



The
NEMES
NEW ENGLAND MODEL ENGINEERING SOCIETY INC.

Gazette

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July Meeting

The July Meeting will be a presentation by our own Todd Cahill on the Brandillary, a device for warming a glass of brandy, which is now in use at the bar of the Hotel Marlowe in Cambridge. A description of Todd's invention is on the Hotel website, under Hotel, Brandillary. The website has a close-up picture, which shows off Todd's workmanship.

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Club Business

Rich Baker

Dues. The 2018 dues are past due. Please bring your \$25 check to the July 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

President's Corner Daniel Eyring

A Trip to the Slater and Wilkinson Mills

On a fine late spring Sunday in May, I took a scenic drive down the Blackstone River Valley to visit the Slater Mill Museum in Pawtucket. Having spent the last year at CRMII researching textile manufacturing technology, I was eager to lay eyes on authentic 200 year old cotton yarn spinning Machinery.

And indeed, my tour of the factory floors of the Slater Mill was informative and entertaining. But the other reason I made the trip to Rhode Island that day was to visit the adjacent Wilkinson Mill. I had read that the Wilkinson Mill, though no longer containing or exhibiting textile machinery, did house David Wilkinson's machine shop – dating back to the late 18th/early 19th century time frame. Wilkinson is considered by many technology historians to be the Father of the American machine tool industry and holds a key patent for a Screw Cutting Lathe.

Visiting Wilkinson's shop was fantastic and I took many pictures. But alas, it was an overcast day and flash photography was severely prohibited by the tour guide. But recently, I was delighted to find a long post in Practical Machinist [\[https://www.practicalmachinist.com/vb/antique-machinery-and-history/visit-david-wilkinsons-machine-shop-1790-1840-a-336315/\]](https://www.practicalmachinist.com/vb/antique-machinery-and-history/visit-david-wilkinsons-machine-shop-1790-1840-a-336315/) by a fellow tool junkie from Florida who had made prior arrangements with the keepers of the Wilkinson mill to inspect and photograph Wilkinson's machinery. I urge you to visit the posting for the clear and detailed pictures therein, as well as the extended discussion on circa 1800 lathes, planers, drill presses and so on. It's a good read with many good references for further reading.

I've borrowed some of that gentleman's fine photos and posted them below, so that you also might be motivated to visit.

The Mill –



The 50 horsepower, 16,000 pound, breast shot waterwheel in the basement, showing both manual controls and a flyball governor –



And finally, the enormous Engine Lathe dominating the Shop Floor.

It is 124 1/4" long, 22" wide, and 48" to the top of the head-stock pulley. The large hand-wheel used to push the tool carriage toward the tail-stock via an internal toothed rack (not room to attach it where it's positioned because at the end of the feed stroke the rack extends quite a bit out of the front of the Engine Lathe) is 22 3/4" dia and covered with a 3/8" thick leather band nailed to the outer part of the wooden part of the wheel. This has to be the oldest known engine-lathe in the USA, probably dating from about 1798-1799 [according to the person writing on *Practical Machinist*].



An end view of the Shop and some of the complex overhead belt and pulley power distribution system



Dan

From the
Editor's Desk



Bob Timmerman

First, a note for all you tool hoarders out there, who cannot pass up a yard sale or auction, or merely stop off at the Tool Shed every month—you have company. Many of you probably watch Tubal Cain's (aka Mr. Pete 222) on YouTube. Some time ago, he told his viewers that he was not going to any more auctions. His latest video contradicted that. It is in two parts. The first part is the results of a yard sale he went to on the way to yet another auction, with the results of the auction in a yet to be published video. From the results of the first video, it looks as though he was not going to attend any more yard sales or auctions, he came back with a pretty good haul.

This is an easy Editor's column to write, as there is nothing to write about. Nobody has suggested an article, nor any programs. While I do not mind writing an article or two, I should not be providing all the content for the Gazette. Max is in the process of moving, so he will not have an article. Starting next month, I will be re-running some articles from previous Gazettes. How come the people 10 years ago could write article, yet today, nobody can do so? How about some articles. I will help put some article together if necessary, just come up with an outline, and perhaps some pictures.

The same goes for program ideas. The only person who has given many very many program ideas is Dick Koolish. Surely some of you have ideas for programs or know somebody who might be a good speaker. Let me know!

Summary of June Meeting

The June meeting was a presentation by CRMII volunteer Roger Weigand about his restoration of an 89 key Gavioli Fairgrounds organ, built in Paris in 1807, the year of Queen Victoria's Diamond Jubilee.

After Roger bought it, it was restored to more of less working condition in England, then Roger did an additional restoration, and added an MIDI interface.

Future Events

June 2018

Granite State Gas and Steam Engine Association, 47th Annual Gas and Steam Spring Show, June 2-3, 2018, (setup Friday, show Saturday and Sunday) Note New location: JR Bristol's, [80 Witches Spring Rd, Hollis, NH](#), Contact: Andy Mackey 603-878-2845, Brian Barden, 603-563-8006, Richard Keegan, 603-899-5285
<https://granitestategasandsteamengineassociation.com/2018-show/>

East Coast Antique Tractor Club, Spring Tractor Pull and Swap Meet- (Rain or Shine), June 3, 2018, J.R. Rosencrantz, Kensington, NH, Contact: Jim Rosencrantz [603-765-8235](#)

June 3 ATHS Ocean State Vintage Haulers 24th Annual Antique Truck Show Johnston War Memorial Park, Johnston, RI 8 am to 2 pm. Contact Joseph Pingitore, Pres. 401-692-0095

JUNE 3rd 2017 British by the Sea Car Show HARKNESS MEMORIAL STATE PARK, WATERFORD CT
<https://www.classiccarperformance.com/blogs/news/2018-british-by-the-sea-car-show-june-3rd-waterford-ct>

3 June Annual Spring Tractor Show and Farm Open House
Roxbury CT

1-84 exit 15. North on Rt. 67 to Roxbury, right on 317, left on Painter Hill Road to Toplands Farm at the top of the hill.

Contact: Nikki Hine, 102 Painter Hill Rd., Roxbury, CT 06783 860-354-0649; email: ddlivinghistory@aol.com
www.toplandsfarm.com

8 - 9 June Charter Day Antique Tractor Pull and Show

Granby MA

Feature: Allis-Chalmers; Case; Farmall; Friday; International Harvester; John Deere Dufresne Recreation Area, Taylor Street entrance.

Contact: George Randall, 52 Taylor St., Granby, MA 01033 413-467-9541; email: george.randall3@comcast.net

June 9th (setup on Friday) Maine Antique Power Assn. 45th Annual Show
Skowhegan ME
Skowhegan State Fairgrounds, St. Rt. 201, Madison Ave., use Beech Street or main gate at Walmart entrance.

Contact: Joe Kelley, 25 Wessnette Dr. Hampden, ME 04444; 207-862-2074
email: wildirishman52@gmail.com
<http://maineantiquepower.org/wp-content/uploads/2018/01/Show-poster-2018.pdf>

June 9 - 10 ATCA CT Yankee Chapter Show
At the Bethlehem Fair Grounds, 384 Main St Bethlehem, CT
Contact Bill 203-739-0118
Show flyer at
<http://www.antiquetruckclub.org/forms/CT2018.pdf>

23 - 24 June 42nd Annual Central Massachusetts Steam Gas & Machinery Association Yankee Engine-uity Show
80 Airport St. Orange MA
Feature: Allis-Chalmers; Abenague engines.
Contact: Grover Ballou, PO Box 32, Orange, MA 01364; 413-249-2895
email: info@cmsgma.com www.cmsgma.com

June 24 ATHS Nutmeg Chapter Antique Truck Show

Brooklyn, CT At Route 169. Antique Truck Show, Flea Market and Toy Show.

<http://nutmeg.aths.org> Contact John Raymond 860-608-5033

[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]

July 2018

- **July 7-8 10am-5pm both days** The 26th. Annual Long Island Antique Power Association Summer Show
Riverhead, NY 5951 Sound Avenue, Riverhead N.Y. 11901
Featuring Letter Series tractors
www.liapa.com
- **July 14-15** Zagray Farm Museum Summer Show and Swap Meet
Colchester, CT 544 Amston Rd., Rt. 85 north from Colchester, 1-1/2 miles on right.
Contact: Ed Bezanson, 85 Dayton Rd., Waterford, CT 06385
tel: 860-208-2422
email: edwin_c_bezanson@sbcglobal.net
www.zagrayfarmmuseum.org
- **July 27-29** 23rd Annual Eliot Antique Tractor and Engine Show
Eliot, ME From 1-95 take Rt. 236 N. 5 miles to RT 103, left 1/4 mile, show grounds on right
Feature: Minneapolis-Moline tractors; Jacobson engines
Contact: Lisa or Tom Raitt, 2077 State Rd., Eliot, ME 03903
tel: 207-748-3303
email:

August 2018

- **August 3-5** The Northeast Rockbusters will be hosting another Antique Equipment Show
Pembroke NH Concord Sand and Gravel Pit Concord/Pembroke NH Show entrance is off NH Pembroke Rd Pembroke NH 03275
- **August 11-12** 39th Annual Straw Hollow Engine Works Show
Boylston, MA Pine Ridge Farm, Cross St., off Rt. 70. Boylston, MA
Contact: Daniel Moore, 125 Linden St., Boylston, MA 01505
tel: 508-869-2722
- **August 17-19** Bristol Model Engineers Exhibition 2018
Bristol, United Kingdom
[BSMEE 2018 EXHIBITION](#)
- **August 18** American Precision Museum Annual Model Engineering Show and Maker Space
Windsor, VT 196 Main Street, PO Box 679, Windsor, VT 05089
Exhibits at both APM and around the corner at the Windsor Rec Center
Admission--\$10 adult or \$5 students; one ticket good for both venues.

Please call us at 802-674-5781 for more detail

[American Precision Museum](#)

- **August 18-19** Antique Marine Engine Expo
Mystic CT Henry B. duPont Preservation Shipyard
75 Greenmanville Ave Mystic CT
1-95 exit 90, south on CT Rt. 27 to Mystic Seaport.
Contact: Scott Noseworthy, PO Box 6000, Mystic, CT 06355
tel: 860-572-5343
email:
scott.noseworthy@mysticseaport.org
[Henry B. duPont Preservation Shipyard](#)

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
- **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

- **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
www.ctamachinery.com

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/>

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 18** 2019 NEMES Model Engineering show
Waltham, MA Charles River Museum of industry and Innovation