

Established 1987

First Woodturning Club in New England, AAW #26

**Next Meeting
June 1st 2017
6:30 PM**

**Learn N Turn
Richard Hunt
TBD
Demonstration
Ron Poliot
Pepper mills.**

President's Message May, 2017

I got nothin! After about thirty President's Letters over the past 2.5 years I think I have finally run out of things to write about. Time for some free association.



Between multiple trips to Maryland, trying to revive a lawn that was destroyed by last year's drought, and riding my bicycle, I was not in my shop for over three weeks. It's amazing what sitting with a cup of coffee surrounded by wood, gouges, and machines can do for the human spirit.

My son-in-law has a small shop in his basement. He has an air compressor made by California Air. It only produces 65db when charging. Looks like that may very well be my next purchase. Anyone interested in a Craftsman 12-gallon air compressor?

Congratulations to Reid, Mike, and Rick for taking home ribbons at Totally Turning. I suspect that other clubs are starting to wish that CNEW members would take a year off from attending.

The Annapolis woodturning club is looking for a place of their own. Sound familiar?

What the hell is Drew Pomeranz doing in the major leagues?

Annapolis harbor has parking meters for boats. I told Todd this and he said that it was not unusual. I learn something new every day.

Thanks to Todd for harvesting the Red Maple burls from the Wakefield estate. I hope a lot of folks got some. I picked up a couple of pieces but they will have to wait until the fall. (see paragraph 2).

I have missed you guys at the last two meetings. Hopefully I will not miss any more meetings this year.

That's it. I have nothing else.

Be Well, *Joe*

Inside this issue:

Meeting Minutes And show'n tell	2, 3
Free Wheelchair Mission	4
Brenden Stemp Turning w ith Epoxy resin	5, 6, 7
AAW Policy initiative	8, 9
Officers Membership Application	10

Minutes May 4th, 2017 Meeting

Mike Smith, Secretary

President: Standing in for Joe McGill was VP Steve Reznek
Treasurer: Report, read and accepted
Attendance: 35 +/- members and 4 guests.

Meeting called to order at 6:30 pm.

Discussions:

- Demo's for June and July. We will have demonstrators from A.R.T on both months. Make sure to attend as both demonstrators are excellent turners.
- Dogwood Days festival at the Mary Wakefield estate . June 10th and 11th. For more info contact V.P. Rick Angus.
- John Berke spoke about a new venture he is starting selling burls.
 - He will be up and running sometime late May early June. More to follow.
- Donating turnings to the Wheel Chair mission.
 - Please bring any donations to the June meeting.

Meeting adjourned to show and tell at 6:52pm.



“Dom’s Demo”



“Show’n tell”

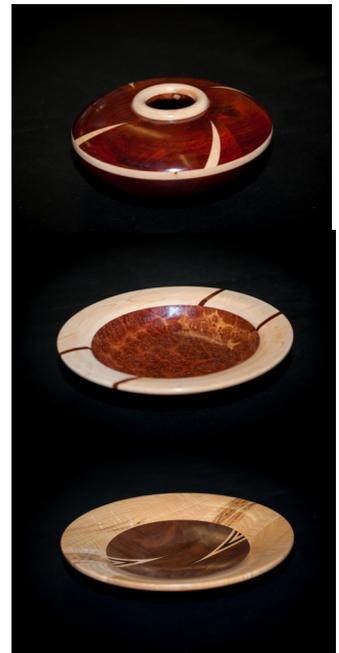
Richard Hunt



Bob Pacini



Mike Smith



Ralph Viscomi



Steve Reznek



Guillermo Madico



Bill Thiemke



Ross Farrugia

Dominic Ryan

Free Wheelchair Mission

It's that time of year at CNEW, time to donate a turned item to the Free Wheelchair Missions annual auction in California. If you are interested please bring a turned item to the next CNEW meeting to donate. If you need more time you can drop items off at my house at, 3 Forge Lane, Sutton MA. Please email, michaelpeters285@gmail.com or call me 617-212-1741 to schedule a drop off time. I will bring all donated Items to Charlie at the end of June.

The following is copied from <https://www.freewheelchairmission.org>:

Free Wheelchair Mission is a humanitarian, faith-based, nonprofit organization that provides wheelchairs at no cost to people with disabilities living in developing nations. In collaboration with a network of like-minded partners, FWM has been providing wheelchairs to those in need around the world since 2001, providing dignity, independence and hope through the gift of mobility.

With an estimated 100 million people around the world today in need of a wheelchair without the means to get one, FWM strives to distribute over 100,000 chairs annually, and continues to pursue our goal to distribute 1 million chairs by the end of 2017. Free Wheelchair Mission continues its focus and commitment on becoming a leading provider of mobility in developing nations, but beyond placing recipients in a chair, FWM is bringing transformation that opens doors to education, employment opportunities and community that these individuals only dreamed of before receiving the gift of mobility.

Why Wheelchairs? Wheelchairs provide mobility, and mobility changes everything. Mobility means independence, the ability to participate in society and earn a living. Mobility means dignity, leaving behind the days of living on the ground.



Epoxy resin with woodturning.

This episode looks at the basics of what type of resin to use, how to mix it and prevent the bubbles.

G'day and welcome to another new series of mine, This one I've called **Resin n' Wood**

I have been using resin with my woodturning for a number of years now and have explored a few ideas and these are some of the results. So with this series I wanted to share with you how I did these and the techniques I used to work with these two mediums. I will also look at some of the problems you may encounter.

- The different types of resin we can use
- Equipment needed
- What we can use for molds
- Mixing the resin
- Some things to avoid

First, what type of resin to choose.

There are only 3 types of resin to choose from:

- Polyurethane
 - ⇒ cures within 15-20 mins but has a very short pot life of about 2 min.
 - ⇒ inferior in clarity to the Epoxy.
- Polyester
 - ⇒ Less expensive than Epoxy
 - ⇒ unpleasant smell that lingers long after the resin has cured
 - ⇒ It doesn't adhere to timber as well as Epoxy
 - ⇒ severe skin irritant
- Epoxy
 - ⇒ It is crystal clear
 - ⇒ It has a good pot life, that is a long working time before it starts to cure
 - ⇒ It adheres to timber better than the other two types of resin.

Now I use, almost solely, Epoxy resin, Solid Cast 606, which is an Epoxy Casting resin.

Equipment needed (the mold).

A mold is needed to contain the resin and I use the principle that if it can hold water it will hold resin. Some of my molds have been plastic bowls, cups or soft drink cans. My pepper grinders were molded up in a PVC pipe. To seal the end I used a piece of timber which not only acted as a plug but also formed the bottom of the grinder.

Other equipment needed includes

- a mixing jug, which could be plastic, glass ceramic or it could be an recycled can.
- Gloves, try to avoid skin contact.
- Mixing sticks. These should be flat not a dowel so there is enough action created when stirring to mix the 2 parts together.
- I have some scales here because this 606 needs to be mixed 3:1 by weight. Read the instructions, varies from brand to brand.
- I have masking tape to tape up any cracks. But don't try to do this once there is a leak because the tape will not stick to anything that has a coating of resin on it.
- You may need a release agent, I use petroleum jelly which I just wipe on to my mold with a rag.
- And the last thing you need is some patience. When mixing resin, those that pour and stir their resin slowly, patiently avoid the dreaded bubbles.

The mixing process

1. Remember what I said earlier on about reading the instructions about mixing ratio. Too little hardener and your mix may never set or cure. Too much and you may end up with a bubbling frothy mess from too much heat being generated. What is important to remember with resin is that there is a catalytic reaction created when the A and B are mixed together which creates heat. Too much hardener creates excessive heat which boils the resin and ruins it. The ambient temperature can also impact on curing. If the temp in your workshop is too low then there is a good chance the resin won't cure. In this case there may be a need to take the project into a warmer room. I tend to be avoiding the other extreme, temp that are too warm. On really warm days I simply don't mix resin.
2. I tend to pour B first and then multiply the quantity by 4 to get my final weight. So, mixing jug on scales, zero scales and start pouring. Now, when pouring A or B make sure you pour it slowly so that you avoid the resin folding in on itself. This is when air is trapped and bubbles created. Another technique I use is to pour the resin down onto the mixing stick which helps prevent the resin folding in on itself.
3. Once B is poured Part A goes in. It can be done the other way around, it doesn't matter which goes in first. Pour carefully.
4. I now have to stir the mixture and if this is also done slowly then I won't fold the mixture in on itself and I won't create bubbles.
5. I have to stir it thoroughly and you can see that initially there is an obvious swirl to it. When this has gone we can stop stirring. I need to make sure that I also scrape around the edges and down the bottom to make sure there is none of either component left unmixed with the other.

Now that I have finished the mixing I am ready to pour it into my mold. This is another time bubbles can be introduced so pour slowly and this won't happen

How to calculate the quantity needed: I use a few techniques

1. I can use some math and calculate volume which will give me a close idea of quantity needed.
2. I could use some rice

But sometimes its difficult to calculate the volume because I am embedding objects so I do more than one pour. In other word I do the first pour which will be less than I need and let it cure over night and then do a top up pour the following day. Providing this 2nd pour is done with 24 hours of the first it will chemically adhere to the first and you won't see lines between the two layers.

I do this regularly with my grinders.

Another way I overcome this issue is to have a second project ready and pour any excess into it.

The final issue I would like to address deals with the problems you can face when you have a large mass of resin. Remember that the catalytic reaction created when A and B are mixed together creates heat and if you have a large mass of resin then the heat tends to feed of itself, creates more heat and before you know it the resin becomes extremely hot, bubbles and froths and ruins the mix. Its called exotherm.

If I were to mix $\frac{1}{2}$ kg of resin in this mixing jug and leave it to cure I'm sure the exotherm would ruin the mix and perhaps the melt the jug. With my grinders I need 600gms of resin so I overcome exotherm by doing 3 things:

1. I do 2 pours
2. I break the mass up with gumnuts
3. I only mix resin when the ambient temperature allows it. As a guide I would suggest that an ambient temp of anything below 28C (80F) would be safe.

The problem is that there are too many variables to be give you any hard and fast rules so if in doubt err on the side of caution, mix less than you think you need and then do a 2nd pour.

Brendan Stemp, January 21st, 2014 (Edited for CNEW NewsLetter by Paul Occhipinti)



<https://www.youtube.com/user/BrendanStemp>



Hello Joseph:

The AAW and Board value your chapter's continued collaboration and support.

In the spirit of sharing, this Chapter Bulletin is intended to notify you and your chapter about two important AAW policy initiatives: a) a policy on fractal burning (also known as "Lichtenberg Burning"), which advocates safety and helps to protect lives, and, b) a revised AAW Privacy Policy to clarify sharing AAW membership information with chapter officers is authorized for AAW business purposes. We also request your support to recruit reviewers for Video Source and are happy to announce the city for the 2019 Symposium.

POLICY ON FRACTAL BURNING

The AAW has always been a faithful advocate for woodturning safety. Recently, the subject of fractal burning has been in the news because of another tragic death.

The AAW Safety Committee has studied the issue and concluded there may be a distinct influencing benefit in adopting a policy against the use of Fractal Burning and publicizing it immediately to chapters and members. As a result, it was recommended that the AAW Board adopt a new policy against the practice, which was unanimously approved on May 17, 2017. The new policy is as follows:

It is the policy of the American Association of Woodturners (AAW) that the process known as Fractal Burning is prohibited from being used in any AAW-sponsored events, including regional and national symposia, and that AAW-chartered chapters are strongly urged to refrain from demonstrating or featuring the process in chapter events. Further, the process of Fractal Burning shall not be featured in any written or online AAW publication, except for within articles that warn against its use. AAW publications will not accept advertisements for any products or supplies directly related to the process.

Additionally, the Safety Committee recommended that an article be published in the August 2017 issue of American Woodturner to highlight the dangers of the practice and publicize the new AAW policy.

AAW PRIVACY POLICY

In April 2017, the AAW Board discussed the existing AAW Privacy Policy and the benefit to clarify the meaning of "AAW business only" to include exchange of member information with chapter officers for authorized activities that mutually benefit members, chapters, and the AAW. For instance, the AAW Vision 2020 strategic plan envisions greater involvement in collaborative recruiting initiatives. The revised AAW Privacy Policy was unanimously approved on May 17, 2017 is as follows:

The American Association of Woodturners (AAW) will use any personal information provided by or about its membership for AAW business only. This includes names, addresses, phone numbers, and email addresses. Any use of this information will be limited to activities directly sponsored by or related to the American Association of Woodturners, including activities by officers of its chartered local chapters when directly related to authorized AAW business. Personal information will never be loaned, sold, or provided to any other party for any other purpose. This revised policy will be integrated into all appropriate documents.

The revised policy allows local chapter officers to use AAW member personal information in support of activities that are specifically authorized by the AAW and its Board. Furthermore, chapter officers will be in violation of the AAW Privacy Policy if they use information obtained in any other manner or by disclosing that information to any third parties.

VIDEO SOURCE: BE A VIDEO CRITIC

The AAW Communications Committee needs volunteers to help quality screen woodturning videos submitted for Video Source. This is a key step in the process to ensure that the Video Source contains plenty of five-star material. Videos range from a couple of minutes to nearly an hour in length, and come from well-known turners, as well as ordinary folks who want to share what they have learned. Each volunteer reviewer will screen 10 to 20 videos. If you or one of your chapter members is up for some non-Netflix binge-watching, toss a fresh bag of popcorn in the microwave and contact David Heim, the Communications Committee chair, at davidheim1@comcast.net.

2019 AAW SYMPOSIUM

The Board is pleased to announce that the 2019 AAW Symposium will be held in Raleigh, North Carolina. Known as the "City of Oaks" for its many oak trees in the heart of the city, Raleigh is an energetic capital city that offers an affordable way to enjoy history, culture, and the outdoors. Learn more about Raleigh. Additional details will be provided at a later date. We look forward to seeing you in Raleigh! Stay tuned for announcements coming this summer about the 2020 and 2021 host city selections.

We value your continued support. If you have questions or need assistance, please contact us at 877-595-9094 (toll free), Monday through Friday, from 8:30 a.m., to 4:30 p.m. CST.

Yours respectfully,

Phil McDonald

Central New England Woodturners

A Chapter of the American Association of Woodturners



Officers for 2017

- President:** Joe McGill , Sudbury, MA 978-443-5322, joemcgill96@gmail.com
- External VP:** Rick Angus, Moosup, CT 860-564-3660, rick.angus@gmail.com
- Internal VP:** Steve Reznek, Concord MA 978-287-4821, stevenreznek@gmail.com
- Treasurer:** Todd Heino, Natick MA 508-736-1117, tvheino@comcast.net
- Secretary:** Mike Smith, Hopkinton MA 508-435-4715, whitehallwt@verizon.net
- Newsletter Editor:** Paul Occhipinti, Princeton, MA. 774+641+7301, pocchipinti@missione4.com
- Photographer:** Fraser MacMannis, Mendon, MA. 508-244-2707 fmacmannis@gmail.com
- Librarian:** Roger Boisvert, Fitchburg, MA. 978-852-2636, rogerboisvert48@gmail.com
- Project Goodwill Coord:** Charlie Croteau, Worcester MA 508-756-2049, cpcroteau@verizon.net
- Woodturning Sales:** Reid Gilmore, Upton MA 508-603-1248, reid.gilmore@umassmed.edu
- Learn 'N Turn Coord:** Richard Hunt, Auburn MA 508-832-4425, rhrghunt@gmail.com
- Videographer:** Bob Pacini, Holliston, MA 508-429-7759, rpcpo78@msn.com
- Club Store Manager:** Kevin Nee, W. Boylston MA 508-835-4301, kpni@charter.net
- Big Name Demo Coord:** Rick Angus, Moosup, CT 860-564-3660, rick.angus@gmail.com
- Club Project Coord:** Steve Reznek, Concord MA 978-287-4821, stevenreznek@gmail.com
- Membership:** Ralph Viscomi, Boylston, MA. 617-513-1680, rviscomi1@verizon.net
- Webmaster:** Dominic Ryan, Littleton, Ma. 617-347-1383, m.dominic.ryan@gmail.com



Membership

To join or renew membership, please complete the form below and a check made payable to CNEW and bring it to a CNEW meeting, or pay online at the CNEW website under "join/renew" or mail to: Treasurer, Central New England Woodturners
c/o Todd Heino, 148 Howe St, Natick, MA 01760

Membership Application

To join or renew membership, please complete this form and a check made payable to CNEW and bring it to a CNEW meeting or mail it to:

Treasurer, Central New England Woodturners

c/o Todd Heino
148 Howe Street
Natick, MA 01760

Annual dues: \$40 including e-mail delivery of newsletter

Name: _____

Street: _____

City: _____

State: _____ & Zip: _____

e-Mail: _____

Telephone number _____

Please let us know of your interests:

How long have you been turning? _____

What programs would you like to see at meetings? _____

Would you like to demonstrate at a meeting? Yes/No If so, what topics do you offer? _____

Please check appropriately below

New Member

Returning Member

e-Mail Newsletter (\$40.00)