

# AS THE WOOD TURNS

January 2015 - Issue number 206 –January 27, 2015

Sorry to say we canceled MSSW meeting scheduled for January 27 because of snow. “Parking will be a problem with all the snow we have had, plus the temperature is due to go very low making the roads and walkways dangerous”.

Next “hands-on” is Saturday February 21, from 10-12 noon at Hank’s Dust Bowl. *We invite beginning turners to a learning opportunity at the Hands On for one on one instruction. Spindle or bowl turning techniques will be covered. Please reserve your lathe with David Rice at [dergas5@aol.com](mailto:dergas5@aol.com)*

## There was a Hands on January 17, 2015



## Extra “Hands-on” February 7

Saturday morning, February 7<sup>th</sup>, Ian and Nigel held a special Hands On meeting at Ian's shop on segmenting. It was a good turnout with 19 turners in attendance. The idea was to *show how easy it is to fabricate a segmented ring and discuss the process of making a segmented bowl. Those attending were supposed to get a chance to make a segmented ring of their own. Any member of the MSSW may attend and need only bring their interest, all materials will be provided*



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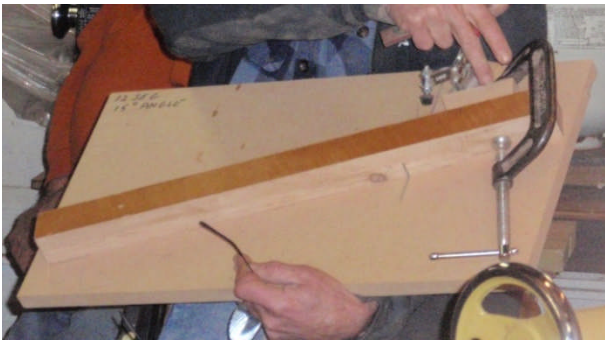


**Next Meeting - Thursday, February 24, 2015** - at Hank's dust bowl at 409 Washington St., Abington, MA at 7 pm

**Refreshments** – Lenny Mandeville

**Member Challenge** – make a segmented ring for use in a bowl

**Demo** - "Simply Segmenting" presented by Wayne Miller



Ian holds the sled he made prior to mounting it on his table saw to cut the segments for the rings



Ian also showed us an alternate sled



With the sled mounted on his table saw, Ian proceeded to cut out the segments for the first ring

Ian said that you can start in the middle or at either end of segments gluing them together before putting layer upon layer.



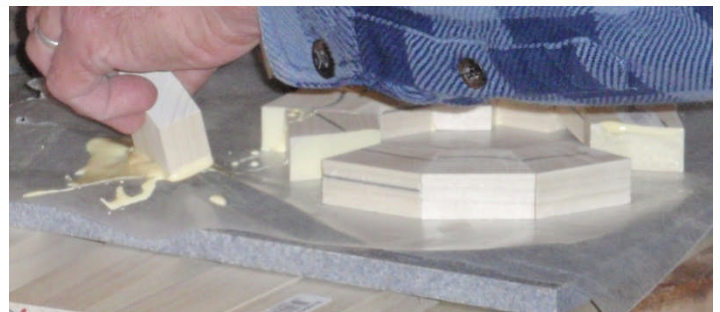
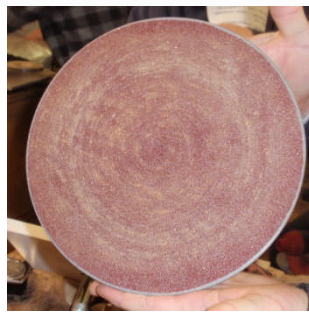
Ian showed us the sanding technique he uses to "knock the fur off each piece". Pictured is a piece of MDF with 60 grit sandpaper glued on. Ian recommends sanding in one direction only and to keep the piece flat to avoid rounding the edges.



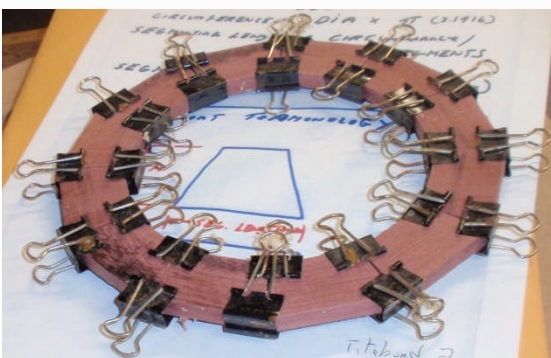
Ring of segments marked all on the same side and held together with a set of radiator hose clamps to check for daylight coming through prior to gluing them together.



Ian also has a wheel of MDF mounted onto a face plate that he can attach to the headstock on his lathe as an alternate sanding technique.



The actual glue up begins. Ian uses a dab on the side to apply to the appropriate sides. Note the wax paper it is mounted on the keep the excess away from everywhere else.



You are looking at a ring held in place by small clamps that is actually cut thinner than the rest of the segments.



Ian has mounted his glued up ring on the headstock of his lathe to true up the side. This is also an opportunity to adjust the thickness of the ring if necessary.



Ian proceeds to turn the side true.



Pictured is the 12" sanding block for sanding each segment to "remove the fuzz".



Nigel showed us a segment drawing with layers of rings in place prior to turning the finished shape of the segmented bowl on the lathe

The original stated plan for the workshop was "to show how easy it is to fabricate a segmented ring and discuss the process of making a segmented bowl. Those attending were supposed to get a chance to make a segmented ring of their own. Any member of the MSSW may attend and need only bring their interest, all materials will be provided".

Since so many people showed up (19) that there wasn't room for everyone to make a ring Ian revised the plan and did a segmenting demonstration. Ian had a box of extra segments from a previous project and invited those who wanted to make a ring to take segments home with them and bring them to the next meeting. Some took him up on his offer.

A list of Segmenting tips and links that Ian handed out a year, or more, ago:

#### Books and DVD's

The Art of Segmented Wood Turning -- Malcolm Tibbets

Lessons in segmented turning---Vol 1-5

Woodturning with Ray Allen -- Dale Nish

#### Websites and groups:

<http://www.segmentedwoodturners.org/> a AAW Chapter - online group dedicated to segmenting

<http://turnedwood.com/> Kevin Neeley's site - online tutorials and ideas

<http://www.segmentedturning.com/> Bill Kandler's site - lots of tips and tricks

[http://www.woodturningonline.com/Turning/segmented\\_turning/index.html](http://www.woodturningonline.com/Turning/segmented_turning/index.html) - among many other projects there is an entire section devoted to segmenting projects and how to articles

<http://www.gatewayturners.org/archives/category/tips-how-to-articles> has some useful articles on segmenting.

#### Software --

<http://woodturnerpro.com/> and also <http://www.segmentedturning.com/>

#### Wood-

Excellent source of holly and other woods and veneers- <http://www.domexhardwoods.com/>

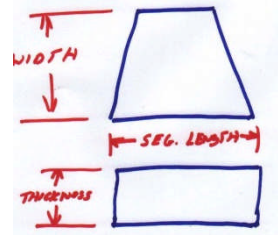
#### Some segmented math -

Circle has 360 degrees

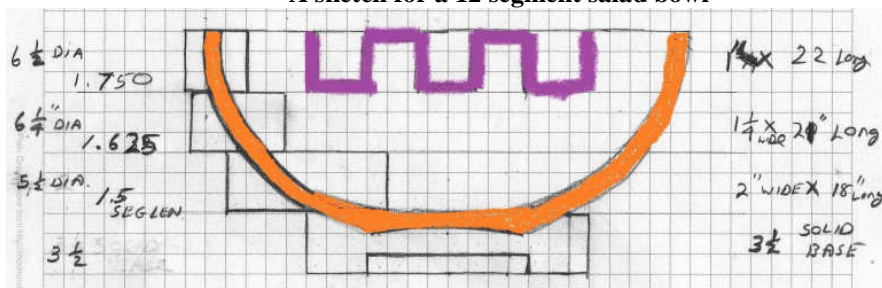
Circumference of a circle = diameter x 3.1416 (Pi)

Segmenting Length = circumference / # of segments

Segments cut angle + 360 degrees/2x # of segments



#### A sketch for a 12 segment salad bowl



## Segment Edge Length Estimation Table

Ring Diameter	Number of segments				
	6	8	12	16	24
1	9/16	7/16	¼	3/16	1/8
1.5	7/8	5/8	3/8	5/16	3/16
2	1 1/8	13/16	5/16	3/8	¼
2.5	1 7/16	1 1/16	11/16	½	5/16
3	1 ¾	1 ¼	13/16	5/8	3/8
3.5	2	1 7/16	15/16	11/16	7/16
4	2 5/16	1 11/16	1 1/16	13/16	½
4.5	2 5/8	1 7/8	1 3/16	7/8	9/16
5	2 7/8	2 1/16	1 5/16	1	11/16
5.5	3 3/16	2 ¼	1 ½	1 1/8	¾
6	3 7/16	2 ½	1 5/8	1 3/16	13/16
6.5	3 ¾	2 11/16	1 ¾	1 5/16	7/8
7	4 1/16	2 7/8	1 7/8	1 3/8	15/16
7.5	4 5/16	3 1/8	2	1 ½	1
8	4 5/8	3 5/16	2 1/8	1 9/16	1 1/16
8.5	4 15/16	3 ½	2 ¼	1 11/16	1 1/8
9	5 3/16	3 ¾	2 7/16	1 13/16	1 3/16
9.5	5 ½	3 15/16	2 9/16	1 7/8	1 ¼
10	5 ¾	4 1/8	2 11/16	2	1 5/16
10.5	6 1/16	4 3/8	2 13/16	2 1/16	1 3/8
11	6 3/8	4 9/16	2 15/16	2 3/16	1 7/16
11.5	6 5/8	4 ¾	3 1/16	2 5/16	1 ½
12	6 15/16	5	3 3/16	2 3/8	1 9/16
12.5	7 3/16	5 3/16	3 3/8	2 ½	1 5/8
13	7 ½	5 3/8	3 ½	2 9/16	1 11/16
13.5	7 13/16	5 9/16	3 5/8	2 11/16	1 ¾
14	8 1/16	5 13/16	3 ¾	2 13/16	1 13/16
14.5	8 3/8	6	3 7/8	2 7/8	1 15/16
15	8 11/16	6 3/16	4	3	2
15.5	8 15/16	8 7/16	4 1/8	3 1/16	2 1/16
16	9 ¼	6 5/8	4 5/16	3 3/16	2 1/8
16.5	9 ½	6 13/16	4 7/16	3 5/16	2 3/16
17	9 13/16	7 1/16	4 9/16	3 3/8	2 ¼
17.5	10 1/8	7 ¼	4 11/16	3 ½	2 5/16
18	10 3/8	7 7/16	4 13/16	3 9/16	2 3/8
18.5	10 11/16	7 11/16	4 15/16	3 11/16	2 7/16
19	11	7 7/8	5 1/16	3 ¾	2 ½
19.5	11 ¼	8 1/16	5 ¼	3 7/8	2 9/16
20	11 9/16	8 5/16	5 3/8	4	2 5/8

**2015 Dues are Due now** and can be paid by going online and using PayPal, or just bringing the \$40 fee payment to the next meeting and seeing Steve Wiseman.

### **Club Pittsburgh Symposium Project**

As you are aware, the AAW Symposium is held June 25th through 28th in Pittsburgh, Pa. So we need to become better organized on our club project if we intend to participate. So come to Tuesday's meeting prepared to become involved -or not...we will be discussing this. Please contact Andy Osborne prior to the February meeting at ([abeadeddragon@yahoo.com](mailto:abeadeddragon@yahoo.com), 781-254-1968) and leave your name, phone # and email address, if you are interested in working on the factory, steam locomotive or rail cars so that like interests can be matched.

The following elements need to be constructed for the project. To ensure that the elements fit together, both physically and visually the dimensions listed after each element should be used. The platform for the project is 30" W x 72" L, intended to fit on a standard sized table at the Symposium

#### Rail track

Ring for rail bed 28" o/s diameter, ring width 2-1/2"      Rails 1/8'-3/16" wide  
Distance between rails (inside edge to inside edge) 3/4"

#### Steam locomotive (1)

Length 8", Width 1-7/8", Height 2-7/8" (the smokestack can be up to 3-1/4"), Distance between wheels 3/4" (outside of wheel flange to outside of wheel flange)

#### Rail Cars

Box car, tanker, hopper, flat bed, caboose, other? (1 of each)

Length 5-7", Width 1-7/8", Height 2-7/8", Distance between wheels 3/4" (outside of wheel flange to outside of wheel flange). The visible contents of each of the cars should consist of raw materials or partially finished goods for manufacturing.

Trucks (4), Length 2-1/2"-3-1/2", height 2"

#### Factory building

18" wide x 24" deep. The longer side will run across the platform, i.e. the 30" dimension.

Height 15", two stories with peaked roof or three stories with flat roof.

Smokestack(s) (2) one can come through the roof of the building and the other or both can rise from the base, approx 20"-24" height. The interior upper story and at least a portion of the lower story should be visually open so that we can display Finished Products.

#### Factory L/hillside

Running from the left rear of the factory building along the rear of the platform will be either an extension of the factory or a hill through which the train will run from the factory building to exit along the far left edge of the platform. Length 10"-12" from side of factory, width 6", height to be compatible with factory building

LANDSCAPING, Largely yet to be designed. Anyone interested? Let us know.

Trees, 2"-12" high, width proportional to height.

#### Finished Products

Turned, carved, embellished items of all types, maximum dimensions are 1-1/2" x 1-1/2". These will be displayed inside the factory, on the conveyor belt, on the platform to the right of the factory and on the flatbed trucks. This will require dozens of items.

### Drive mechanism

1 or 2 cranks and drive shafts to power the movement of the train/rail and the conveyor belt.

Ideally two or three people would collaborate on the steam locomotive and different people would make each of the cars. Collaboration on the cars is certainly welcome. Trees and Finished Products (to be displayed on the platform and inside the factory) are contributed by many different club members.

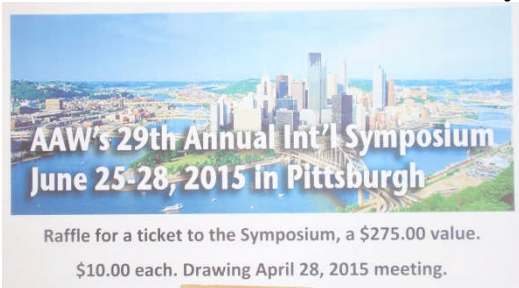
Please bring whatever you are working on, in process or complete, to the January club meeting. This will help to keep all of us in sync with what we are making. We are aiming to have the entire project complete by May for the June Symposium. Odd as it may seem at present, time is realistically short.

The goal is to have as many members of the club as may be interested participate in the Project. It is a collaborative project, after all. Make chips!

*Woodcraft of Walpole had an open House Saturday and Sunday (January 17, and 18). There were many Woodcraft instructors along with the Eastern Massachusetts Guild of Woodworkers. Steve Wiseman and Dave Rice were demonstrating Woodturning on Saturday. They had a small display of turnings and there was a lot of interest in their turnings.*

**Safety Suggestions** – the club is still looking for your safety suggestions. Winner for this year will be chosen at our year end potluck and receive a gift certificate for \$30.00

### **AAW Symposium raffle” for MSSW members:**



The winning raffle ticket will be drawn at the April meeting. Raffle tickets are available for \$10 each and you can buy as many as you want. 13 have been sold as of the meeting. The winner will get a check for \$325 which will equal the registration for the symposium in Pittsburgh, Pennsylvania. The winner of the raffle is not obliged to go to the Symposium. See Dave Rice for tickets.

### **Upcoming Events -**

**The show scheduled at the James Library, Norwell center - February 2015 did not take place.** It was first postponed a week because of all the snow and there being no place to park. The following week it was decided that since the snow had not let up, the show was rescheduled to September with the reception planned for Friday September 4, 2015. The show will run throughout the month of September 2015. Questions? Call Jeff at 781-878-4540 or 781-878-7310 or the James Library at 781-659-7100.

**Peabody Essex Museum** – On view February 21, 2015 to June 21, 2015 “**Audacious: The Fine Art of Wood from the Montalto Bohlen Collection** - -

Opening day on Saturday, February 21st. will feature demonstrations in the Atrium from 1:00 to 2:30 by Binh Pho (Painting & Piercing), Ron Gerton (Hollowing a Wood Vessel) and Stuart Mortimer (Triple Twist on a Stem)

**Maple Festival** - March 8th at the South Shore Natural Science Center, Norwell 11 – 4 pm . We will turn tops once again and have items for sale. Questions? Call Jeff at 781-878-4540 or 781-878-7310 .

The "**Totally Turning 2015**" craft show will again take place Saturday & Sunday March 28th and 29th in Saratoga Springs, New York at the Saratoga Hilton Hotel. It will be held concurrently with the Annual Woodworkers Showcase. Included are several demonstrators, an instant gallery where you can display your items and have them critiqued and a trade show with items for sale. You can visit their website and download registration forms at [www.totallyturning.com](http://www.totallyturning.com).

**Demo Day** is tentatively scheduled for mid April. We will discuss this further at the meeting. It will be the same format as the last two with three members demonstrating in the morning and three more demonstrating in the afternoon. The event is a club fundraiser to replace our ageing mini-lathes. It is \$30. for the day with lunch included. Nigel still is looking for a couple of volunteer turners. Contact him if interested please.

**Earth Day** - Sunday, May 3rd. 11 – 4 pm at the South Shore Natural Science Center, Norwell. We will turn tops and have items for sale. Questions? Call Jeff at 781-878-4540 or 781-878-7310 .

**Guild of New Hampshire Woodworkers** is holding its 8<sup>th</sup> Woodturning Symposium on May 9<sup>th</sup> , 2015 at the Pinkerton Academy in Derry, New Hampshire. <http://www.gnhw.org/> has some initial information about the upcoming Symposium.

**Items For sale at the Club store : – contact [stevwsmn@aol.com](mailto:stevwsmn@aol.com) Steve Wiseman**

**CA GLUE; THIN, MEDIUM and THICK All are the SAME PRICE**

2 Ounce \$4.00, 2 Ounce rubberized \$5.00, 8 Ounce \$12.00, 16 Ounce \$21.00

2 Ounce Accelerator Spray Bottle \$3.00, 8 Ounce Accelerator Refill \$5.00, 2 Ounce Debonder \$3.00  
\$.50, Long nozzles –package \$.75, 2 Ounce empty bottles \$.75, 2 Ounce replacement caps

**Epoxy** 4 Ounce \$5.00 **ANCHORSEAL** - 2 Liter \$15.00, 1 Liter \$8.00, ½ Liter \$4.00 **HATS** - \$15.00

**SANDING DISCS; 80 THROUGH 320 GRIT** - 2" \$2.50, 3" \$3.50

1" Disc Holder \$7.50, 2" Disc Holder \$8.50, 3" Disc Holder \$10.00

2" Blue Disc Holder \$12.00, 3" Blue Disc Holder \$14.00

½" Soft Pad Extension \$2.50, Hand Held Disc Holder \$11.00

Bottle Stoppers \$3.00, Bottle Stopper Chuck \$5.00

Tee Shirts \$16.00 \$2.00 More for 2X and larger Polo Shirts \$27.00 \$2.00 More for 2X and larger



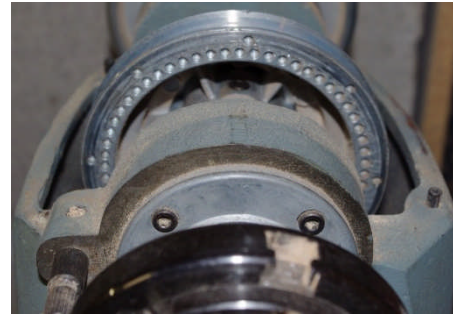
Assorted Maple? tool handle blanks



Pen blanks

**Delta lathe model No. 46-541P** for sale purchased new in 1994. It is a variable speed gap bed lathe with an indexing head. Comes with Nova chuck, drill chuck and other tooling. Capable of outboard turning and with a stand for a steady rest for outboard turning that can go with it.

Price: \$1200. Phone 508-669-5245. e-mail: [glenn@woodjoytools.com](mailto:glenn@woodjoytools.com)



*If you have any items sitting around that you no longer want, why not draw up a list and prepare some pictures that could be used in a forthcoming newsletter and on the club website? - items listed for sale in the newsletter or website will be reviewed after three months, or so, to determine if they should be removed or continued.*