



Minnesota WoodTurners Association

A LOCAL CHAPTER OF THE AMERICAN ASSOCIATION OF WOODTURNERS

AAW | AMERICAN ASSOCIATION
OF WOODTURNERS

Volume 2019 No 9



Seri Robinson

Remote Demo

Spalting



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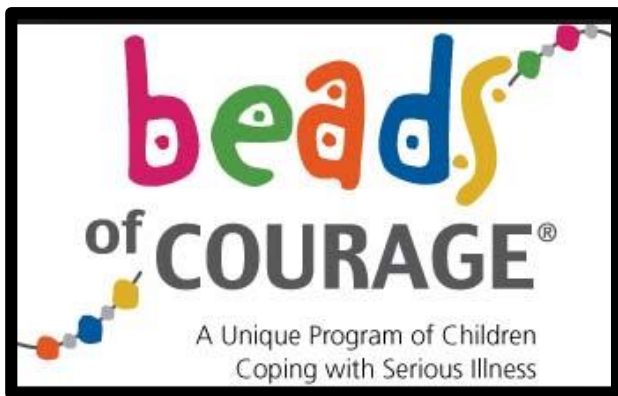


IMPORTANT ANNOUNCEMENT



Our club is extremely fortunate to have such a wonderful headquarters/meeting area. Probably no other woodturning organization has such a permanent, dedicated space for its exclusive use –*at NO COST*.

So we want to be exemplary guests. A major factor is: DO NOT ENTER ANY AREA BEYOND THE ENTRY, HALL TO RESTROOMS, FRONT ROOM (Beads of Courage, Sales, etc.) and MAIN MEETING ROOM. Do not be the cause for our losing this amazing asset for the club. If you observe someone who appears to be going beyond these boundaries, do the non-Minnesotan thing and IMMEDIATELY call them out and stop them!



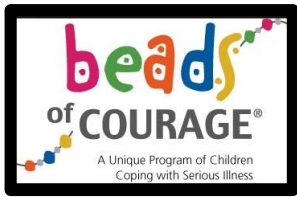
Diane and Bob Puetz direct this program for the Minnesota Woodturners Association.



Bob & Diane with daughter, Michelle, from Montana

Some of the BoC boxes donated by MWA members this month





Jim Jacobs is very generously contributing Beads of Courage kits. These are partially constructed and designed to be easily completed without an adjustable chuck by turners of any level.

Mike Rohrer's Beads of Courage box constructed from a Jim Jacobs kit. All members are encouraged to take a kit and be creative. It's a great way for turners not comfortable with making staved boxes to contribute to the Beads of Courage program.



After each delivery of bead bowls, a form is filled out and sent to BOC so they are aware of what is being donated to hospitals and children in the BOC Beads in the Mail program.

The following note from BOC is in response to the report of 12 bowls that were donated last week to Minneapolis North Memorial's NICU.

Hi Diane!

Thank you again so much for your kind donation! Your group is so very generous. Please pass along our sincere gratitude to all that contributed. I hope life is treating everyone well in the Minnesota!

Krista



KRISTA BURGBACHER, MS, CCLS
Certified Child Life Specialist, Program Manager
412-398-2410 (M) • Krista@BeadsofCourage.org

3230 N. Dodge Blvd., Suite J, Tucson, AZ 85716

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www.BeadsofCourage.org
a 501(c)3 tax-exempt organization



Instant Gallery



Instant Gallery (cont'd)



Lee Tourtelotte
- pistachio



Bill Breckon



Instant Gallery (cont'd)



Greg Just's State Fair Blue Ribbon winner. An amazing segmented piece.



Greg explaining how he made this wonder with 1368 pieces

Instant Gallery (cont'd)

Denny Dahlberg's 2nd
place State Fair
winner



Congratulations to
Greg and Denny!



Instant Gallery (cont'd)



Tom Sciple



Marc Paulson "Just For Fun"

Instant Gallery (cont'd)



Mike Rohrer – made
from Jim Jacobs’
Beads of Courage kit



Mike Rohrer – made with
Jim Jacobs’ Super Simple
Segmenting System

Instant Gallery (cont'd)

Mark Debe – from
“ancient” structural walnut



Instant Gallery (cont'd)



Bill Campbell

Seri Robinson appears to be looking at the Instant Gallery as she awaits the start of her demo

The "Instant Gallery" is one of the most popular aspects of the monthly meeting. Thanks to everyone who shares their work.



Before the Meeting



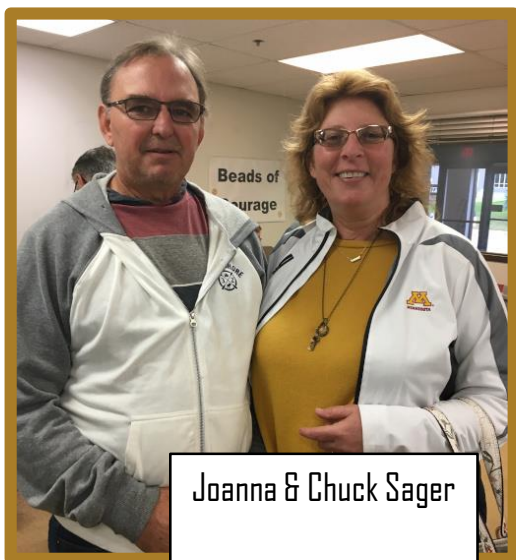
Ken Gustafson eagerly awaits another MWA meeting



Jeff Koltveit at the Woodcraft desk.
Bob is at the Beads of Courage area.



Tom Sciple selling tickets for the Tool & Wood Raffles



Joanna & Chuck Sager



Always a lot of activity in the front room before the meeting



Before the Meeting (cont'd)



Ryan Christopherson met Lee Tourtelotte at Woodcraft. Lee invited him to the meeting. He joined and is a new member!



Pres. Lee Luebke & Bob Fodness



Reid Zimmerman & Roy Estes



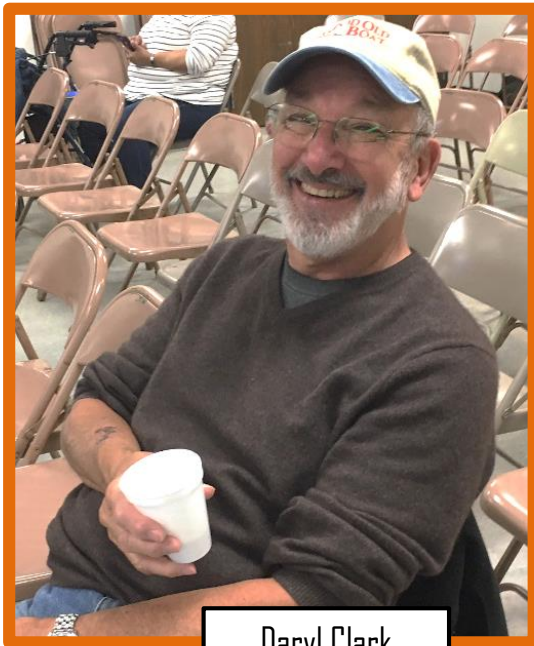
Coffee, donuts and good conversation



Mike Hunter & Warren Gerber have secured back-row seats



Before the Meeting (cont'd)



Daryl Clark



Lots of dental instruments available for intricate carving and Dr. Mike Rohrer handles the syringe with lots of experience



The room begins to fill



Doug Peterson & Will Johnson



Before the Meeting (cont'd)



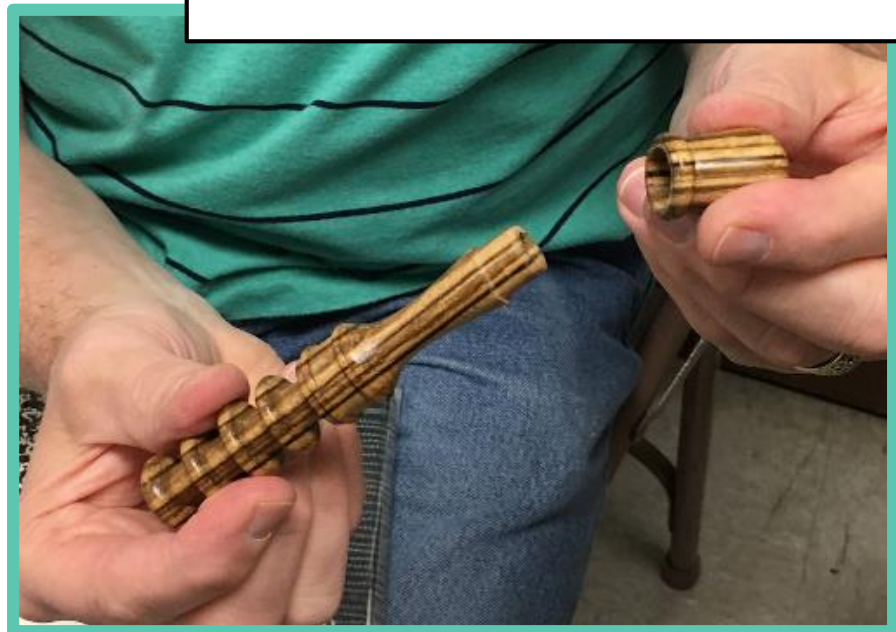
Gary Muilenberg, Trish and Dave George



Jay Schulz & Bill Campbell

Jay had bought a zebrawood "soldier's minder". These were used in the French Revolution and our Civil War (called a "soldier's friend"). Threads were wrapped around the bottom and the small covered box on top held needles and implements for clothing and equipment repair.

This was made by Wray Parsons. Website for Parsons (micro turning)
<https://www.sidestreetstudio.com/collections/wray-parsons>



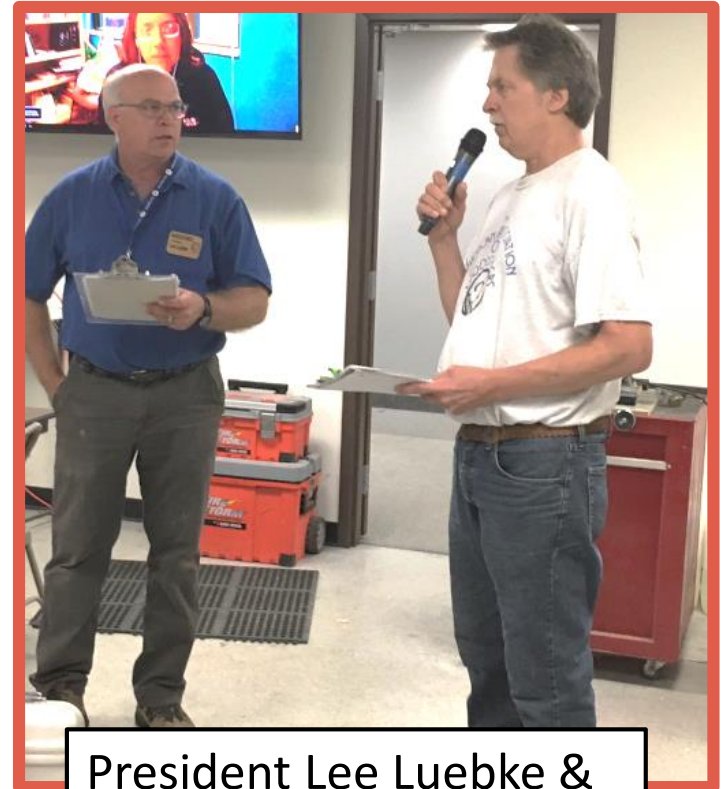
Announcements

Jim Jacobs:

- Jim teaches 2 skew classes September 21, morning and afternoon - At his skew class, Jim will have skews available for \$50. Let him know right away so he can order the skew blanks.
- He will teach beginning segmenting classes at his shop in Hastings, morning and afternoon Sept. 26. Three main areas will be covered:
 1. Three types of segmenting
 2. Staves
 3. Compound miters

Pres. Lee Luebke:

- Phil Holtan will demo captured rings at the October meeting
- Dick Hick is doing a class related to his week-long class with Glen Lucas in Ireland



President Lee Luebke & Jim Jacobs

- Members are encouraged to pick up one of the Beads of Courage kits that Jim Jacobs provides



Announcements (cont'd)

We are updating our Mentor List for all areas of the Metro

The best way to get in contact with a mentor is at a Sub Group get-together. Anyone looking for mentors is encouraged to join Area and Regional Groups for help with finding a mentor.

We need Mentor Volunteers of ALL levels. Volunteers are needed to spend a few hours with a fellow woodturner member.

Send an email to lgriebke@comcast.net with your email, phone number and area in the Metro where you live if you are interested.

This is a very satisfying activity for the mentor, a great way to encourage and improve the turning activities of our club, and a good way to make strong friends among turners.

Lee Luebke
President MWA



Dan Larson encourages new turners to jump in and try a class or two. He encourages more seasoned turners to take a class to have some fun turning with a group.

- Also, we are always looking for Lead Instructors who have a specialty project they want to teach; please contact Dan and share your skills.
- In addition, if you don't want to be "The Lead Teacher", we would love it if you would volunteer as an assistant. There is no better way to increase your own skills than to teach someone else. So PLEASE VOLUNTEER.

"Thank you for volunteering to share your talents with these other club members."

Dan Larson MWA- Class Coordinator



Future Classes

- Skew – Jim Jacobs – Sept. 21, 2 classes
- Beginning Segmenting – Jim Jacobs – Sept. 26, 2 classes
- Traditional Irish Platter – Richard Hicks - October 12, 9:00 am – 3:00 pm

Check the website for upcoming classes & details

Check the Website *Quick Links* for details and signing up for all classes



Dan Larson, MWA
Class Coordinator



September Demonstration

Seri Robinson

Spalting – Everything You Need to Know

Dr. Spalting



Known as “Dr. Spalting”, Seri is Assistant Professor of Wood Sciences at Oregon State University, specializing in science and manufacturing.

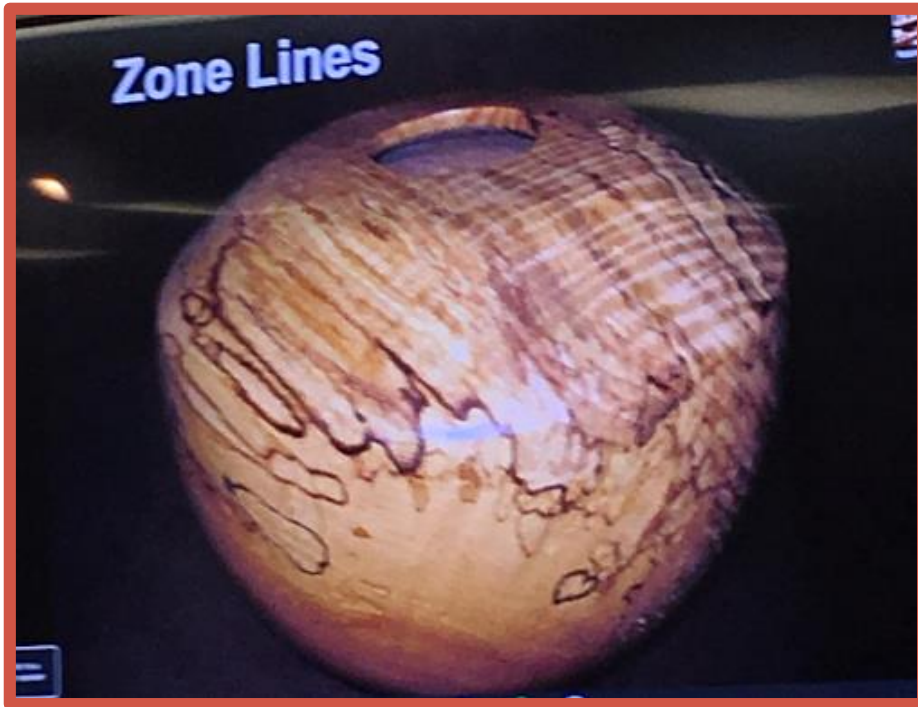
She has 25 years experience woodturning and collects fungi all over the world.

Spalting fungus – 3 types:

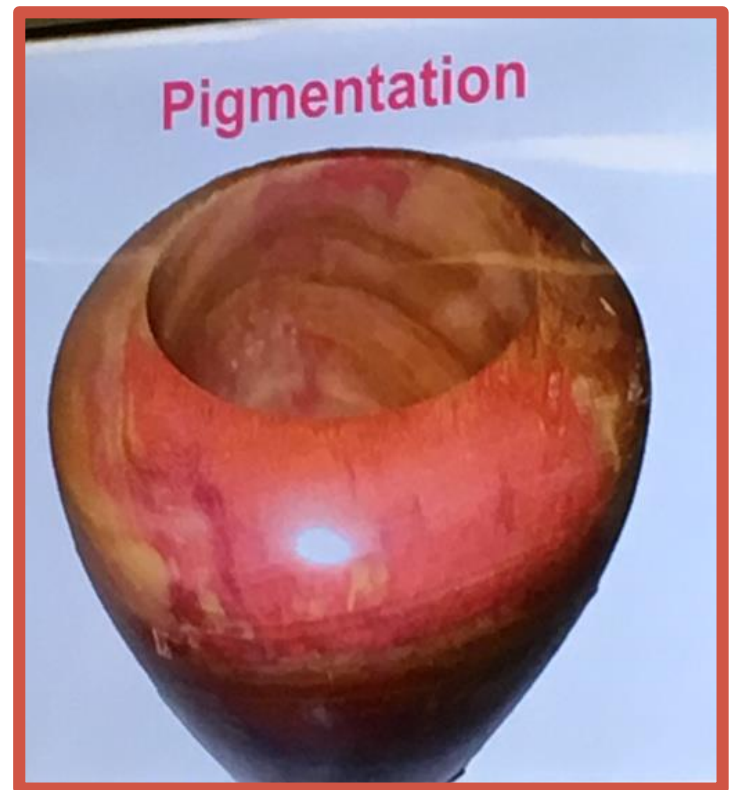
- White rot. This looks like bleaching and is especially good on dark wood.
- Zone lines. These lines are a front between 2 competing fungi. The purpose of the lines is to contain the other fungus. Circular zone lines are easier to work with.
- Pigmentation. The pigment is toxic to other fungi. It is rare in nature; the wood is too soft. For satisfactory pigmentation, you need to do your own spalting.



You can have Zone Lines of colors other than black – orange, yellow and brown.



Any color IN wood is caused by a fungus infection. With slow growing wood the color persists.



Pigmentation goes from orange -> red -> black.

Spalting IS NOT:

- Color produced by the tree
- Color produced by independent chemical or mineral effects
- Color produced by dyes



Yellow pigment and Zone Lines





Blue-green pigment,
the rarest pigment you
will see in the wild



Blue-green pigment is
the longest lasting



Seri's Quote: "All recipes for spalting are CRAP." You don't want to grow or feed the fungus. You want the fungus to be ANGRY! You want it to eat the wood. DO NOT FEED THE FUNGUS!



In the wood artistry of the 1400s and before, the only color persisting is blue/green.

Blue Bell fungi

You can spalt wood in the lab in one hour.
Your goal is to TORTURE the fungus.



The best equipment for spalting at home is these inexpensive, plastic bins.

In the 1400s alchemists were looking for blue/green color in nature. The wood with blue/green coloration was worth its weight in gold. Spalting knowledge was held secretly by the Guild families; spalting knowledge died with the Guilds.

Artistic favor has changed from blue/green pigmentation to Zone Lines

Spalting fungi are microorganisms

When turning spalted wood you need protection from the dust, not the fungi. Turners need NIOSH 95 protection or better from DUST.

Heart wood is dead and dense wood.

The tree changes sugar to EXTRACTIVES (the toxic color).

Sap wood – the cells have sugar within them.



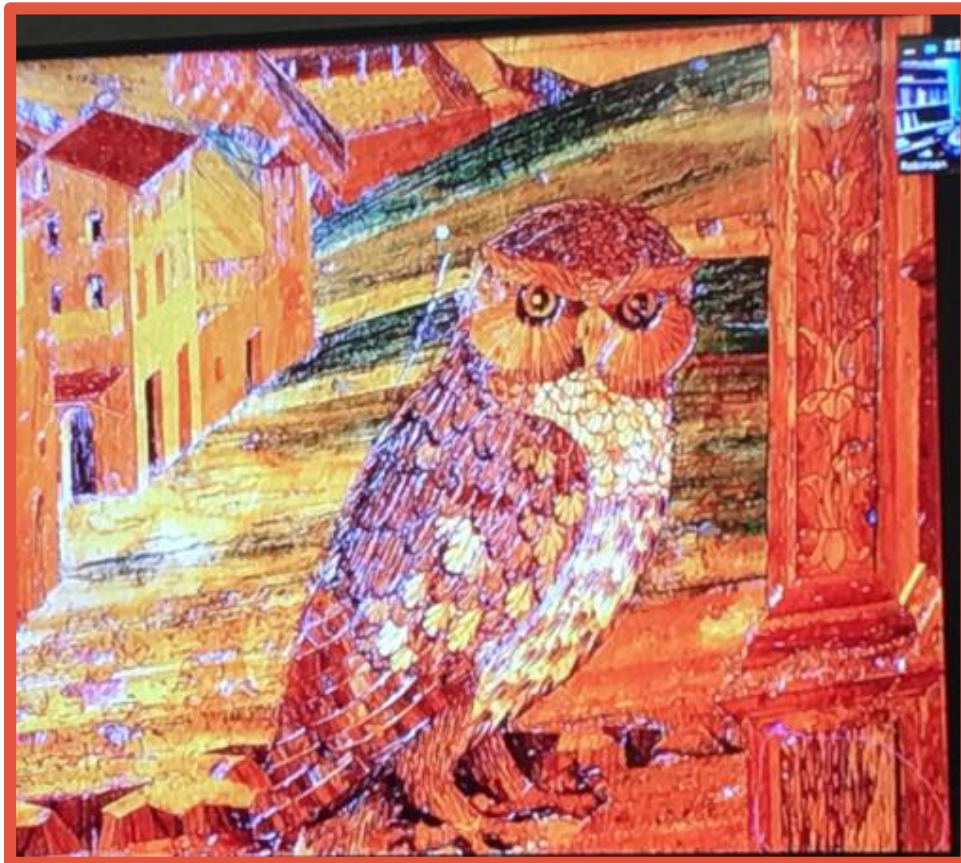
Highly colored = highly toxic

Wood in general is not color stable



Spalting is stable for centuries

It is very hard to find blue/green fungi in nature





Dead Man's Fingers: makes Zone Lines with itself. It puts a line up against itself (because of rapid genetic change). This makes fat Zone Lines.

Fungus follows food, not the grain of the wood. Fungus goes for the food in the rays. After the food is gone, the fungus goes looking for other food or other fungi.

Ambrosia is a "triple hit": Zone Lines, Pigmentation, White Rot

MYTH BUSTING:

- *Not all wood spalts*
 - Wrong: you must pair the fungus with the wood.

 - *Recipes are needed for spalting.*
 - NO

 - *Spalting wood is dangerous to your health*
 - WRONG. Spalting fungi are not human pathogens.

 - *Controlled spalting is HARD*
 - *Controlled spalting takes a lot of time*
 - *Turning spalted wood is dangerous*
- Fact: You do NOT need to “stabilize” the spalted wood



Last month Bill Breckon put a segmented, spalted bowl that had excellent black Zone Lines in the Instant Gallery

Fungi that create black Zone Lines: Pair the fungi with those that grow at the same speed. You want them to put up a fight and create borders (Zone Lines).

DIY Home Spalting

- Inoculate with live fungi
- Collect or purchase the fungi
- Make jello and put in glass jars
- Inoculate the media- get a pure culture of the fungus in the gelatin
- Inoculate the wood – pre-turned boards; chunks are faster – there is more resource for the fungi.
- You can inoculate dowel pins and insert into a log
- Plastic bins work great. The tops are not air-tight.

Easiest way is to buy agar plates on Ebay or other sources. These are better than the glass jar. There is less food for the fungus; the fungus will start eating the wood sooner.

New advancements:

- Spalting in 1 hour
- The fungi vomit into the wood; this is spalting
- Three different fungi all over the world yield all the range of fungi colors; it depends on time.





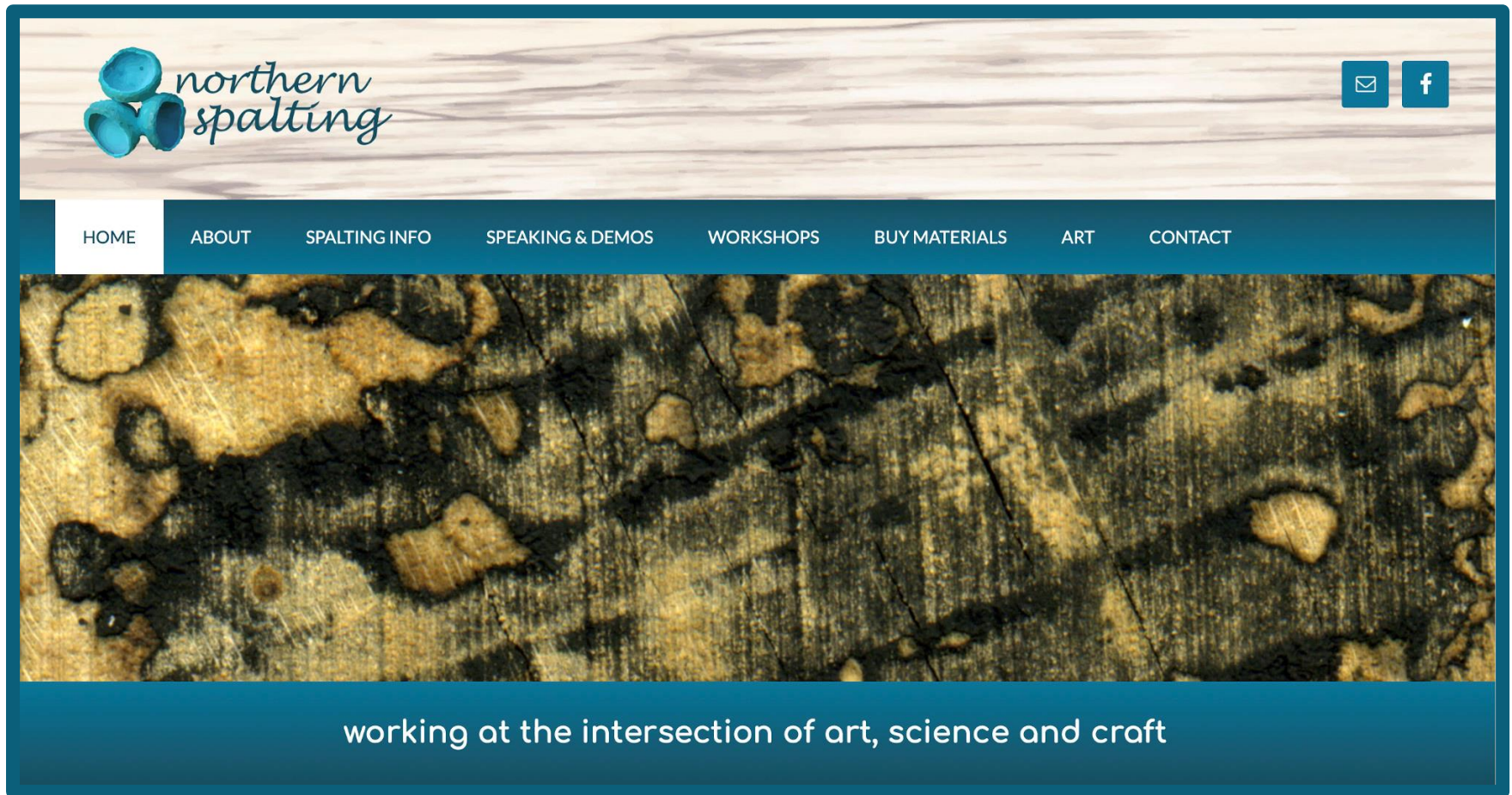
Pigment is never powder; it sticks to the glass; you add solvent to get the color

Zone Lines can be formed in birch in 6-8 weeks and maple in 12 weeks



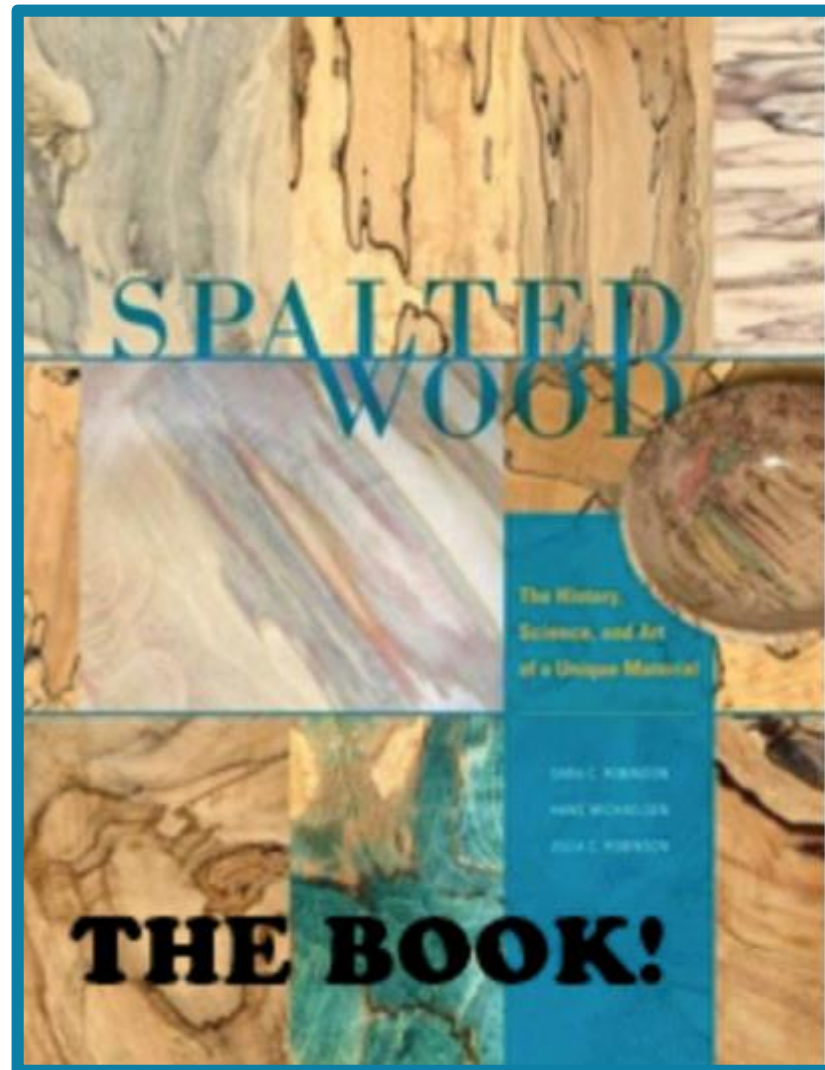
Information sources:

Website: northernspalting.com



Outstanding website!

Information sources:
"Spalted Wood" book



Information sources:

YouTube

Spalted Wood the Movie



SPALTED WOOD THE MOVIE by Mark Lindquist and Dr. Sara Robinson



Thank you, Dr. Sara Robinson.

Your scientific knowledge and information combined with your artistic sense and woodturning experience provided the Minnesota Woodturners Association with an outstanding program.

Every aspect of your presentation gave us new information and food for thought for our love of wood and woodturning.

Minnesota Woodturners Association



Member Challenge (Pieces with Finials)



Jeff would like an assistant who would be interested in taking over the Member Challenge in the future. Please contact Jeff (jlued@q.com) if you have questions and an interest in working with this highlight of our monthly meeting.

Jeff Luedloff oversees the monthly Member Challenge

Member Challenge (Wing Bowls) cont'd.



George Martin
Beg/Int 1st Place

Member Challenge
(Finials) cont'd.



Tom Sciple Advanced
1st Place



Ken Gustafson Advanced
2nd Place





Member Challenge
(Finials) cont'd.



Lee Tourtelotte Advanced
3rd Place

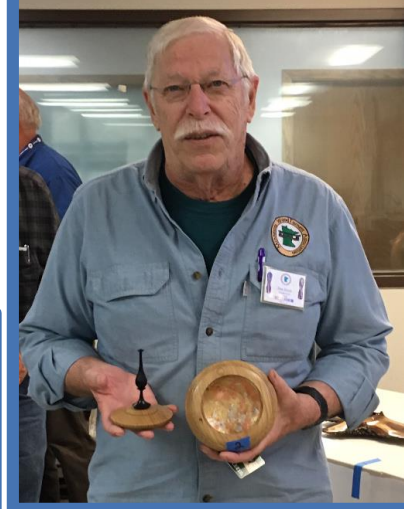


Arden Griep Advanced
4th Place

Member Challenge
(Finials) cont'd.



Danny Dahlberg Advanced
5th Place



Dan Ernst Advanced
6th Place



Member Challenge
(Finials) cont'd.



Marc Paulson Advanced
7th Place



Member Challenges for the remainder of 2019

Jeff Luedloff announced the remaining challenges for 2019:

October	Spalted Wood
November	Wood-turned Tree
December	Holiday Decoration



Brad Christian
Minnetonka

Sarah Schniepp
Minneapolis

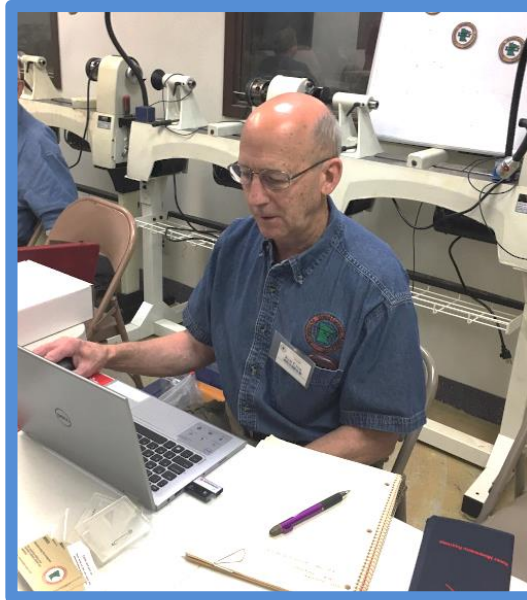
Wayne Bradely
Lino Lakes

Bruce Anderson
Corcoran

Brad Hay
St. Paul

Jerome Swenson
Montevideo

Welcome New Members!



Ken Crea manages our membership list. He says with the 7 new members we now have 331 members, an all time high!



Jerry Dow
Bloomington

Next Meeting

October 5, 2019 - Saturday morning 9:30 am

(Arrive early for Member Challenge Voting, Instant Gallery, Raffle Tickets, Beads of Courage, Woodcraft Display, Library, Coffee, Membership issues, Donuts and Fellowship)

Location: Houck Machine Co.

12811 16th Ave N Plymouth MN 55441

Demonstration:

Phil Holtan

“Scandinavian Tree with Captive Rings”

Member Challenge:

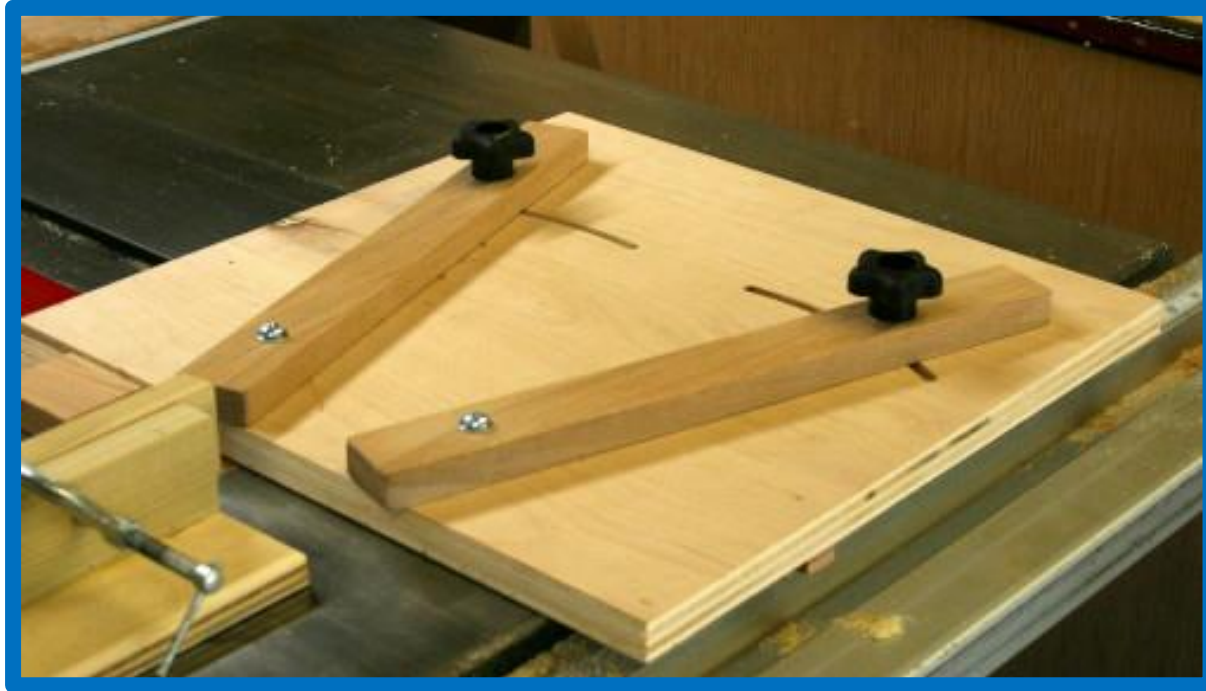
Spalted Wood



Super Simple Segmenting System

by Jim Jacobs woodmanmn@aol.com

composed by Mike Rohrer



1) The design and credit for this system goes to Jerry Bennett, a woodturner from Texas. He has an excellent YouTube video. Search: Segmentology the Basics Jerry Bennett. The 2nd half of the YouTube shows how this works. I have contacted him and received his permission to make and sell these.



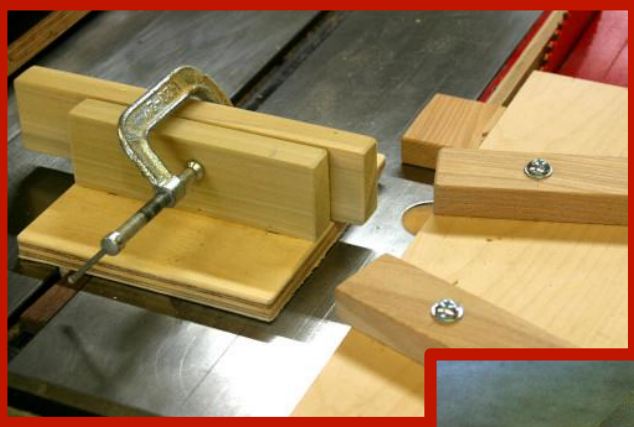
2) The BLADE and SAW:

The table saw must be solid and run smoothly. The blade I recommend is sold at Menard's, made by CMT, model P10080 Melamine and Ultra Finish, 10"/80 tooth. It's orange and costs about \$43.00. It's very important to use a good blade. You will not have to sand; only a slight deburring before glue-up.



3) BASIC SYSTEM INCLUDES:

Sled and 2 setting angles for 8 and 12 segments.
Setting angles for 16 & 24 segments are available.



4) COMPLETE SYSTEM INCLUDES:

Sled and all 4 setting angles; Segment Length Stop; Segment Off Ramp.

5) SETTING UP SLED:

The sled may be used to the right OR left of the saw blade.



Left hand set-up



The 3/8" x 3/4" stick must fit PERFECTLY into the slot in the table and slide smoothly. Masking tape may be added to tighten the fit. If the stick is too tight, trim carefully to size. Paste wax may be used on the stick and the slot in the saw table.

6) MOUNTING STICK TO SLED:

The goal here is to mount the stick to the sled so that when the first cut is made it trims the edge of the sled by about 1/8". Measure the distance from the slot to the sawblade, mount the stick 1/8" less from the edge of the sled. With the saw running, trim the edge of the sled. The 2 fences will also get trimmed.



Base of sled & fences getting cut,
registering the sled to the slot

7) ADJUSTING THE FENCES:

Select the setting angle (8, 12, 16 or 24 segments). Loosen the knobs and lay the angle into the opening. Make sure it fits PERFECTLY. Look at the slots and go for equal spacing, though this is not critical. Tighten the knobs



8) The SEGMENT LENGTH STOP:

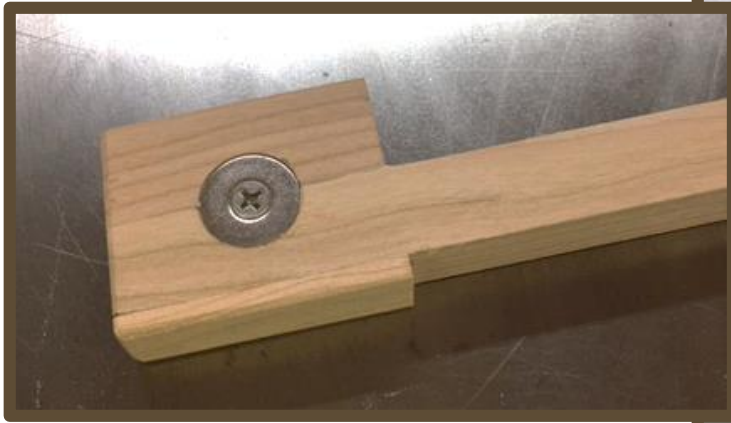
The stop fits into the other slot. It will work rotated either way. Place it in the slot and squeeze the tapered pin in place. Use your own clamp to clamp the stop stick in place, creating the length of the segment. Make a test cut before proceeding.

Place the length stop in table slot and insert the tightening pin. Tap GENTLY and it locks in position. Do not over tighten.



9) The SEGMENT OFF RAMP:

This ramp fits up to the blade and allows segments to drop away from the blade. The magnets will hold it to steel or cast iron table tops. Double stick tape or hot melt glue may be used as an alternate.

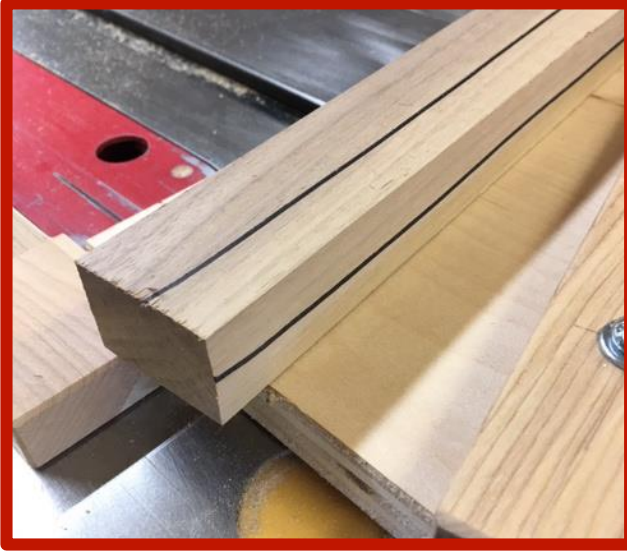


Magnets to hold the
Segment Off Ramp to the
table of the saw



Segment Off Ramp clears the
cut-off segments away from
the spinning blade

Cutting the Segments and Putting Them Together

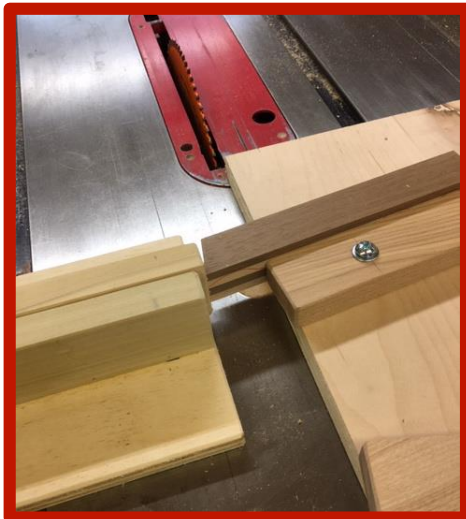


Marking 2 orientation lines (OL) on adjacent sides helps with orienting segments

These OL must be arranged correctly when assembling the ring. This compensates for any inaccuracy in the system, either blade tilt or angle of cut. As the stock is cut the OL is always facing up; then it is assembled with the OL facing up. The OL on the edge of the stock is the one to alternate during assembly, thus correcting any bit of inaccuracy.



1st cut to prepare the end with stick against front fence



1st segment cut with stick against front fence

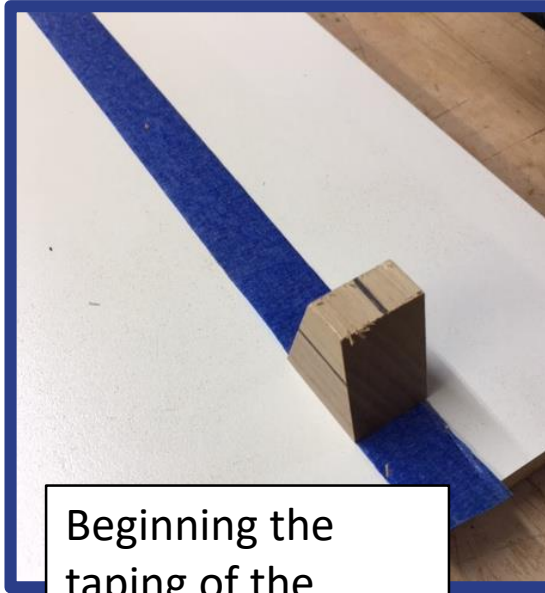


2nd segment cut with stick against rear fence

Cutting the Segments and Putting Them Together



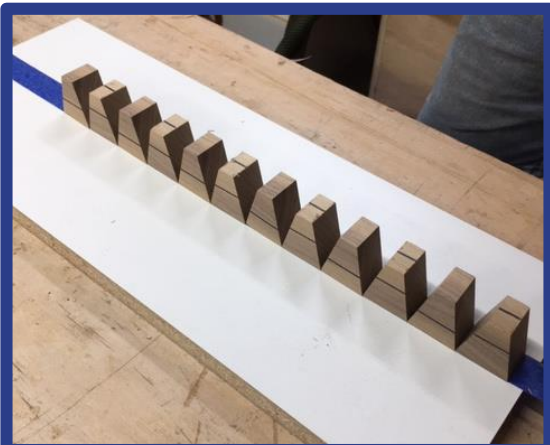
Segments falling away from the blade



Beginning the taping of the segments



The OL on the face all face up (as they were cut). The OL on the edge must alternate compensating for any inaccuracy; the sled will automatically cut 1/2 of the segments with the OL on either the inner or outer edge



12 segments on the tape. Apply a thin coat of Titebond glue with a putty knife on both surfaces.

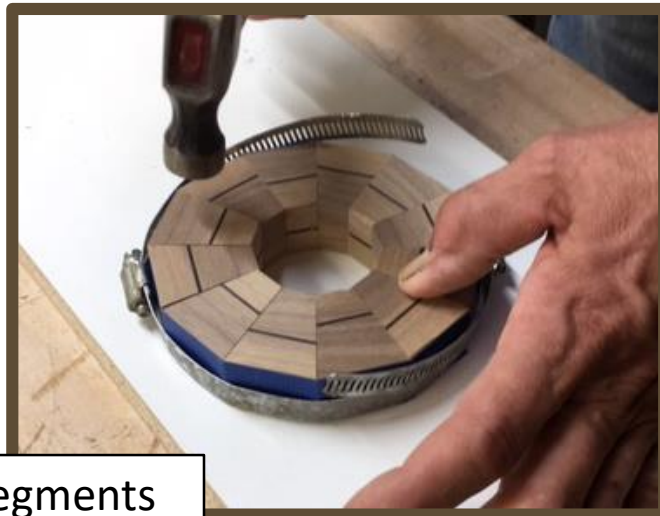


All segments glued & taped into a ring. Note alternate markings

Cutting the Segments and Putting Them Together



Tightening 2 clamps around the segments. Dry overnight.



Hammering the segments to even them up



Examples of rings



Cutting the Segments and Putting Them Together



Cutting shims to hold ring on chuck



Ring on chuck ready for flattening. Use straight edge to check for flatness. Wood shims may be used if chuck jaws don't expand enough.



Ring of segments and bowl with finished segments as a rim

PLEASE WORK SAFELY!

Glasses, Hearing Protection, Dust Control; Use a long stick to remove segments as they are being cut.



Bowl with alternating segmented rings as an extremely interesting rim

First Attempt At Segmenting



I tried segmenting for the first time in my life with one of Jim Jacobs' *Super Simple Segmenting Systems*. The ease of achieving a perfect segment ring was truly exciting.

Mike Rohrer, Editor



TURNING TIPS*

How many times in bowl turning do you get “bumps or irregularities” when you are rubbing the bevel and have to use a scraper or other tools to get back to a smooth surface. Why do we get these bumps? I am never too old to learn new things. I was over at Dan Larson’s the other day and we were discussing this. Found out that if you are putting too much pressure on the gouge/bevel this causes the unwanted bumps. Slack up, start back before the bumps occurred and ease off on the bevel pressure. You will then be able to cut the bumps out and continue obtaining a smooth surface.

Thanks, Dan

Tom Sciple



Ask a Turner*

TURNING TIPS*

*All members are encouraged to contact Editor Mike Rohrer (mdrprof@gmail.com) with an answer to the “Ask a Turner” question, with a question to publish in next month’s newsletter or with a “Turning Tip.”



Area & Regional Meetings & Gatherings

Meetings of the various “Sub Groups” of the MWA are a highlight of the month for many woodturners. These gatherings offer opportunities that don’t exist at the monthly meeting of the entire MWA, which must be highly structured. The Sub Groups provide a chance to ask other turners lots of questions, spend a lot of time on one technique, discuss items brought to the “show & tell”, and really get to know one another in a casual, comfortable atmosphere.

The groups vary in location, type of meeting and size. All MWA members are strongly encouraged to contact the “point person” for the group to be included in the announcements for the monthly meetings.

Continued next page



Area & Regional Meetings & Gatherings (cont'd)

•HAMBURGER CLUB

The HC meets the Thursday of the 2nd week following the club meetings. The next meeting is Thursday, Sept. 19. We meet at 11:30 am with lunch to be ordered about 11:45 am. No topics ... just an open dialogue of woodturning friends. Several attendees will usually bring a piece of interest (something good or something that went wrong to pass around the group). Mike Hunter “organizes” the group.

Meeting place: 50's Grill, 5524 Brooklyn Blvd, Brooklyn Center

Any member who would like to be included on the mailing list please send an email to MLH55410@aol.com.



Area & Regional Meetings & Gatherings (cont'd)

• PLYMOUTH AREA SMALL GROUP

The Plymouth Area group's meetings center around open discussion on almost any topic, mostly related to woodturning. Folks bring a turning, problem, tool, or topic to share.

The usual meeting place is [10501 Belmont Rd, Minnetonka](#).
To be added to the contact list, or questions or suggestions, call
Steve Mages [952-544-5286](tel:952-544-5286) or
email him.
smages@juno.com



Area & Regional Meetings & Gatherings (cont'd)

• SE Metro

The SE Metro sub group meets in various locations and types of venues, but frequently meets in Jim Jacobs' shop. The meeting is usually on the Friday of the 2nd or 3rd week after the MWA meeting. They generally begin at 10am and include lunch, either at the meeting location or a local restaurant. Some meetings continue after lunch.

The instant gallery is the central highlight but each meeting has a main demonstration or principal discussion point of a technique or particular type of work.

Contact Jim Jacobs at Woodmanmn@aol.com to be included in the announcements for the SE Metro group

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In August the SE Metro Sub Group met at Mike Lucido's home & shop in Woodbury



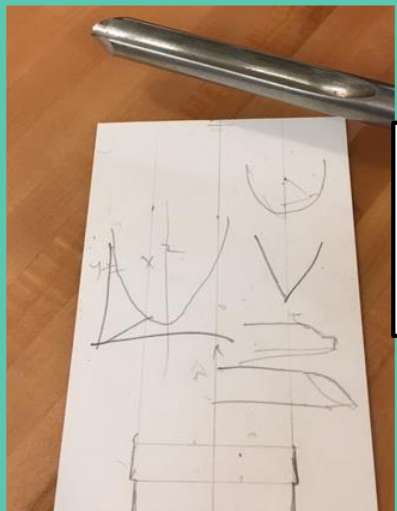
Steve Raddatz, Mike Lucido, Steve Miller



Bob Hansen



Jim Jacobs & Dave Olson



Mark Debe's drawings of the difference in the geometry of different gouges



Todd Williams' platter & spalted mushroom. Very interesting because a mushroom is a fungus and spalting of wood is caused by fungi. Was this just happenstance or is Todd messing with our minds?

Area & Regional Meetings & Gatherings (cont'd)

SE Metro Sub Group (cont'd)



Todd Williams was praised by the group as the person who had the idea of the Area Sub Groups, which has become a very important part of the MWA



Tom Sciple's wing bowl

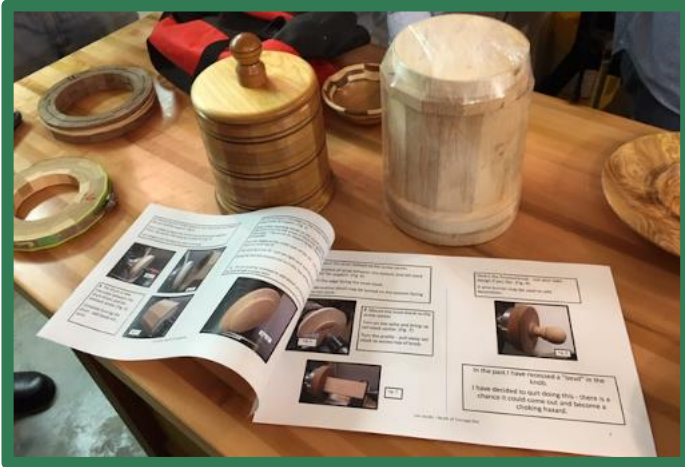


Lee Tourtelotte's turnings

Attendees: Bill Campbell, Duane Betker, Mike Lucido, Mike Rohrer, Warren Gerber, Bob Hanson, Jim Jacobs, Steve Miller, Tom Sciple, Dave Olson, Todd Williams, Lee Tourtelotte, Steve Raddatz, Mark Debe and Glen Anderson



Area & Regional Meetings & Gatherings (cont'd)



Jim Jacobs' Beads of Courage kit and directions

SE Metro Sub Group (cont'd)



Bill Campbell admiring Tom Sciple's wing bowl



Steve Miller brought some bowls. This could be a career's worth for some turners.



Tom Sciple & Warren Gerber



Glen Anderson, Dave Olson, Bob Hansen



Area & Regional Meetings & Gatherings (cont'd)

SE Metro Sub Group (cont'd)



Jim Jacobs demonstrated his *Super Simple Segmenting System*



Todd Williams tries out the system on the living room table (saw)



Lots of "hands-on" experience without danger to fingers

Segment rings made by Jim Jacobs' Super Simple Segmenting System



Area & Regional Meetings & Gatherings (cont'd)

Lake Johanna Sub Group

The newest sub group, organized by Gordon Fay, meets in an informal setting in Arden Hills at

[3355 Lake Johanna Blvd, Arden Hills MN](#)

at Dave Carlson's shop, the big white house on the corner of Stowe (enter from Stowe Ave)

Contact Gordon at fayboy2@comcast.net to be added to the announcement list



Area & Regional Meetings & Gatherings (cont'd)

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Gordon Fay, founder of the Lake Johanna Sub Group.

Wooden Laser Cut Name Tags



Wooden laser cut name tags are available from Bill Breckon. If you would like one the cost is \$4.00. You can contact Bill to order yours by calling him at 651-587-8211 or by email at bnlbreckon@aol.com

Editor's Notes

- Please consider contacting Jeff Luedloff (jlued@q.com) to help him with the Member Challenge at the monthly meetings. The MC is one of the highlights of the meeting and helps encourage all members, from beginners to advanced, to stretch their abilities to the limits.
- LIBRARY – We have a remarkable video library, but it is somewhat overwhelming to approach it cold turkey in the short time before the meeting. I have found the best way to use the library is to look at the list of videos on the website before the meeting and make a short list of ones you might want to view. Then at the meeting it is easy to find those alphabetically, take a close look at the synopsis on the cover and make your choice. Having a technique video for an entire month is an excellent way to improve your turning skills.
- Please consider a QUESTION or an ANSWER to the new feature, *ASK A TURNER*
- Please send me your tips to the feature, *Tips for Turners*

Mike Rohrer, Editor mdrprof@gmail.com

