

# The NEMES

NEW ENGLAND MODEL ENGINEERING SOCIETY INC.

# Gazette

No 273

March 2019

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## March Meeting

The March Meeting will be held at 7 PM in the conference room of the Charles River Museum, on Thursday evening, March 7, 2019. The meeting room will be open at 6:30PM, so members can socialize before the meeting.

There will be a brief poster session, where members can discuss current projects, share experiences, and perhaps enlist the advice of NEMES members. Members are encouraged to bring current projects. to discuss

The speaker is Dave Fox of Bolton, MA - a collector/restorer of vintage products from the 19th and early 20th centuries. He will be loaning a number of them to the Museum for display in the former Charles River Public Internet Center area.

## Update on Model Engineering Show

Attendance at the Show set a new record, of 630 people, partly thanks to Dan Eyring for going out and distributing flyers.

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## Club Business

Rich Baker

**Dues.** We are now collecting 2019 dues. Please bring your \$25 check to the March 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.

See Rich Baker for the NEMES merchandise.



### President's Corner Dan Eyring

[Editor's note: As Dan is taking over responsibility for programs, he will not be writing a monthly column. I am keeping this space open, in case he wants to do a column in the future.]

### 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)

No new listings at this time



From the  
Editor's Desk

Bob  
Timmerman

Several months ago, I ran an article about doing something that is supposed to be impossible. I want to make this a regular feature. Additional contributions are welcome.

Our list of future events has ended. Get your listings of future events to our Webmaster, James Scheffler III.

I have received an article for the Gazette. Due to coverage of the Model Engineering Show, there will not be room this month to run it, so I will run it in the April issue.

The big item for this month is the NEMES Model Engineering Show, which ran Saturday, February 16. It was a big success. Coverage later on this issue.

### Summary of February Meeting

There was a brief Poster Session, where members discussed their current projects, and, in the case of Dick Boucher, brought in an example of what he was working on. This will be a regular feature of future meetings

After that, Bruce Strong discussed catapults that he has built, and the differences between catapults and trebuchets. He showed pictures of catapults he built, and the results of them at some of the Punkin Chuckin meets he attended. He also showed models of some catapults.

## Dick Boucher's *You Tube* Channel

NEMES own Dick Boucher now has his own *You Tube* channel, covering videos of various engine shows, and a few topics on machining that I have not seen anywhere else. The two videos I watched on machining were how to remove a broken center drill, and on a fixture (first developed by Rollie Gaucher) for centering work on a faceplate. The URL for the site is

<https://www.youtube.com/channel/UCvlip2wqxZ0YvxzQ0FDqQJg>

Alternatively, you can go onto You Tube, and search for Richard Boucher Machine Shop.

## Future NEMES Meetings

At the December meeting, Dan Eyring took over responsibility for programs, and begun the effort to recruit a program committee, so that no one person would have to do all the work of programs. Anybody who wants to serve on the program committee, or has ideas for programs, please talk to Dan

## Report on NEMES Model Engineering Show

The show was a big success, due in part to Dan Eyrng going out and distributing leaflets about the show to Maker Spaces and Voc-Tech schools. Attendance set a new record of 630 attendees.

Photos by the author, unless otherwise noted

This year we had help with setup from Boy Scout Troop 250 in Waltham. Below are pictures of the Scouts, and the Leaders.



Some of the boys from Troop 250, who helped with setup



Photo © 2019 Richard Koolish

Boys helping with setup. According to the Waltham Patch, the Scouts who helped were: Sebastian Nixon, Owen and Kieran Linden, Mike Walsh, Conner Kelleher, Henry Vaananen, Jake Bluvol, Dan Nixon, Mike Linden, Pasi Vaananen.

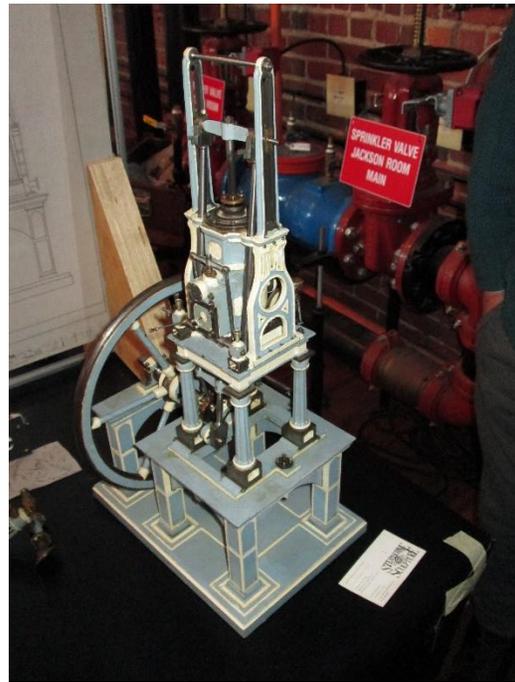


Phil Storer (Activities Chairman Troop 250, and Dee Dee Walsh, mother of Mike Walsh, who supervised the Scouts.

NEMES Secretary Todd Cahill had his usual elaborate exhibit. Here are some pictures of Todd's exhibit:



Todd setting up his exhibit



Todd's model of a "Table Engine", so-called because the cylinder sits above the cylinder on something resembling a table.

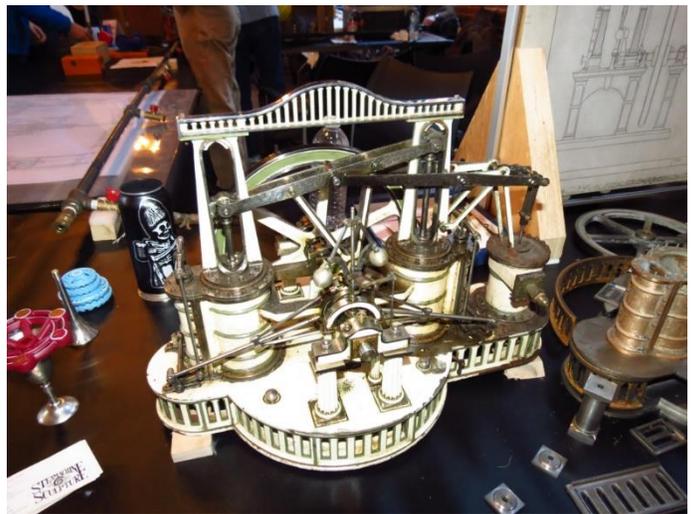
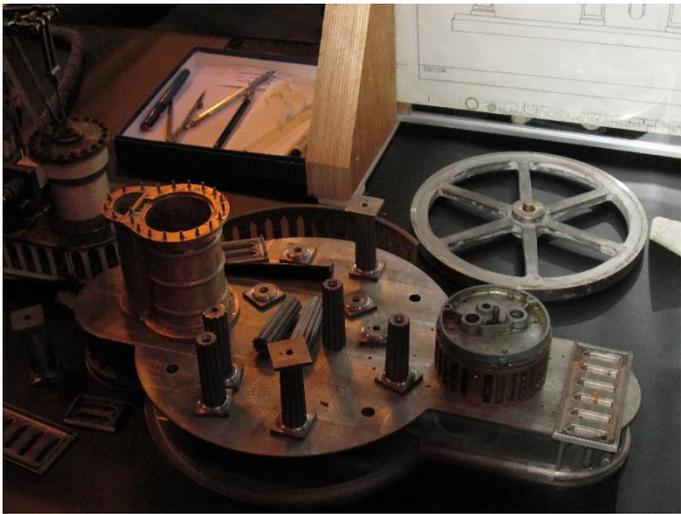


Photo © 2019 Richard Koolish  
Todd's pumping engine model



Parts for another pumping engine model Todd is making for a paying client.



We haven't seen much of our webmaster, James Scheffler recently. Here is why, his six month old son, Richard James Scheffler IV, who is taking a lot of daddy's [and mommy's] time. But he is getting an

early start, with Dad taking him to the Model Engine Show.



Photo © 2019 Richard Koolish

Ron Ginger's exhibit.



Photo © 2019 Richard Koolish

Dick Boucher with a model that did not require machining. Dick also exhibited the work in progress on his fire engine model.



Photo © 2019 Richard Koolish

NEMES Treasurer Rich Baker selling NEMES merchandise



A Swiss screw machine turning out miniature nails for a model wooden boat (note the book on wooden ships to the right)



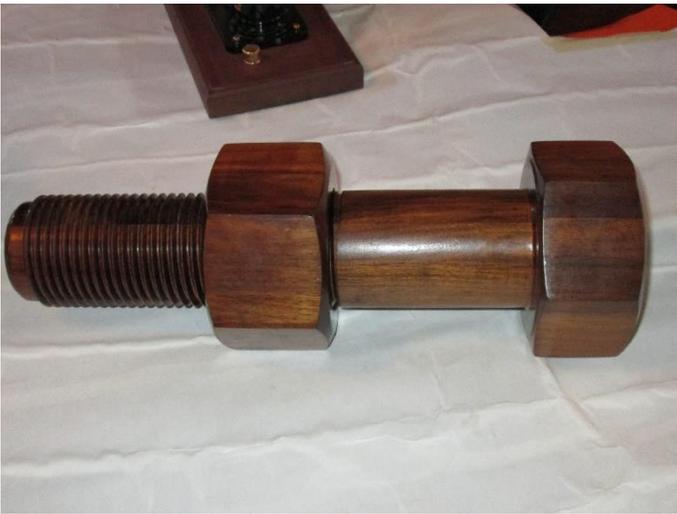
Photo © 2019 Richard Koolish

Another view of the Swiss screw machine

As the name implies, I believe these machines were used to make parts for watches. The Museum has another type of automatic screw machine for watch parts, and we are still trying to get it working.



NEMES member Rollie Gaucher in front of his exhibit.



A large wooden bolt Rollie made. This was made from scrap walnut, laminated together. Wood must be cut at high speed to avoid tearing. [A typical cutting speed for a table saw blade is about 10,000 fpm, a bandsaw runs at about 3000 fpm, and a router between 2000 and 2500 fpm for a 1/2" cutter. Rollie made this by setting the lathe up for threading, and using a die grinder at 30,000 rpm with a conical cutter.



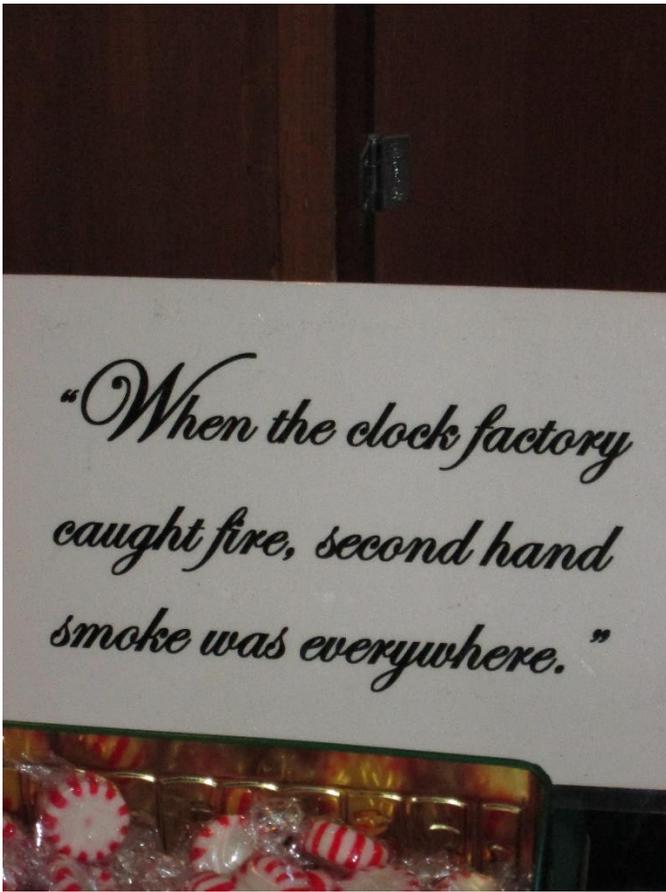
Photo © 2019 Richard Koolish  
The large bolt, and three smaller bolts



A display of mechanical motions. My favorite is the Geneva gear, in the center with the red handle. This converts a continuous rotary motion of a shaft to an intermittent motion, which is used in motion picture projectors to advance the film when the shutter is closed.



The crowd in the main display area about noon.



A corny horological pun included with of the displays



Photo © 2019 Richard Koolish

Vernon Eshbaugh with his models and his tailstock toolholders.



Photo © 2019 Richard Koolish

NEMES member Les Russel with his display of small engines.



Lathe tailstock tap and die holders built by Vernon Eshbaugh, one of our NEMES members.



Photo © 2019 Richard Koolish  
Starting up an elaborate internal combustion model.



Photo © 2019 Richard Koolish  
Rollie explaining how his engine model goes into its protective case.



A 3/8"=1'-0" scale model of a New York Central Hudson. Built by J.A. Keeth PE in the 1930s. He donated it to the Newcomen Society, outside Philadelphia, PA. When they closed their museum, his grandson bought the model back at auction. Now owned by his grandson, Don Keeth, of Belmont, MA.

## 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 in the same format.]

Our list of future events has run out.. Please keep our Webmaster informed of any future events. Publicity helped boost attendance at this event, it will help boost attendance at yours.

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Flyers for the following event were handed out at the Show:

**Tobacco Valley Flywheelers**  
**Antique Engine and Tractor Show**  
September 13, 2019, open at noon for setup  
All day September 14 and 15, 2019

Haddam Meadows State Park  
Haddam, CT  
820 Route 150  
Saybrook Rd,  
Haddam, CT