

The
NEMES
NEW ENGLAND MODEL ENGINEERING SOCIETY INC.

Gazette

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January Meeting

We will have a Zoom meeting in January at 7 PM on January 2, 2025.

An invite is attached to this Gazette.



Club Business

We are now collecting dues for next year.

From the Treasurer

Members, as was mentioned in the President's Column last month, we are changing our management service provider from Capital Hill Management to Club Express. This process is moving forward but more slowly than anticipated. Because of this, invoices for membership renewal will be late this year and will have a new look as they will come directly from Club Express rather than Square.

Our relationship with Cap Hill was somewhat awkward although they did reliably distribute the Gazette and track membership and dues payments. We do expect a significant reduction in our annual expenses since Club Express will sponsor our host our web site, replacing Dream Host. Other changes for services for our club will be coming as well. We will try and keep the membership informed through the Gazette.

In the mean time, if you wish, feel free to send a check to:

Robert Goeller – for NEMES
34 Middlebury Lane
Beverly, MA 01915-1300
They will be recorded as received.

To members who have tried to e-mail me using our published treasurer's e-mail address: Our e-mail address has been the target of an exorbitant number of spam e-mails from all sorts of people and organizations marketing their products and services. The number of these e-mails is so large (hundreds in the course of only a week) that it is almost impossible for me to find e-mails from members. I apologize to those who have tried to contact me without response, I did not see your e-mail. [President's note: mine too!]

Unfortunately, our current e-mail server does not provide a function to block these unwanted e-mails. We are working to alleviate this problem. However, in the mean time, it is unlikely I will be able to respond to member's e-mails. You can write to me as needed, if I see your e-mail I will respond but the current reality is that it is unlikely that I will see said

e-mail. If you need to contact me, best to use the US Postal Service at the address in the introductory column.

On another subject, many members have mailed their dues checks to the Charles River Museum, rather than directly to me. Unfortunately, these checks, many from early 2023, were only recently forwarded to me and many are too old to be deposited. Any checks that I cannot deposit, I will return to the member. If you have recently sent a check to the Museum, please let me know via standard US Postal Service (not e-mail) and we will watch the Museum's mail for these checks.

When we have alleviated the e-mail problem, I will let you know in a future Gazette.

APPAREL: Please check out the NEMES Aprons, T-Shirts, Denim Shirts and Sweat Shirts. We are happy to ship any of this clothing directly to your home.

Orders should go to our Treasurer, Rob Goeller. His address is in the opposite column.



President's Corner Bob Timmerman

We are in the process of switching to Club Express. There may be some startup problems for a while.

I would like to propose some in- person meetings.

First topic: a group lunch at a different type of restaurant in the late Spring or very early Summer. We could meet at the Chateau in Waltham for traditional food, or, there is a pretty good Chinese restaurant in Waltham that could handle a group of up to about 20 people in mid-afternoon. At that time of year, the days are long enough that a 3 PM meal would still have people home before dark.

Second Topic: One of our museum volunteers, Roger Wiegand, is a very skilled woodworker. Some people may be aware that he has restored an antique Fairgrounds Organ, and displays it at the

Steampunk Festival, among other places. Now he and some other friends are building a group of pipe organs. Pipe organ building is *precision* woodworking. I was surprised to learn that he is doing all the cutting, even of small parts, with a 10 inch table saw. He has offered to give a talk on this, but wants to give the talk in his shop in the barn behind his house in Wayland. With our low turnout at meetings, I do not want to schedule a talk and only have 4 people show up. So, people who are interested in this topic, please contact me, at my email address. If we get more than about 6 or 8 people interested, I will approach Roger.

Third Topic: Howard Gorin has negotiated a donation of my 1903 Universal Milling Machine to the Charles River Museum. I was over there last week, and found a space for it. I will take about a month for the rigger to be available to move it, and another month or so to get it installed, and some minor repairs made. After then, I will give a talk on "What you can do on a Universal Milling Machine that you can't do on a Bridgeport. That talk will be at the Museum, probably in late March or early April, and will feature a live demonstration of a 1903 machine took in action.

Members are invited to make suggestions for in-person meetings. Help with the meetings would always be appreciated.



From the Editor's
Desk
Bob Timmerman

Dick Boucher has retired as modelmaking correspondent. Here is his retirement email:

Bob, I am sorry but I am not going to be able to be contributing to the Gazette any longer. Age and some non life threatening health problems like my

knees being full of arthritis have kept me from spending a lot of time in the shop (and just spending the day on U-Tube in a chair) as in I haven't done any serious machine work in the last two months and am seriously thinking about starting to move some of the machines like the Hardinge chucker and the 10 EE on to new owners. Sorry. Dick B.

[Editor note: If Dick is willing to send his Hardinge Chucker and Monarch 10EE to new owners, he must be thinking seriously about retiring.]

As Editor, I have enjoyed having a monthly column to print. I am looking for someone else to write a monthly column. It does not have to be about modelmaking. If somebody wants to do a column on 3D printing, or a similar topic, I will run it.

We do have one article from Steve Earle, and a question from a man in Canada about lubrication on an Ames vertical milling machine, which was repeated from last month due to poor distribution of the Gazette. If anybody can help this gentleman out, please email him. I will include his email address with his question.

We sometime get complaints from members that a NEMES event conflicts with some other event. Usually, we do not even know about the other event. Please let me know of other events, and I will publish such details as I have in the Gazette.

Date of 2025 NEMES Model Engineering Show

The 2025 NEMES Model Engineering Show will be on March 15, 2025. This is later than we wanted, but the first two weekends in March were taken.

Date of 2026 NEMES Model Engineering Show

We have reserved the first weekend in March, 2026 for the NEMES Model Engineering Show. This puts

the show out of the way of big snowstorms, which usually come in February.

Upcoming Events

I have been receiving notices from the Owls Head Museum up in Maine. Keep an eye on their website as well.

Equipment Free/for Sale

I am downsizing my shop, and have two items on this list this month, with more to follow:

National Cylinder Gas "Sureweld" arc welder.

This looks like a rebadged Miller "Thunderbolt". This is about 50 years old, still works, but is AC only; it will not run a 6010 rod, but will run a 6011 rod very well. I am selling this to NEMES members for \$45 (it will be 55 on Craig's List. If you want a power cable, I can sell you a length of 4 conductor # 6 for \$15 (\$20 on Craig's List). This is about what I would get at the scrapyard. I used this for my theater lighting work, so it is 4 conductor (2 hot wires, neutral, and ground), while the welder only needs 3 conductors, 2 hot + ground. You will have to change some plugs to match the plug on the welder.

Workbench Material

I am giving away some old maple bowling alley wood that Howard Gorin and I salvaged.

This is made up of strips of rock maple, roughly 3" wide x 1" thick, set on edge, so the overall thickness is about 3". The width of the slabs is about 3 feet, x 8 feet to 10 feet long. I have about 6 of them, but will need some help getting access to them. Here is a picture of a bench I made out of one such slab, after I cleaned off the old varnish and slapped on a coat of urethane.



This raw material is in my cellar, free for the taking. There is some stuff stored on top of the slabs, and the slabs are heavy, so two people will be needed to pick up the material, both to move the stuff on top of the slabs, and to handle the slabs.

Question on Ames milling machine

Andrew Batory <abatory@gmail.com>
to editor

Hello,

I hope you recognize by the subject line that this email is about an AMES milling machine and it is not spam.

I have two AMES milling machines; one is a vertical mill and the other horizontal. I am hoping you can help me out with a question I have about the vertical mill. Perhaps you can pose the question at one of your monthly meetings or put the question in your newsletter. I sure would appreciate it.

Here is a photo of my modest machine shop/corner showing the vertical mill. The other photo is regarding my question. The photo shows the top of the mill spindle housing. There is a screw. The screw can only be meant for lubrication. The question I have is what kind of lubrication - grease

or oil and maybe the kind? I unscrewed the screw. You can see the roller bearing housing and the inside is completely dry, so no clue if it is oil or grease. For sure I will not run it that way.

My workshop is pretty small and basic but almost all of it is good quality - mostly British and American, some German and Austrian, a bit of import. The AMES mill was made in Waltham, Massachusetts, I would think sometime in the 1920's through 1940's. Horizontal ones come up for sale on ebay every once in a while. I've only ever seen one vertical one and I bought it.

Can you please acknowledge that you read my email, otherwise I will send you a letter by post (Canada Post is on strike!).

Thanks,
Andrew Batory

Andrew's email is at the top of his letter. Reply directly to him so he has an answer, and cc me so I can put your answer in the files.

He encloses two pictures:



The first one is his shop, with his Ames mills, and Myford lathe:



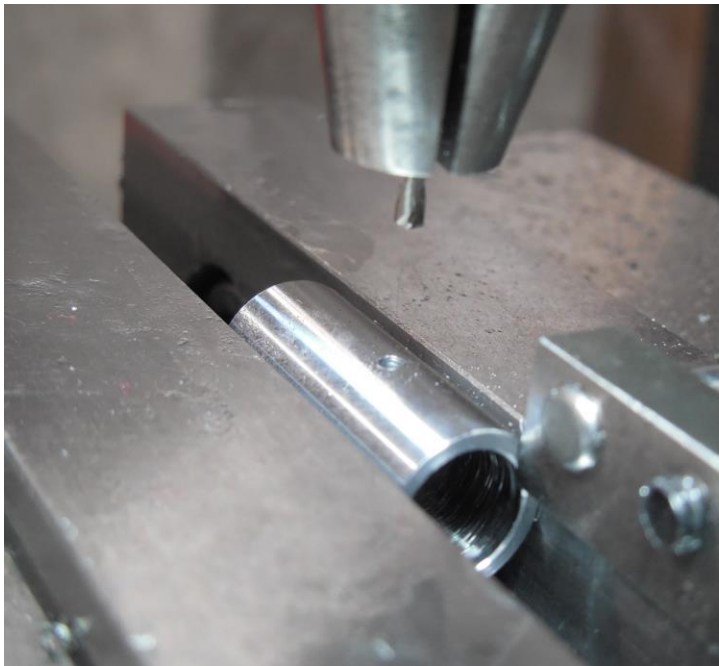
The second is the screw in question. Is it for oil or grease?

A Quick one

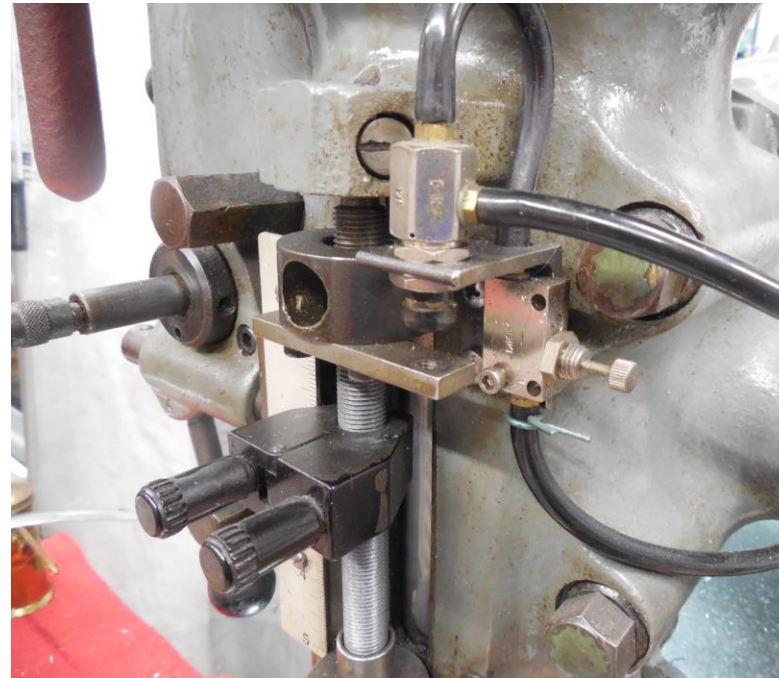
Steve Earle

This is just a simple little job, really, but a couple things make it slightly different.

The part is a rifle firing pin bushing, and I needed to make about 500 of them, so even manual operations need to be fairly quick. This specific operation is drilling a .070 (#50) hole thru one side. Location is not hyper-critical, mostly the hole just needs to be there. It's a vent hole for safe release of gas, in case of a primer puncture.



to the left along the parallel, and it lands right in the box where it needs to go.

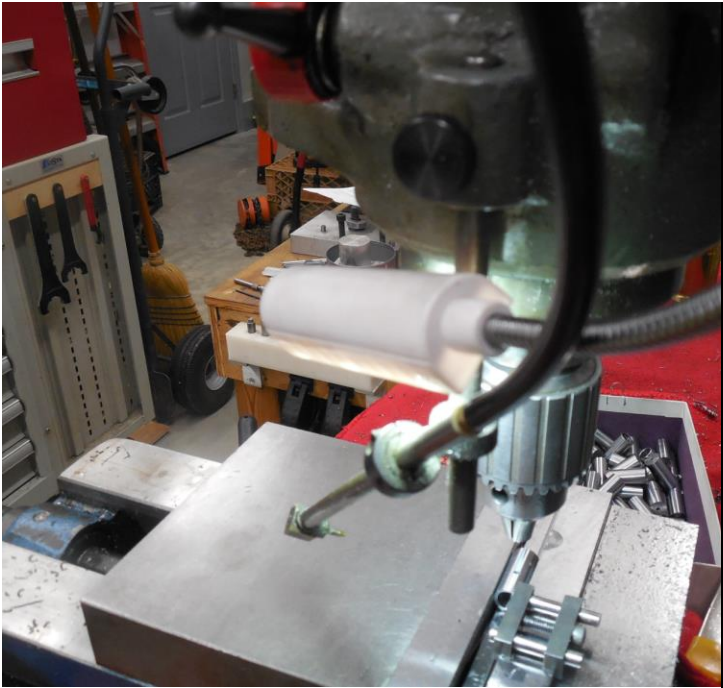


First note is how short the drill is being held. In normal life, we've been taught to never grip a drill by the flutes. But in this case, it avoids a center or spot drill operation, which would be needed if the drill was held "correctly". And using a split-point drill minimizes any wobble when starting the hole, as long as it's started gently. Of course the quill stop is set so that the chuck jaws don't hit the part.

Finally, something I rigged up years ago which occasionally comes in handy, is the pseudo-automatic little air blast. Fairly self-explanatory from the pictures. Full retract of the quill, runs the aluminum plate up against a little push-button air valve, feeding a needle valve for adjustment. The air squirts out from an adjustable-position barb fitting, through a 1/4" brass tube. It gets rotated/slid/angled until it points at the right spot. In use, this saves the need to pick up an air gun to get chips away, which saves time!



Second thing, and quite dumb actually, is the location of the box for the drilled parts. I'm not even picking the part out of the vise jaws – just flicking it



Zoom Meeting Link

The meeting link is in the blue box. You can just barely see Zoom meetings. You have to push both "control", and click your mouse to follow the link.

Meeting ID: 620 919 9191

Passcode: 4F5F4b

One tap mobile

+13052241968,,6209199191#,,,,*676622# US

+13092053325,,6209199191#,,,,*676622# US



Push control key and click mouse to follow link in blue box.