Last Month's Meeting

Last month's speaker was Justin Hughes KJ1H. Justin spoke about the use of ham radio at performance rally events. These events have race cars flying down closed gravel roads through the woods. In addition to the usual event logistic communications many competitors also use ham radio for their own race car to service crew communications. The most unusual part is that many people who are already involved with rally end up getting their ham licenses just for rally work, and some find their way to other parts of the hobby as well.



Photo Courtesy KD1SM

Justin KJ1H giving presentation on ham radio and performance rally's.



Photo Courtesy KD1SM



Photo Courtesy KD1SM

Justin KJ1H and Alana presented with NVARC mug.

See  
<http://www.rightfootdown.com/event-coverage/yes-the-ford-mustang-will-rally/>  
for an example.

In Attendance  
Jim AB1WQ, Bill AB1XB, John K1JEB, Ken K1JKR, Dennis K1LGQ, Dan K1RAU, Gary K1YTS, Phil KB1JKL, Greg KB1WAQ, Stan KD1LE, Ralph KD1SM, John KK1X, Ed N1YFK, Peter N1ZRG, Ken N3BGN, Jim N8VIM, Paul NW1U, Larry W1ESR, Dick W1LTN, Rod WA1TAC

Guests  
Ian Cook, Mack KC1EOB, Charlie KC1EIQ, Justin KJ1H & Alana

## Tech Night

Tech Night took place December 10<sup>th</sup>. John K1JEB led the meeting with a discussion on characterizing semiconductors with some measurement and calculation exercises.



Photo Courtesy KD1LE  
John K1JEB setting up the equipment



Photo Courtesy KD1LE

Next Tech Night January 14<sup>th</sup>.

## Girl Scout Thinking Day 2016

Several members of the club provided operator, radio, and antenna support to Jill Galus, KB1SWV, during Girl Scout Thinking Day on the Air last February. It was quite a success and was even highlighted in an article on the ARRL's website. Jill's troop intends to participate in Thinking Day again this February 20<sup>th</sup> and she has begun planning for it. The activity will support five Girl Scout groups.



RRS photography  
Photo Courtesy KD1SM

If you're interested in helping and will be available Saturday February 20<sup>th</sup> contact Skip K1NKR, or Stan KD1LE. Though the program isn't set as of this writing typical things might be helping girls send their name in Morse Code, explanation of propagation at a very general level, preparing for and getting on the air, understanding time zones.



RRS photography  
Photo Courtesy KD1SM

We set up an HF station to put the girls on the air to make some international contacts. At a different station we helped them write and then send their name in Morse code. We also set them up to communicate using handhelds. This year some additional areas will be needed to address other scouting requirements.

If you're interested in helping contact Skip, K1NKR, or Stan, KD1LE.

### 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.

### December Board Meeting Notes

Board meeting 12/3/2015

George Vaccaro W1JHR proposed a QRP operating event - board approved with George to finalize and announce via Signal

Board voted to allow KC4SVR the use of one of our club brochures for his local club - We OK'd it subject to requirements of attribution, link to our web site, and elimination of "people" pictures in the documentation.

December meeting is home brew

January meeting is Short Subjects

Polling for February meeting subject!

Emails sent out to a couple of potential presenters, one on SMT and one on the local Maker's space. Treasurer's report.

John Griswold, KK1X

### Mystery Selfie



## NVARC Cumulative QRP Contest for 2016

**Objective:** To make as many contacts as possible during the contest period. Credits can boost your score by using lower power, portable power, or changing location.

**Activity Period:** From 0001Z January 1, 2016 to 0001Z June 23, 2016

**Bands:** Any Amateur Band can be used.

- Classes:**
1. Mixed Mode
  2. CW
  3. Phone
  4. Digital

**RF Power Supply Credit:**

Five watts or less but more than one watt. Credit – 1

1Watt to 100MW. Credit – 3

Below 100 MW. Credit – 5

**Power Source:**

- AC Mains. Credit – 1
- Generator. Credit -- 2
- Rechargeable Batteries. Credit – 2
- Solar Power. Credit – 3
- Dry Cell/LB (one set). Credit – 4

**Antennas:**

There are no restrictions on gain or height

**Equipment:** There are no equipment restrictions as long as the power output at the antenna does not exceed 5 watts. The means of powering receivers, tuners, computers or other auxiliary equipment is not calculated or need be powered by portable means.

**Operating:** Activity in other contests can be used to add to scoring as long as the activity can be clearly broken out of the contest log. The exchange would be the same as the other contest. The exchange on the outside of another contest would be time, call, name, signal report, location or grid. Stations could be worked multiple times on the same band as long as one station is at a new location 10 miles apart. If stations do not move, they can only be worked once per

band. The 6 digit grid square of the first and subsequent locations must be documented. Contacts can be arranged in any fashion.

**Scoring:** The final score is the total number of contacts time the selected RF power multiplier credit times the power supply credit.

**Awards:** Highest score per Class.

George W1JHR

## 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/NCS. Attendees; Stan KD1LE, Skip K1NKR, Larry W1ESR, Leo K1LK, Jim N8VIM, Bob W1XP, Peter N1ZRG Dan K1RAU.

## December Treasurers Report

Income for November was \$140 from Club membership dues, \$10 from a generous donor, \$18 from PowerPole connector purchases, and \$1.85 in bank interest. No expenses were recorded for this month, leaving a net income of \$169.85. There remain some Field Day expenses that have not been submitted for reimbursement, however.

Current balances:

General fund	\$3,418.06
Community fund	\$4,636.41

As of 3 December we have 52 members who are current with their dues and 12 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.

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

## Flea Markets/Hamfests

February  
27 Vermont State Convention

March  
19 Amateur Radio Fleamarket Dayville CT  
20 Southington ARA Fleamarket CT

## Advertisers



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## Your Article

Your article could have been here, more usefully.

## Upcoming Contests

December  
12-13 10 Meter  
20 Rookie Roundup CW  
26 Stew Perry Topband Challenge

January  
1 Straight Key Nighty  
2-3 RTTY Roundup  
3 Kids Day  
30-1 January VHF

February  
8-12 School Club Roundup  
20-21 International DX CW

March  
5-6 International DX Phone



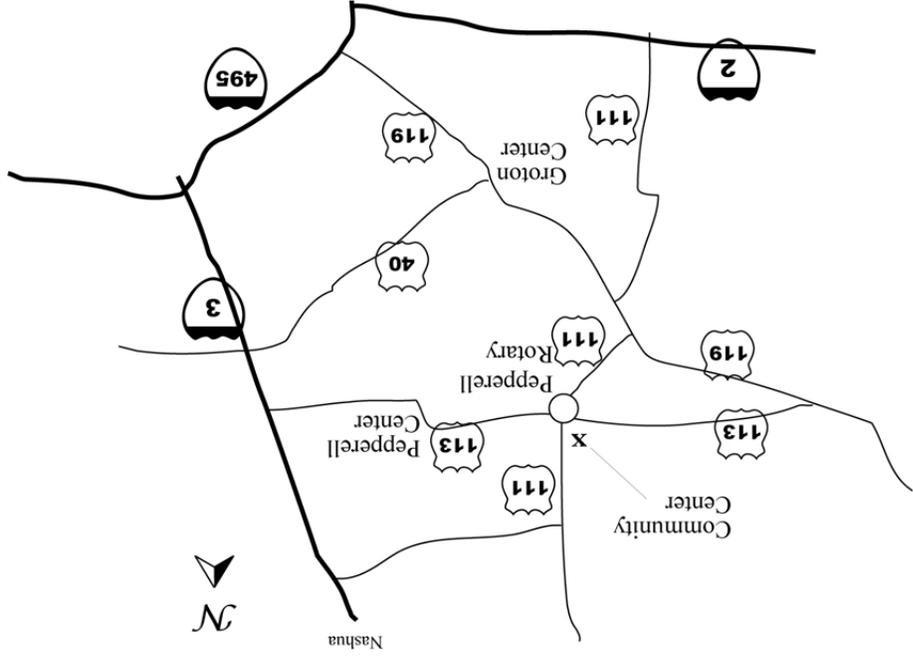
## Nashoba Valley Amateur Radio Club

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

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  
Ed Snapp N1YFK 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  
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