

# Minnesota WoodTurners Association

A LOCAL CHAPTER OF THE AMERICAN ASSOCIATION OF WOODTURNERS



Volume 2020 No 1



January Demo

Tom Sciple

**3-POINTED VASE/BOX** 



#### **Minnesota Woodturners Association**

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Mike Rohrer - Newsletter

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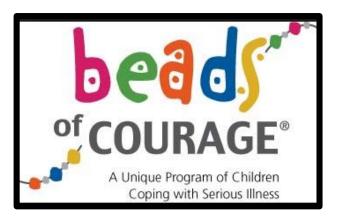
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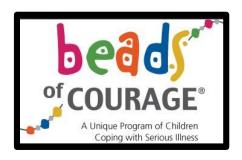


Diane and Bob Puetz direct this program for the Minnesota Woodturners Association.















Dear dedicated woodturners,

Happy holidays! Beads of Courage would like share an overview of the woodturner community's generosity as we wind down to the end of 2019. We would also like to inform you of some changes that are happening as we move into 2020.

I would like to virtually introduce everyone to our <u>Volunteer Coordinator</u>, <u>April Cleveland</u>. Beginning in 2020, she will be your new contact concerning woodturning for Beads of Courage. I would like to personally thank all of the groups and individuals I have gotten to know over the years. I will remain with Beads of Courage but will be focusing my efforts on Beads of Courage programming. It has been my pleasure working with all of you and I leave you in the very capable hands of April!

We would also like to recognize those that have donated bowls this past year. It is wonderful to see where all of these donations are going to as well as the number of bowls that have been donated. The information below has been gathered from the gift-in-kind donation forms that have been submitted this past year.

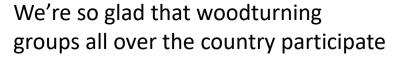
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### Here's a sneak peek of 2019

- •1256 bowls were donated to 25 different hospitals as well as directly to Beads of Courage and our beads in the mail program.
- •29 different woodturning groups donated bowls.
- The estimated value of these donations surpasses \$60,000!!
- •A donation of this size accounts for THOUSANDS of hours of work . . . that's a lot of turning!





Arizona Woodturners
Bluegrass Area Woodturners
Brasstown woodturners
Dallas Area Woodturners
Diamond State Wood Turners
Etowah River Woodturners
First State Woodturners
Front Range Wood Turners
Georgia Association of Woodturners
Glacier Woodturners Association
Grand Valley Woodturners
Green Country Woodworkers
Gulf Coast Woodturners Association
Howard County Woodworker Gulid
Hunt County Woodturners

Inland Woodtumers Keystone Woodturners Magnolia Woodtumers Milwaukee Area Woodturners Minnesota Woodturners Association Northeastern Oklahoma Woodturners Oregon Woodturning Symposium Palmetto Woodturners Charleston Woodturners **Quad Cities Woodturners** Segmented Woodturners Southern Arizona Woodturner Association Southern Utah Woodturners Woodturners of North Texas Woodworking 220-7









Continued on next page





# The bowls that were made in 2019 have gone to 25 different hospitals across the United States, as well as to members of the Beads in the Mail program and directly to Beads of Courage!

A. I. DuPont Hospital for Children/Nemours
Blair Batson Children's Hospital
Arkansas Children's Hospital
Children's Hospital of Minnesota
Children's Hospital at Memorial Health
Children's Hospital Milwaukee
Children's Hospital of Atlanta
Children's Hospital of Atlanta
Children's Medical Center (Omaha)
Children's Medical Center Dallas
Children's Hospital at St. Francis
Gwinnett Medical Center
Johns Hopkins Children's Center
Kalispell Regional Health Care

Mary Bridge Children's Hospital
Mayo Clinic
Medical City Children's Hospital Dallas
Monroe Carell Jr. Children's Hospital at
Vanderbilt
North Memorial
Phoenix Children's Hospital
University of Minnesota Masonic Children's
Hospital
University of Kentucky Children's Hospital
Children's Hospital of Colorado
University of Iowa Stead Family Children's
Hospital



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We cannot put into words how grateful we are to the woodturning community. Your amazing works of art are a wonderful compliment to the Beads of Courage program, allowing our members to have a safe and beautiful vessel to contain sometimes hundreds of beads that each represents a different moment of courage.

Thank you again for all that you have done and continue to do for Beads of Courage. We are forever grateful.

Sincerely, Krista Burgbacher and the entire staff at Beads of Courage



Continued on next page





Beads of Courage would also like to recognize and thank the American Association of Woodturners (AAW) for their ongoing support of this wonderful program. Please visit their website and if you have not done so already, please consider becoming a member.

If you have any technical questions in regards to woodturning, please contact Linda Ferber, program director, at the AAW.

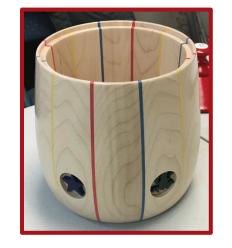












Some of the BoC boxes and games by MWA members at the December meeting



Thank you MWA members who contribute Beads of Courage boxes and a special THANK YOU to Diane and Bob Puetz for directing this program for the Minnesota Woodturners Association



# Instant Gallery

Lee Tourtelotte
Curly maple/General Bowl Finish









Blue pine/walnut

Blue pine/maple





Martin Young
– burnt elm &
"worm wood"



Don Schlais - walnut, oak, maple, cherry & weng; friction finish

Don made this bowl for a life-long friend he grew up with who shares the same birthday. His friend joined the Navy and flew jet missions in the Vietnam War. Don inserted a Navy medallion in the inside center bottom of bowl. Don inserted 4 quarters in the sides: his friend's birth year, 1945; their high school graduation year, 1963'; the 2 Minnesota quarters. Don's friend moved to CA but they maintain contact throughout the year.



He has made similar bowls for his daughter and son. He calls them mixed material bowls.

Don likes to make bowls that are not only artistic but meaningful and give them to significant people in his life.



Lee Tourtelotte – crabapple; General Finishes "bowl" finish



Dan Ernst; waterlox "yarn bowl"



Martin Young

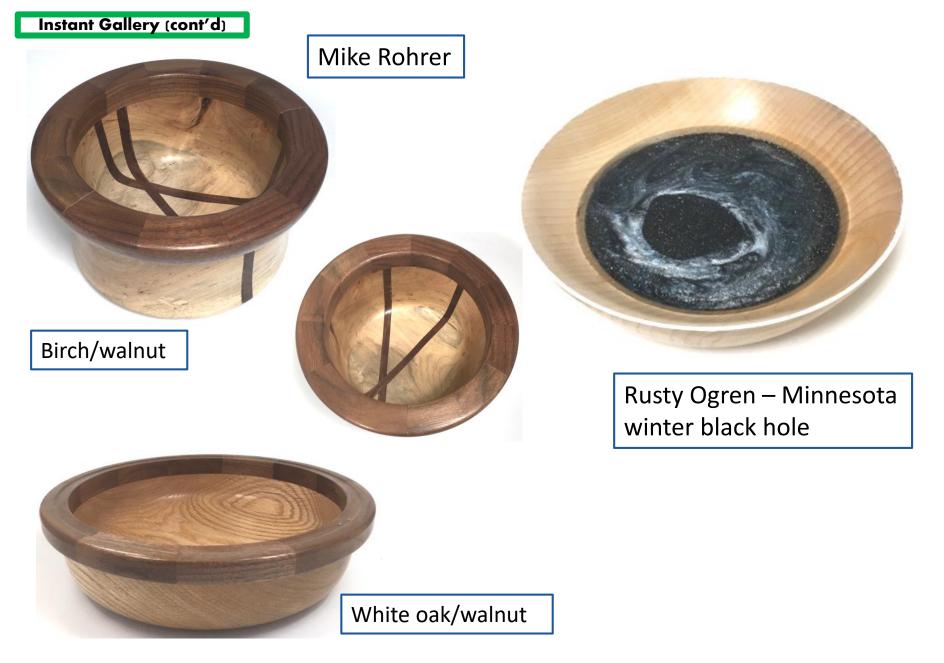




Dick Hicks – turned day before the meeting











Greg Just; laminated beam, wipe on poly



Arden Griepp; ash/walnut, Mylands friction finish



Warren Gerber; cottonwood/tung oil







Jane Hilary's 1<sup>st</sup> attempt at segmented bowls; used Jim Jacobs' "Super Simple Segmenting System"











White oak

# Ellen Starr, maple



Ellen describing her technique to Rosanne Gold & Linda Ferber



# Before the Meeting



Sandra Seidel & Rosanne Gold discuss the MWA banquet



New location for the Instant Gallery display



Jeff Koltveit at the Woodcraft table



Ken Hallberg talks with Gordon & Mark Fay



Julie Abbott & Linda Ferber with Tom Sciple



Tim Seidel, Lee Tourtelotte & Dan Larson



### Before the Meeting (cont'd)



Arden Griepp enjoying a pre-meeting coffee



Lots of activity before the meeting: holiday party sign-up, membership, drawing tickets







### Before the Meeting (cont'd)









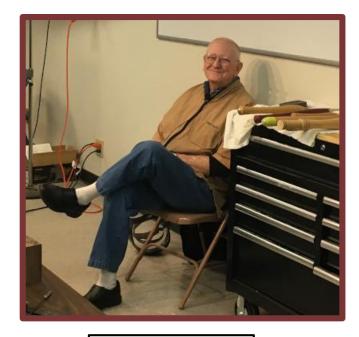
Wes Jacobson ready for Tom Sciple's demo



New member, Steve Legvold & Jay Schulz



# Before the Meeting (cont'd)



Tom's ready







### **Announcements**



Dan Larson & Pres. Lee Luebke

Pres. Lee Luebke announced a pen turning class for Wounded Warriors and asked for volunteers. He said these classes are outstanding when there are as many instructors & helpers as students.

Dan Larson, Class Coordinator, said that the January classes are filled and one February class is already filled. Check the MWA website *Quick Links* for details of new classes and signing up for all classes.

There will NOT be a sharpening class Feb. 1 because of Rudy Lopez's class after the February meeting



# Announcements (cont'd)



Duane Gemelke introduced Don Wattenhofer. Don was the 3<sup>rd</sup> president of the Minnesota Woodturners Association.

Please note the turnings Don contributed to the Instant Gallery.



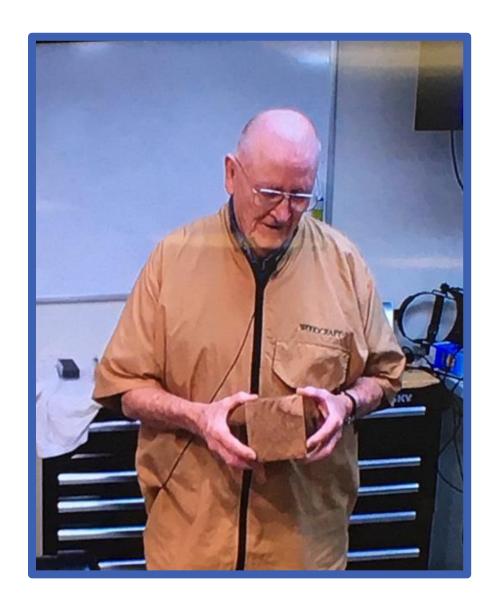
# January Demonstration Tom Sciple - 3-Pointed Vase/Box



Tom presented a method for turning a 3-pointed vase or box which begins with a unique method of mounting the blank

A step-by-step tutorial begins on page 33





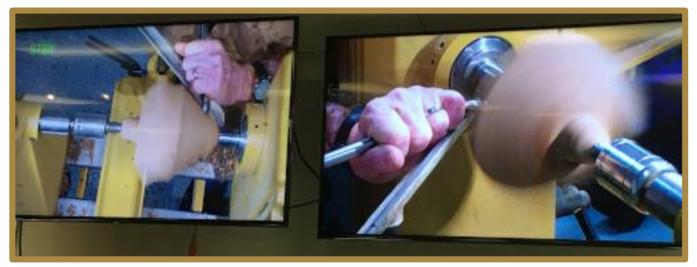
Tom emphasized the need for a "cube" of wood and showed 2 methods of mounting the cube between centers

He also emphasized the necessity of keeping the blank very tightly held between the quill and headstock





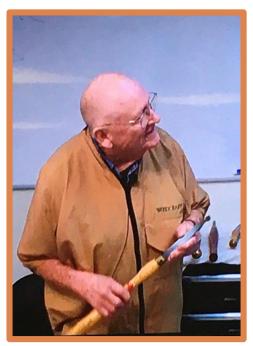
Watching the "ghost" form of the blank is extremely important for creating the shape of the 3-pointed turning







With the outside outline basically determined, Tom begins forming the interior of the box and the formation of the relatively delicate wings



Tom said that the use of quite dense wood makes it much easier to preserve the thin wings while turning



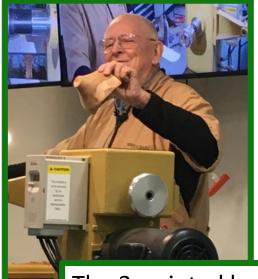




A hole has been drilled in the center to begin the box







The 3-pointed box removed from the lathe



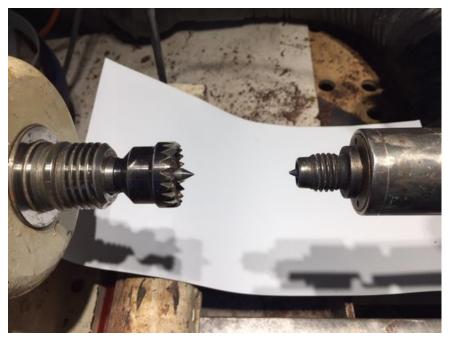
# Turning a 3-Pointed Vase/Box By Tom Sciple





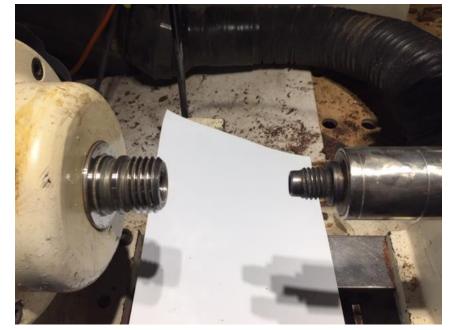


1



1.Normal method of turning between centers. 1 ½" Stebcenter drive on left and Oneway live center with center pin on right.

2. Unorthodox method of mounting 3-pointed vessels between centers. Note: no drive center and no pin in live center.









4. Set the speed to about 1200 rpm and as it turns you can see the ghost that you will be cutting away and what you want to keep. ALWAYS spin by hand first to make sure the tool rest is up close but not too close. You can choose to begin at either end to start shaping a tenon, which will be needed at both ends. We will shape the vessel as a box, but the top will not be turned in this demo.

3. Start with a dried cube of relatively hard wood to prevent breakout of the pointed tips. Here I started with a 3 ¾" cube and the distance between points wound up being 5 ¼'. The cube must be very tightly held between centers and locked down hard. Also, tighten the quill to prevent it from backing off.







6. Here I am turning the bottom/outside mainly with a 3/8" gouge, leaving room at the bottom for a tenon.

5. Here I am starting at the top.
Mostly, I like to use a swept back 3/8"
gouge, which I call the Lyle profile.
You will need to sharpen the tools
several times to prevent chip out of
the edges. In practicing for this demo,
I have also used a Ray Key Signature
Dual Angle Shear Scraper, a tear
shaped scraper (both negative-raked),
a parting tool and a full size Easy
Hollower.







8. Use of the Ray Key Signature Dual Angle Shear Scraper

7. Use of gouge: rubbing the bevel







# 9. Turning the bottom tenon



10. Measuring the Tenon



11



11. Turning the top wings, shaping the inside and preparing for a top tenon

12, Wings almost turned and the top tenon shaped







13. Turning off the top nib still between centers

14. Using chuck to hold bottom tenon







15



15. Finished shaping the wings using gouge and round nose scraper. Also shaped the raised part for the top lid.

16. Beginning to drill the inside of the box first with a 15/8" bit. Note the hole will be enlarged to fit your chuck as described later

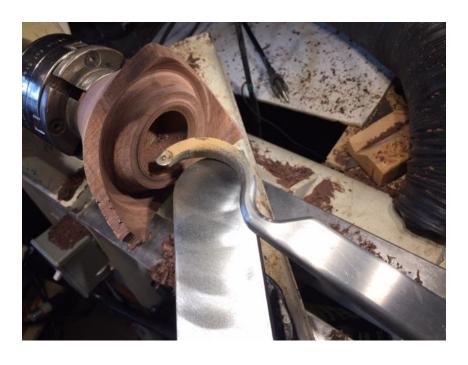






18. Shaping the inside of the box using a box rest and full size Easy Hollower. Diameter of the inside must be consistent with diameter "b" in picture 20.

## 17. Inside of box after drilling

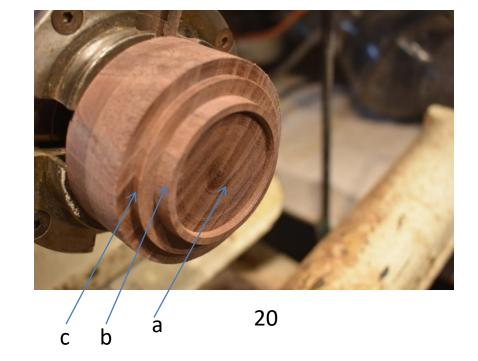






20. Diameter of "a" should be large enough to hold the top with your expansion jaws. Diameter of "b" should be a firm "jam" chuck for the box and hold the lid with your chuck in compression mode for final shaping. Diameter of "c" should be large enough to form a good shape with the box

19. Begin turning Lid to fit box from figure 18. You can turn a "plain top" or add a finial to it.







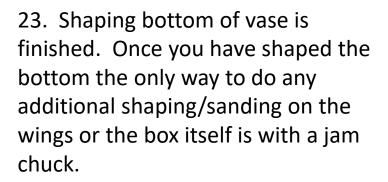


21. Lid is shaped and fitted onto box. Note that top of lid is flat to insert a finial





22. Vessel reversed using chuck in the expansion mode









Thanks, Tom

A great demo for a project that you have made possible to fit within the repertoire of the majority of our club members

Tom has been a member of the MWA for a relatively short time. He and his wife are planning on moving back to snow-deficient country later this year. It has been a privilege and our good fortune to have had a turner with such experience, expertise and good nature contribute to our club.



# Member Challenge (Ornament)



The MWA Board of Directors has decided that the monthly Member Challenge will designate a number of participants in an unranked manner who have met the "challenge" especially well in creativity, overall esthetics and workmanship.



# Member Challenge (Ornament)









Beginner, Intermediate
Julie Abbott

Advanced Denny Dahlberg



### Member Challenge (Ornament) cont'd.







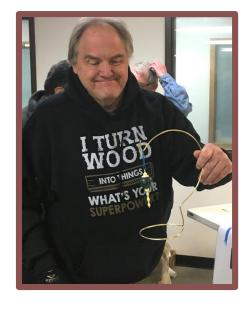


Advanced Dan Ernst

Advanced Ken Hallberg



### Member Challenge (Ornament) cont'd.





Advanced Eric Koslowski



Advanced Ellen Starr



# Member Challenges for 2020

FEBRUARY - Three-pointed Vase or Simple Vase

MARCH - Long Stem Natural Edge Vessel

APRIL - Hollow Form

MAY - Cowboy Hat



# Honorable Mention from the Instant Gallery



Jane Hilary



Ellen Starr



# Honorable Mention from the Instant Gallery (cont'd)



Lee Tourtelotte



Martin Young



### Keith Anderson

Minnetonka

# Welcome New Members!

Don Hoffman

Apple Valley

### Niall Ebbs

St. Paul

Ken Crea, Membership Director, says we have 343 members!

An all-time record!!!

### Todd Lauback

Lakeville

### Peter Demitroff

St. Paul

# Clyde Hause

West St. Paul

### Joe Garrick

Anoka

# Joe Vankampen

Mound

## Brian Gillman

Dassel

# Justin Staebell

Shoreview

## Douglas Schultz, Sr.

St. Paul

# Kelly Jozwowski

Vadnais Heights

### **Dave Peterson**

Arden Hills

### Tim Zweber

Elko

With his son, Erik, who is already turning

# Layne Holdahl

Eden Prairie

# Steve Legvold

Apple Valley



# **Next Meeting**

# February 1, 2020 - 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:** 

# Rudy Lopez

Long Stem Natural Edge Vessel

# Member Challenge:

Three-pointed vase or simple vase



# 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."



# Ask a Turner\*

I'm a new member of the MWA and a "newbie" as far as woodturning goes. I don't really have any woodturning equipment or tools. I have some woodworking equipment. Where do I start? What do I need to get going at least at a beginning level? How much do I need right at the beginning? I know I can't afford everything at once, is there a reasonable schedule on what things I should get before others? I have an area in the basement where I can do woodturning/woodworking, but I don't know if I need to do anything special to make it work well for turning.

**Newt Urner** 

From Jim Jacobs:

Dear "New tUrner",

Nobody gets everything they need (and certainly not everything they WANT) when they first start wood turning. I've got a couple of lists for new turners I'll share with you.

Continued on next page



# Recommendations for your shop:

- 1) If there is no door to the space, hang a curtain at the entrance to the room and seal the edges tight.
- 2) Seal off all vents to prevent dust from entering and floating into the house.
- 3) Install a Jet Air Cleaner, which will clean the air in the room.
- 4) Use an electrical heater in the room; radiator type with no fan.
- 5) Mount a drafting light with LED bulb over the lathe.
- 6) Buy a HEPA vacuum (High Efficiency Particulate Air) Festool or Fein recommended.
- 7) Mount magnetic bars around your grinder to capture the superfine metal filings.
- 8) Buy a small air compressor. Should be portable to carry OUTSIDE for cleaning filters/respirators/turnings



Tools (I'll put them in 2 groups, SOONER & LATER, without giving a specific order) and approximate cost for an adequate tool

### SOONER

•1/2"	round nose scraper	\$38.00

•1/2" bowl gouge (if you want

to turn bowls right away) \$60.00

•Spindle roughing gouge \$60.00

Drafting light w/LED bulb \$27.00

•Slow speed grinder \$120.00

Wolverine sharpening jig \$140.00

•Magnetic bars, 2-12" \$33.00

Dust masks/respirator



# **LATER**

•1/16" narrow kerf parting tool \$30.00

• Keyless drill chuck \$46.00

•Safety drive center \$20.00

CBN sharpening wheel(s) \$110.00

Double end caliper 7" for bowls \$26.00

•Small air compressor/Dewalt\* \$230.00 or

Makita air compressor/Rockler\* \$160.00

\*Should be portable to carry OUTSIDE

for cleaning filters/respirators/turnings

• Festool HEPA vac \$400.00

• Jet Air Cleaner/Rockler \$350.00





Air filter and LED shop light

Slow speed grinder with CBN wheels

Magnetic bars to catch filings



- •You have already taken the most important step...you joined the club! It takes many years to develop turning skills and set up the shop.
- •There are many "gadgets" on the market now days...Don't assume these will make you a "great turner" nothing replaces practice.
- •Do not work with cheap equipment ...this will hinder you to no end.
- •Our club has a really great DVD collection. You have them for a month so you can watch them, try to do what you've seen, watch the DVD as often as you need. Borrow a couple a month.
- Watch YouTube videos .. Carl Jacobson and Tim Yoder are good ones.
- •Join a "small group "within the club. Woodturners love helping each other!

Jim Jacobs



# 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



#### HAMBURGER CLUB

The HC meets the Thursday of the 2<sup>nd</sup> week following the club meetings. The next meeting is Thursday, Jan 16. We meet at 11:30 am with lunch to be ordered about 11:45 am. Feel free to invite additional woodturners. 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.



Bob Puetz, Dick Hicks, Steve McLoon, Steve Mages, Rick Auge, Mike Hunter, Paul Laes, Mike Anderson, Marc Paulson, Joe Zwirn and Mike Rohrer attended the December meeting







Marc Paulson has been making "Snow Families" for Christmas presents

Rick Auge & Mike Hunter





Steve McLoon had questions about magnetic latches for boxes

Joe Zwirn explained how he (and his wife) did the piercing for this beautiful bowl

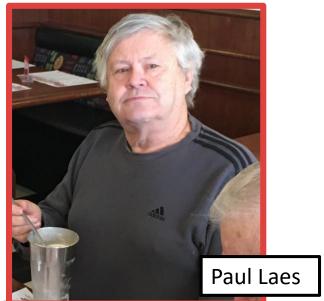




Hamburger Club









## PLYMOUTH AREA SMALL GROUP

The Plymouth Area group's next meeting is Tuesday, January 7, 7:00 PM. Our 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 or email him.

smages@juno.com





Back row: Bob Grant, Wade Dunkley, Mike Anderson, Steve Mages Seated: Lee Luebke, Ben Pawlak, Al Feist, Jeff Luedloff & Julie Abbott attended the December meeting.

We had the usual lively discussion of lots of woodturning subjects. Surprisingly, no one brought examples of their work



### SE Metro

The SE Metro sub group will hold its January meeting Jan. 24 at Dave Olson's shop. The 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 2<sup>nd</sup> or 3<sup>rd</sup> 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 <u>Woodmanmn@aol.com</u> to be included in the announcements for the SE Metro group



#### Lake Johanna Sub Group

The sub group organized by Gordon Fay, meets in an informal setting in Arden Hills at 3355 Lake Johanna Blvd, Arden Hills MN

Watch the website for the next meeting at Dave Carlson's shop, the big white house on the corner of Stowe(enter from Stowe Ave). Bring any work that you have done of late, we'd like to see it. If you have work that is hard to do, bring it, we will see if we can help work it out. Contact Gordon at <a href="mailto:fayboy2@comcast.net">fayboy2@comcast.net</a> to be added to the announcement list



Gordon Fay, founder of the Lake Johanna Sub Group

Mark Fay, Gordon Fay, Chad Anderson, Mike Rohrer, Jerry Hanscom, Andrew Chandler, Gary Orlich, Jerry Hanscom, Dan Larson and Dave Carlson attended the December meeting







Chad Anderson & Andrew Chandler



Jerry Hanscom brought several bowls with questions.





A discussion of finishing materials included General Finish's "Salad Bowl Finish" which has been renamed "Wood Bowl Finish". The recommendation was to use this on a wet turning and let it harden overnight.









Dan Larson brought his birch box. These boxes are usually made with birch bark in an oval shape. Dan used wet birch, which he let "oval out".









Chad Anderson brought a "work in progress", a rosewood bowl. It's surprisingly dense wood.



Dan Larson gave a good demonstration of using bowl gouges and explained Stuart Batty's "40/40" bowl gouge for doing the interior bottom of bowls



**Andrew Chandler** asked for advice on making scoops



Lake Johanna

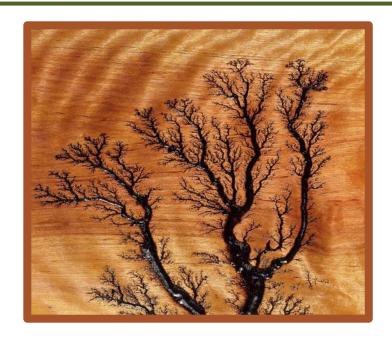
### **North East Metro Sub Group**

The newest sub group, NE Metro, plans to meet the Saturday after our regular MWA Meeting. Please contact Rick Auge if you would like to be included in our list for meeting announcements. We have space for 12 people.

If you would like to be included in announcements for the meetings, reply to Rick Auge: <a href="mailto:rauge2003@gmail.com">rauge2003@gmail.com</a>.



# FRACTAL BURNING



Recently a craftsman in Utah nearly died when he was attempting to embellish his wooden work piece with the practice known as fractal burning. This practice can be extremely dangerous and easily fatal to anyone not completely understanding of all the electrical hazards involved; therefore, it is <u>never</u> recommended.

Continued on next page



# FRACTAL BURNING

Fractal burning basically involves a high voltage source of several thousand (or more) volts imposed across the surface of a workpiece, such that breakdown of the wood surface occurs. "Leakage current", in the form of random electrical arcing, causes an etched, burning effect in the wood surface, which admittedly is artistic. This involves the use of an elaborate high voltage test set instrument, capable of producing very high voltage outputs of 0-20,000 volts, or more. (This is not to be confused with embellishment burning in wood by high current that is done by safely converting an automotive battery charger.)

A couple of years ago, after several tragic fatalities by woodturners attempting this artistic "fractal" embellishment technique, the AAW took responsible and immediate action by strongly discouraging and forcefully forbidding the demonstration of fractal burning demos at all MWA chapter clubs internationally.

Continued on next page



## FRACTAL BURNING (cont'd)

There are now so many other safe embellishment options to choose from including color dying, milk paint, mixed media, segmenting, liming wax, shaving cream, standard wood burning sets, as well as from a safely converted low voltage automotive battery charger set.

This is primarily intended as an alert to new MWA club members who might be unaware of the previous warnings to club woodturners issued two years ago by the AAW and other woodturning affiliations.

Link to article about the Utah fatal accident: <a href="https://www.ksl.com/article/46693681/utahn-hospitalized-after-being-electrocuted-while-wood-burning">https://www.ksl.com/article/46693681/utahn-hospitalized-after-being-electrocuted-while-wood-burning</a>

Lee Tourtelotte



# **Editor's Notes**

- •LIBRARY Our video library is outstanding. Nevertheless, it is somewhat overwhelming to approach it cold turkey in the short time before the meeting. An excellent 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 ASK A TURNER and send me your tips to the feature, Tips for Turner
- We are all looking forward to another year of great MWA activities!

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