



# The NEMES

NEW ENGLAND MODEL ENGINEERING SOCIETY INC.

# Gazette

No 268

October 2018

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## October Meeting

The October NEMES meeting will take place on Thursday, October 4, AT 7 pm. NEMES own Dan Eyring will be speaking on the Metz company, and the various vehicles it produced.

NEMES will be meeting in the new addition to the Museum from now on. The Internet Center has vacated their space adjacent to the Museum. The Museum is using some of the space for offices, but there are two conference rooms as well.

NEMES will be using one of these for their meetings from now on. They have a more intimate setting than the Jackson room, better acoustics, and have permanently set up chairs, so we will no longer have to set up or take down chairs. The entrance to this space is via the door to the former Internet Center, you no longer have to go through the Museum to get to the meeting.

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## Club Business

*Rich Baker*

**Dues.** The 2018 dues are past due. Please bring your \$25 check to the October meeting or you can try out our credit card system. Or mail me a check to Rich Baker, NEMES, 288 Middle Street, West Newbury, MA 01985



### President's Corner Dan Eyring

Dan Eyring is on vacation. There is no President's Corner this month. See the October Meeting announcement and From the Editor's Desk for recent news about a recent addition to the Museum space, and its positive effect on NEMES..

## Machinery for Sale / Wanted

As a service to members, we continue to put listings of machinery for sale or wanted by members in this space from time to time. The notices of machinery for sale are not restricted to NEMES members, as members will benefit from the widest possible exposure to information on used machinery. Requests for machinery wanted are restricted to members. Send any information to me at [RWTimmerman@gmail.com](mailto:RWTimmerman@gmail.com)

Last month we ran a listing for a used surface grinder. Our own Todd Cahill obtained it, and moved it into his shop.

We had a listing come in just after the September Gazette went out for a 7" Rhodes shaper in poor condition (it needs the ways for the ram re-machined). I mentioned it at the September Meeting; it may already have a home. If you are interested, let me know, and I will check on progress.

We have two listings at this time:

1. This came in September 1, and may not still be available: A friend of Mike Chalifoux is refurbishing an old mill in Lowell, and has available a large quantity of steel rectangular tubing, 4" x 6", probably 3/16" wall. It weighs about 10-12 lbs/foot, and is available in 20 foot lengths. If this is too long to handle, it may be possible to cut it with a cutting disk in an angle grinder. Contact Mike Chalifoux, at [Mike.Chalifoux@gmail.com](mailto:Mike.Chalifoux@gmail.com).
2. This came in September 10, as an e-mail from Les Russell I believe: "I have a diesel blower free to a new home. It is a positive displacement rotary pump, like a supercharger. I can deliver it or it can be picked up. To make arrangements, call 978 851 2169 or email [lru74245@aol.com](mailto:lru74245@aol.com)".

## September Events

We have two events coming up at the end of September that I got notice after the September Gazette went out, so I am listing them here to make sure everybody sees them.

### Save the Date YANKEE STEAM-UP

New England's First Engine Show  
**CLASSICS FROM THE DAYS OF  
STEAM**

Old Stationary Steam & Gas Engines,  
Old Autos, Stanley Steamers,  
Motorcycles, Odd Self Powered  
Machines & Launches.

60 Foot STEAM & AIR MODEL TABLES,  
GIANT ENGINES will run.

**Saturday, September 29, 2018 9:00 am  
-4:00 pm**

Free Parking. Snacks and lunch are  
available<sup>[1]</sup><sub>[SEP]</sub>

Volunteers are needed and WELCOME

**Visit us at [www.newsm.org](http://www.newsm.org)**

**Admission: \$15.00 Adults ~ \$7**

**Students ~ 6 & Under FREE**

**1300 Frenchtown Road, East  
Greenwich, RI 02818**

### Rollie Gaucher's Open House at his shop Sunday, Sept. 30

**90 S. Spencer Rd, Spencer, MA**

Typically Noon to 5 PM



From the  
Editor's Desk

Bob  
Timmerman

The big news is that the Internet Center, which was adjacent to the Museum, gave up their space, and the Museum has been able to take it over. While most of the space will be used for offices (providing more space to support functions, including a much-needed workspace for collections), there are two conference rooms as well. The Museum hopes to rent them out part of the time, but they will be available for NEMES. There are a number of pluses for NEMES. The chairs are already set up, so it will no longer be necessary to set up and take down chairs. The larger room has a brand-new ceiling-mounted Power Point projector. The entrance to this space will be through to door formerly used by the Internet Center, so we will not have to go through the Museum. This will be a big plus when there is a function at the Museum.

In addition to this, while I have nothing official, my own observations, plus conversations with workmen leads me to believe that construction of a handicap ramp up to the Jackson Room is underway. This should be done in two months or so, making it easier to load into the Jackson room for the Model Engineering Show in February.

I received an article about doing something that is supposed to be impossible, you can read it on page 4. I want to make this a regular feature. Additional contributions are welcome.

### Summary of September Meeting

This meeting was the first one in the new conference room in the former Internet Center space at the Museum.

Mechanical engineer Ian Clark gave a talk on building his own airplane. This is a 12" to one foot scale project, which actually flies, and travels distances measured in miles over the surface of the earth. Ian is the third generation in his family to be associated with the aircraft industry—both his father and grandfather were associated with the aircraft industry in Great Britain.

Ian bought a set of plans from an aircraft designer that were certified. He then proceeded to cut and bend metal in his garage. While most of the aircraft is aluminum, the section forward of the firewall is steel tubing. Ian decided that the easiest way to produce strong welds in tubing was oxy-acetylene, and he showed us pictures of the welding process.

The engine is an inline 6 cylinder design, a deliberate choice on Ian's part, as inline 6's are inherently balanced (as anyone who has ever driven one knows). A company in Australia makes an inline 6 for airplane, and this is the engine that powers Ian's plane.

Once the plane is complete on the outside, Ian told us that it was about halfway done, as a lot of work is required to install the fuel system, avionics, and other items. The completed plane is inspected by the FAA, or a Designated Representative.

Ian described some of his flights in his plane, and brought along a large quantity of the tools used to build the plane. In particular, he brought along the miniature torch he used to weld the tubing..

While we would like to see Ian at more NEMES meetings, he is a Scoutmaster with a troop that meets on Thursday nights, so he has a conflict, with only a few nights available during the year. NEMES would offer an invitation to Ian to bring his troop to a NEMES meeting.

## Future NEMES Meetings

**November:** Thursday, November, Joint meeting with the Charles River Museum of Industry and Innovation, *The Factory and the Making of the Modern World*, Professor and Author, Joshua B. Freeman. Since this is a joint meeting with The Museum, pre-registration will be required.

**December** (tentative) *CNC Machined Model Engines*, Dave Mullert, Axis Engines [Dave was scheduled for October, but had a conflict]

**Future Meetings:** Topics as suggested by NEMES members—we do not have any more program ideas. Does anybody have an idea for a program, and would be willing to do the legwork?

## You Can't Do That!!

I am sure that most of my fellow members have run into a situation where they had to make a part or do a repair in an unorthodox manner. I am putting out a challenge – write up your solution to a situation where the experts would say – “You Can't Do That”. I will start the thread with a solution passed on to me by my friend Dave Dechambeau. If you have been to the antique engine shows you may have seen Dave and his 1941 military Indian motorcycle.

Dave was faced with a problem. He needed a bearing for his Indian and the exact bearing was no longer available. He could however get a bearing which was slightly wider. The solution – grind the bearing to the proper width. Anybody who knows anything about bearings would say - “You Can't Do That”.

Well Dave didn't know that he couldn't do it so he started out by filling the open bearing with candle wax and then had the bearing ground to width. After grinding, he scraped off the grinding dust and excess wax and then immersed the bearing in boiling water to remove the wax. He dried the bearing and thoroughly cleaned it with carburetor cleaner. He re-lubed the bearing and installed it in his Indian, where it is still running after many years.

This was a very clever solution to a problem and one that most of us would say couldn't be done. Please pass on your favorite “can't be done” solution.

Jim Paquette

## Future Events

[Editor's note: Our new webmaster has done a great job of formatting this section for the NEMES website. This section of the Gazette is a copy of that section of the website, and will keep the website format]

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### September, 2018

- **September 7-9** 47th Annual Dublin Engine Show  
**Dublin NH** East of junction 101/137 on Rt. 10t  
Feature: Domestic engines.  
Contact: Bart Cushing, PO Box 668, Walpole, NH 03608  
tel: 603-313-9970  
email: bart@cushingandsons.com  
[www.dublinnhgasenginemeet.com](http://www.dublinnhgasenginemeet.com)
- **September 14-16** Tobacco Valley Flywheelers 38th Annual Show  
**Haddam CT** Haddam Meadows State Park, Rt. 154.  
Contact: Russ Bengtson, 646 Bear Hill Rd., Middletown, CT 06457  
tel: 860-347-5774  
[www.oldengine.org/members/tvf](http://www.oldengine.org/members/tvf)
- **September 28-30** 34rd Annual Connecticut Antique Machinery Assn. Fall Festival  
**Kent CT** One mile north of Kent on Rt. 7.  
Contact: John Pawloski, PO Box 425, Kent, CT 06757  
tel: 860-927-0050  
email: [j.a.pawloski@att.net](mailto:j.a.pawloski@att.net)

- **Saturday, September 29, 2018**  
**9:00 am -4:00 pm YANKEE STEAM-UP**
- Free Parking. Snacks and lunch are available<sup>[SEP]</sup>
- **Visit us at** [www.newsm.org](http://www.newsm.org)
- **Admission: \$15.00 Adults ~ \$7 Students ~ 6 & Under FREE**
- **1300 Frenchtown Road, East Greenwich, RI 02818**

- **September 30,** Rollie Gaucher's Open House at his shop
  - 90 S. Spencer Rd, Spencer, MA
  - Typically Noon to 5 PM
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### October, 2018

- **October 13-14 : 10-5 Sat, 10-4 Sun** Rail Fair 2018 - Model Train Show  
**Boxboro, MA** Boxboro Regency Hotel  
Sponsored by Nashua Valley Railroad Association  
<http://nvrta.com/>
  - **October 13, 10AM—5PM,** Mini Maker Faire, Pepperell Mill Campus, 40 Main St, Biddeford, ME, (Important: Registration due by September 16)
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### November, 2018

- no events currently
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## **December, 2018**

- **December 1-2** New England Model Train Expo  
**Marlborough, MA** Best Western Royal Plaza Hotel and Trade Center in Marlborough, MA
  
  - **December 8, 2PM** 9th Annual NEMES HOLIDAY Dinner/Get Together  
**Essex, MA** Woodman's Restaurant in Essex MA 121 Main St, Essex, MA.  
No tickets or reservations. Just show up enjoy! (you may have reservations but come anyway)  
[www.woodmans.com](http://www.woodmans.com)
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## **January, 2019**

- **January 18-20** Cabin Fever  
**Lebanon, PA**
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## **February, 2019**

- **February 16** 2019 NEMES Model Engineering show  
**Waltham, MA** Charles River Museum of industry and Innovation