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# AS THE WOOD TURNS

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April, 2019

ISSUE 253

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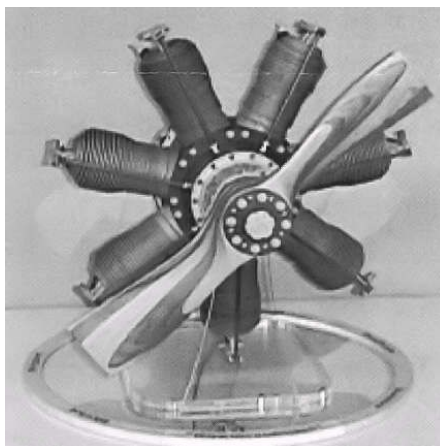
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## In MEMORIAM

Mal Partridge, former MSSW secretary and newsletter author passed away peacefully recently in Braintree. He was 96 years old. A member of the Massachusetts South Shore Woodturners almost since it's beginning in 1997, Mal was a major contributor to the club. He instituted the club newsletter publishing text and photos of monthly meetings at the shops of different members (before Hank's Dust Bowl became the official location) with "Hands On" demos, "How To Projects" and Show & Tell. The club was an early member of the American Association of Woodturners and early on through Mal's efforts decided to enter the AAW Challenge competition for the 1999 meeting (which did not come to pass until the following year for the June 2000 event. Through observing an original SOPWITH CAMEL aircraft on his computer, Mal was impressed with it's GNOME rotary engine movement and it's similarity to



turning wood on a lathe. The aircraft engine's cylinders rotated while it's pistons and crankshaft were stationary. Mal convinced club members that the group had the wherewithal to make the 400 parts for a half scale replica of the motor. He learned that a retired rear admiral,



Wooden replica of the GNOME rotary engine.

## Next Meeting

**Tuesday, April 22, 2019**

@ Hank's dust bowl, 409 Washington St., Abington MA @ 7PM

### Refreshments

Charlie McCarthy

### Demo

Resin Application, Stabilizing, etc.  
By Steve Wiseman

## NEW MEMBERS

William Rogers, Middleboro

## VISITORS

Taylor Smith, Weymouth

## UPCOMING EVENTS

### CLUB MEETING

Tuesday, April 22, 2019  
Hank's Dust Bowl @ 7:00PM

### DEMO DAY

Saturday, April 20, 2019  
From 8:30 am until 4:00 pm. We will have six demonstrators one hour each. Coffee, donuts and lunch are included. It is \$35.00 for the day. There will be raffle items including \$400 worth of gift certificates from Craft Supply. Demonstrators include;

- ◆ Ian doing ring and jewelry bowls -spindle and faceplate turning,
- ◆ Pablo will present a demo on piercing and finials.
- ◆ Wayne will demonstrate segmenting.
- ◆ Charlie will present goblet embellishments, pyrography and basket illusions
- ◆ Kevin will present finishes and mixing colors.
- ◆ Steve will present bowl turning.

### Second Parish 63rd Annual Arts Festival

May 2—12th  
Hingham, MA  
Contact: Sandi Smith  
@ (781) 749-1671

Lauren McCready had done a thesis on plans for the Gnome engine and lived in Rhode Island. Mal drove down to see him and found him out back outside. He introduced himself and informed McCready of the club's intent to recreate the engine as a club project. McCready's reaction was to send Mal a detailed drawing of the Gnome engine's cross section from his article along with various photos of the engine. The result was the club entered a complete 50 % scale model into the AAW competition winning third place.



Replica of the RHODE ISLAND state capitol dome.

Of course the Gnome rotary engine wasn't the club's only AAW challenge. Despite a third place award, it was thought that we could do better. So for the June 2002 AAW symposium, the club decided to construct a scale model of the Rhode Island state capitol dome. Fourteen club members -again with Mal's considerable help put together a Chapter Collaborative Challenge which won first prize in the Technical category. It is on display today in the Rhode Island State House in Providence outside the senate chamber.

Mal instituted monthly challenge projects with the newsletter as well. One such project was a scratch awl. The metal shaft was a drill twist turned around and inserted into a turned wooden handle leaving the smooth end exposed. It was supported by a brass feral from the local plumbing supply which was shaped to fit onto the end of the wooden handle.. Usually plans or their source were included with the challenge. If members elected to take on the challenge, they usually learned new ways to solve problems that invariably arose in completing the task. They were good learning tools.

Mal had a sense of humor also and he liked puns. You never knew what the headline on the next newsletter would be Some samples;

***"We got a belt out of seeing the antique lathes at Holly Hill Farm"*** (belt driven) - November 2006

***"We wish yew a Merry Christmas"*** -December 2006

***"Well I'll be Bedan"*** -August 2007

***"Take your Pick"*** (with four photos of toothpick holders, the month's challenge) February 2008

***"We're having a party - wood you please come?"*** -December 2001

All vintage Mal.

Mal was an active member of the club until failing eye sight and other health issues forced him to step down as club secretary in 2010. He continued to produce the newsletter until the end of that year. He nevertheless followed along on club meetings and activities from home with his wife Gloria.

# MINUTES

*These are the minutes of the monthly meeting of the MASSACHUSETTS SOUTH SHORE WOODTURNERS, held March 26th, 2019 at Hank's Dust Bowl, 409 Washington Street, Abington*

- ◆ Carl Albro is having a chainsaw party on a fallen elm tree. If interested, contact him at 781-710-5518
- ◆ Steve announced that the club is outgrowing it's email account. We are now using "Google Groups".
- ◆ Marshfield Fair update- the event is from August 16th through the 25th. for 10 days. Hours are noon until 11:00 pm. Manning our booth would be from 3:00 - 9:00 on weekdays and noon until 9:00 on weekends. Vendors get passes for admission and parking. Our booth is next to the blacksmith in a 14 foot by 12 foot shed with two 20 amp circuits for lathes. The space is free, we can sell with no portion going to the fair. The merchandise would be inside the shed which can be closed and locked up at night. The shed could also be moved to another location if needed. This would be a great opportunity to sell our lower priced items. We would probably need three people in the booth during exhibit hours. A sign up sheet was provided and you can see Steve if interested in participating.
- ◆ You should be an AAW member if you are turning at an event to be covered by insurance.
- ◆ The club has been accepted for the South Shore Arts festival again this year for Father's Day weekend.
- ◆ Demo Day- Saturday April 20th 8:30 am until 4:00 pm. \$35.00 payable at the door. We will have coffee and donuts in the morning and lunch is included. There will be raffle items including \$400 worth of gift certificates from Craft Supply. Ian and Dan will operate the cameras.
- ◆ Steve asked, "Do we want to record our regular meeting demos?" The recordings will need to be edited, it was thought by Ian. He said the editing process could take twice to three times the recording time. It also should have private access by club members only.
- ◆ Face mask parts have come in except the batteries which are still in transit. The batteries can also be rebuilt.
- ◆ Steve proposed that the club make a \$100. donation to the AAW in Bernie Feinerman's name. The motion was voted on and carried by members.
- ◆ Kevin announced that the club has acquired three new members bringing us up to 70 now. Also he thanked Tim for getting the email running.
- ◆ John told us the club has \$2,223.67 on account
- ◆ Ron said the store has a full supply of items for sale to members. If you take an item when no one is there, please be sure to leave an IOU note.
- ◆ Lenny M said the library is fine and available to members as always.
- ◆ Mike Walker suggested we have a turning video to use at shows that demonstrate turning in some capacity to attendees.
- ◆ Steve announced that the Gateway club had started a challenge project that our group could utilize also. He told us that Lenny Langevin had turned a small box from ebony and challenged others to

## WHAT TO WEAR

### More from the Store

#### MSSW GEAR

Caps	\$15.00
Tee Shirts	\$16.00
2X Tee Shirts	\$18.00
Polo Shirt	\$27.00
2X Polo Shirt	\$29.00

## MEMBER STORE

### GLUES

Description	Price
2 oz. CA	\$4.50
2 OZ. Rubberized	\$6.00
8 oz. CA	\$13.00
16 oz. CA	\$23.00
2 oz. Accelerator (spray bottle)	\$3.50
8 oz. Accelerator Refill	\$5.75
2 oz. De-Bonder	\$3.25
4 oz. Epoxy	\$6.00
2 oz. Replacement Caps	\$0.50
Long nozzles	\$0.75
2 oz. Empty Bottles	\$0.75

### ANCHORSEAL

Description	Price
Large (approx. 1 gallon)	\$16.00
Medium (approx. 1/2 gallon)	\$9.00
Small (approx. 1 quart)	\$5.00

### SANDING DISKS

Description	Price
2"	\$3.50
3"	\$4.50
2" or 3" Replacement H&L	\$0.50
2" Holder	\$10.50
3" Holder	\$12.50
2" Blue Holder	\$14.50
3" Blue Holder	\$16.50
1/2" Soft Interface Pad Extension	\$5.50
3" Hany Sander	\$8.50
Sanding Taco	\$4.50
2" or 3" Hand Help Holder (Kidney Shape)	\$12.50
3" Lambswool Buff	\$9.00

make successively larger boxes to house it in. A sign up sheet was circulated and to date, there have been three other turned boxes increasingly larger turned to hold it, in fact 25 members have signed up. It was stipulated that new boxes be no more than 10% larger than the existing size. At the end of the challenge, participating members' names are

placed in a hat, a winner is drawn who gets to take the boxes home to keep.

- ◆ The meeting ended with a wood swap which netted \$12.00.

## DEMO

### *Epoxy Resins*

Resin- Stabilizing is done with a liquid under vacuum. This process removes the air and draws in the stabilizing compound into the wood. The heat of the process of the resin hardening also assists in this as well. While some stabilizing compounds have a nasty odor, this resin epoxy has a very low odor.

It is important to know that you should use this stabilizing compound on dry wood only, not on green or wet wood. You can use almost any epoxy for resin work. You will need containers to hold the object being stabilized with epoxy. Steve's pressure pot from Harbor Freight has a 2 1/2 gallon capacity and takes 55 pounds of pressure.

Hobby Lobby sells ALUMALITE epoxy for \$90 a gallon. Epoxy is not cheap. For the best results you should use a slow setting epoxy. For color, Steve uses Trans Tint liquid dye. A little goes a long way.

Three important factors to remember when doing this- The temperature affects the epoxy setting; the volume of the different parts can effect the end result; mix the ingredients together very thoroughly before using. Ken asked, "How do you mix it without getting bubbles?" Steve replied to mix it very slowly. Also make sure you have everything set up before you start. When you place the wood in a container and prior to adding the



Steve demonstrates the multiple kinds of epoxy resins , there uses and properties.



Steve shows us his 2 1/2 gallon paint pot, available from HARBOR FREIGHT.



Resin blank—the resin was even with the height of the wood blank. After applied pressure and curing, much of the resin is absorbed into the wood.



A resin blank, cured with a spunky piece of wood at its' core.

epoxy, remember that wood floats so it needs to be weighed down.

Epoxy is hard and brittle to turn. It dulls your tools. However cracks and depressions can be filled with regular 5 minute epoxy (remember to dye it first to match the existing color). You should also line the bottom of the container with newspaper otherwise there will be epoxy permanently attached to the bottom.

Lastly, never mix one kind or brand of epoxy with another. They are all different in their ingredients used and their respective mix ratios. You may experience a dangerous reaction.



A Christmas ornament with a center resin globe



The Christmas ornament broken into its' components.



Steve's resin demo, a blue colored resin and maple burl lidded box.



The resin globe, showing a hollow core and thin walls and a minimal use of resin.



a larger bowl with yellow colored resin filling the specific parts where the wood is absent.



The same bowl seen to the left but from a different angle.

# SHOW & TELL



Paul has a lidded box turned from cherry



Paul also showed us a nice small pear bowl again finished with Tung oil.



Ken L showed us a creative turning made from wood he obtained from David Rice. He turned it from the bottom to the neck (it was a half log). He did some band saw work on the neck and added a temporary black base. Ken mounted it onto the lathe between centers then at 200 rpm made thin cuts with a 1/4" bowl gouge. Sought and received commentary on the design from Andy Osborne. He then used acrylic paint to soak into the soft areas which were worm eaten, spalted maple.



Bob Monaghan holds a small black walnut plate in his right hand and a small black walnut bowl in his left hand. The latter is for his grand niece's tea party.



Bob showed us this holly bowl which shrunk



Bob showed us a second holly bowl, shown here



Bob's bowl of unknown wood.



Bob holds a large bowl started by Bernie which he turned and finished.

# Show & Tell

...Continued



Joe showed us a box elder urn which he used dyed epoxy to fill in the cracks. Inside he used Envirotex. He turned a burl lid which really doesn't go with the rest of the piece.



Peter Soltz holds a small cup turned from burl wood from Bob Sutter.



Peter has a mahogany bowl on which he used a WATCO oil natural finish then applied paste wax, removed it and buffed it.



Peter also has a black walnut bowl showing a generous amount of sapwood.



Sid Katz holds a small box turned by Lenny Langevin from some maple burl



Here we see a reclaimed damaged guitar Lenny rescued from a dumpster. He added a spalted maple top and added an inlay star on the bottom,. He turned the hole seen here and added little feet to the base. He also added new strings and used frets from the damaged part.



Len turned a spalted maple bowl pictured here.



Paul has a large bowl turned from wood purchased from a lumberyard. and finished with wipe on poly, 7 coats and buffed. He said he doesn't recognize the type of wood.

# Show & Tell

...Continued



Four boxes turned by Pablo who then cut threads for the lids to screw onto the bases. He told us the trick "-is to rotate the top backwards until you hear a click then wind the lid on". He said the male threads are harder to make than the female threads. He said there are 20 threads per inch as a rule of thumb.



Closer look at Pablo's screw top box



Closer look at Pablo's Box



Tim holds a coffee scoop he turned from a piece of spalted maple.



Another Box by Pablo



Fred also showed us a smaller maple bowl turned from Nigelwood which he used Yorkshire Grit on.



Fred holds a cherry bowl he turned with a bead. He sanded it to 600 grit



Joe has a mushroom shape elm burl.



Here Bob Monaghan has a natural edge bowl he turned from wood supplied by Glen Shaffer and finished with Johnsons Wax.