



The NEMES

NEW ENGLAND MODEL ENGINEERING SOCIETY INC.

Gazette

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November Meeting

The November NEMES meeting will be a joint meeting with the Charles River Museum of Industry and Innovation. They will be presenting historian Joshua B. Freeman, talking about factories. The talk will be based on his book, *Behemoth, History of the Factory and the Making of the Modern World*, which chronicles the development of factories. The meeting will be at the Charles River Museum, on Thursday, November 1, and will run from 7 PM until 8:30 PM

The Museum has asked NEMES members to pre-register, so they know how many people to expect. To pre-register, you have to go to the event portion of the Museum website:

<https://charlesrivermuseum.org/event-s-list>,

then scroll down to the November 1 MillTalk. There will be a box that asks you to register on Eventbrite. Click on the box, and follow the instructions there. [Editor's Note: while it looks like a long procedure, I tried it, and it took less than 5 minutes.]

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Club Business

Rich Baker

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

Christmas is coming soon. You might consider some NEMES apparel as Christmas gifts. See Rich Baker for the selection of merchandise.



President's Corner Dan Eyring

2018 – Looking Back and Thinking Ahead

Happy Turkey Month folks! We will be joining an event in the Museum this Thursday evening -

“In this talk, based on his book, [Behemoth: A History of the Factory and the Making of the Modern World](#), celebrated historian **Joshua B. Freeman** will provide an illuminating overview of the global history of the factory and its effects on

society. - - *And what better setting for this talk could there be than the first integrated factory in the world, the Francis Cabot Lowell Mill in Waltham Massachusetts, the longtime home of the [Boston Manufacturing Company!](#)”*

If you plan on coming Thursday night (7 PM), please let the Museum know by RSVP here:

<https://www.charlesrivermuseum.org/events-list/2018/11/1/mill-talk-the-factory-author-joshua-freeman>

or call the Museum at 781 893 5410 and leave a message.

Since we won't have a chance to talk club business until December, I would like to take this opportunity to review the year and suggest some plans for the future. These deserve a full discussion, which I hope to lead at the December meeting.

I think 2018 was a success for the Club – many thanks to the Club's officers and senior members for pulling off a fun trip to Cabin Fever in January, a great NEMES show in February and a number of excellent speakers over the year. Particular thanks to Bob Timmerman for taking on the dual roles of Gazette Editor AND Programs Chair, to James Sheffler for doing a bangup job renovating the NEMES website [neme-s.org] and Rich Baker for giving me much more than a helping hand every time I needed one.

That said, I've had some growing concerns over the year about the Club's future.

First and foremost, we have a declining membership. The old gang is getting older and we are attracting few new members. Not to mention younger. New blood and enthusiasm are key to the continued survival and prosperity of NEMES. Let's have a brain storming session about how to better advertise the Club and how to attract new members.

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

In August, 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, left over from last month:

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.
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 lruss74245@aol.com".

Second, key to attracting and keeping new members is a strong speaker program. Bob Timmerman has done a great job this year, but it has been quite a strain for him because he has been getting little help in finding new speakers. The Program Chair's job is to follow up on speaker tips from the Membership, and Bob has received darned little help in this regard. The Club membership has wide experience and deep technical depth in the mechanical/machining/modelling arts. With some modest effort, every club member has the capacity to provide at least one speaker tip every year. That's all it takes a tip and Bob will run with it. Yes, this means getting more involved in the work of running the Club. But if we all want the Club to carry on through 2019 and beyond, we all need to pitch in.

So have a great start to the Holiday season this month – and see you Thursday night!

Dan



From the Editor's Desk

Bob
Timmerman

Sorry for the late Gazette, but I have been travelling, first to Charlotte, NC, to give a paper at a conference for my day job, then to South Carolina to visit relatives.

As Program Chairman, as well as Gazette Editor, I want to give a shout out to Dan's President's Corner about finding speakers. Without help from the members, it is quite difficult to get speakers.

The Museum confirms that work is underway for the handicap ramp into the Jackson room, but progress is slow.

Last month 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 seems to be petering out. Get your listings of future events to our Webmaster, James Scheffler III

Our talk on November 1 is a joint meeting with the Museum, by the author of *Behemoth History of the Factory and the Making of the Modern World*. Going along with that theme, the English language has quite a few words for places where people make things. Here is a list I have compiled over the years:

Places to Make Things

Plant (1): Modern term, general in meaning.

It can include a number of sub units.

Frequently large scale, such as Automobile
Assembly Plant

Plant (2): A place for carrying out a continuous process:

Power Plant
Chemical Plant
Sewage Treatment Plant
Sometimes water treatment plant, but also
water works

Mill: Place where raw materials are turned into finished or semi-finished products

Steel Mill Processes iron ore into steel
Cotton Mill Processes raw cotton into cloth
Woolen Mill
Saw Mill Turns logs into lumber
Paper Mill turns wood into paper

Factory: Older general term, connotes making small things, such as watches
See 'ry words

Shop: Generalized term
Usually for place where one-off work, or short run production is done, not mass production, some exceptions

Exception to one off:

Forge Shop (where forgings are made, in lots of one to lots of hundreds)
Machine shop, containing machine tools. May be one-off or mass production
Fabrication shop for fabricating steel, usually in small lots

One off work:

Electronics shop, where individual items or small lots are made or tested
Repair shop: any size from small items to locomotives

Smelter: Where non-ferrous metals are refined

"-ry" words

Factory Older general term, see above
Connotation of place where many small products are made
Shoe factory
Garment factory
Watch factory
Sometimes connotes older, multi-story building

The output of a **cotton mill** would go to a **dye plant**, or **finishing plant**. The output of the dye plant would go to a **garment factory**.

The cotton mill and dye plant would frequently have auxiliary facilities, such as a steam plant, and a waste treatment plant, and possibly a machine shop.

Factory	Where small objects are made
Brewery	Where beer is brewed
Winery	Where wine is made
Bakery	Where bread is baked
Distillery	Where whiskey is made
Foundry	Where metals are cast
Armory	Where guns are made
Tannery	Where leather is refined
Cannery	Where food is canned (especially seafood near ocean)
Refinery	Where raw materials are refined oil refinery, sugar refinery
Bleachery	Place where fabrics and other materials are bleached (but see dye plant above)

Works: The grandest term of all
A large group of buildings containing multiple facilities, to make large products
The Baldwin Locomotive Works (one square mile in its heyday)
The River Works (GE Lynn) Steam turbines and marine gears
The River Works (GE Schenectady) Main GE Heavy Equipment Plant
Also applies to drinking water purification, a Water Works

Summary of September Meeting

This meeting was the second one in the new conference room in the former Internet Center space at the Museum. Dan Eyring gave a talk on his research to date on the Metz car company. He went into the various cars that Metz and his associates made. The one the Museum has on display is a light weight runabout.

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?

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]

November, 2018

- no events currently
 -
-

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
-

January, 2019

- **January 18-20** Cabin Fever
Lebanon, PA

February, 2019

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