

Minnesota WoodTurners Association

A LOCAL CHAPTER OF THE AMERICAN ASSOCIATION OF WOODTURNERS

AAW | AMERICAN ASSOCIATION
OF WOODTURNERS

Volume 2017 No 6



**December
Demonstrator
Jim Jacobs
Turning Ornaments
Between Centers
(no chuck)**



Minnesota Woodturners Association

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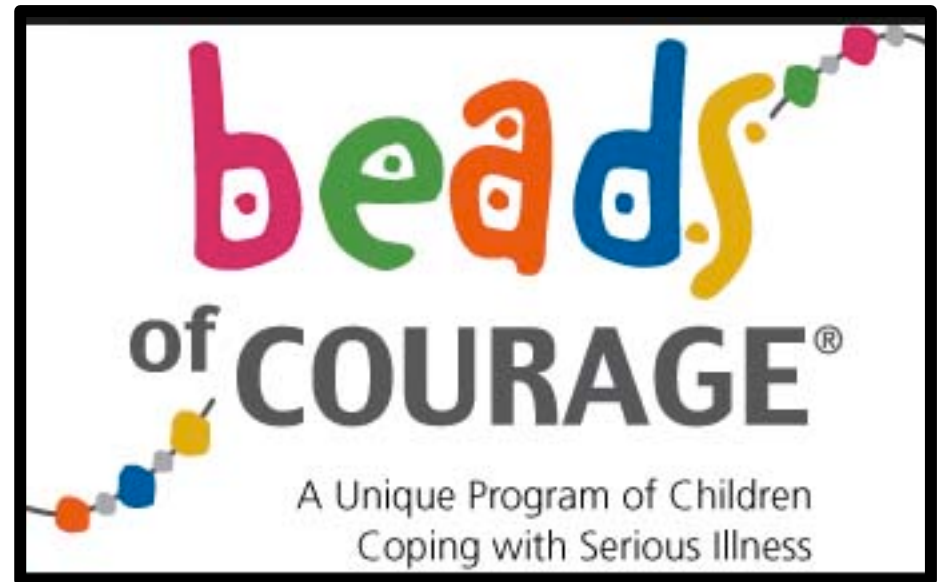
Mike Rohrer - Newsletter

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The Beads of Courage program has been evaluated over the past 8 years. Major benefits of the program are that it helps to decrease illness-related distress, increases the use of positive coping strategies, helps children find meaning in illness and restores a sense of self in children coping with serious illness. The program also provides something tangible that a child can use to tell family and care-givers about their experience during treatment. The beads also help explain to teachers and friends what has happened to them whilst they have been away from school. Parents of younger children enrolled in the program can use the beads in the future to explain to their child what they have been through.



The beads help the children to take ownership of their journey and to make sense of the experience they are going through in a very visible and tangible way. The beads give them a tool to explain it to themselves and others, adults, medical professionals, brothers, sisters, friends and say to everybody “this is my story, this is what I’m doing – its not nice but I’m strong and I will get through it”.

Bob and Diane Puetz organize the Beads of Courage program for the
Minnesota WoodTurners Association.

These bowls have brought smiles to children and their families going through some rough times.... and are much appreciated! All members are encouraged to participate in this very worthwhile program.



Instant Gallery



Steve Mages

Some times a game piece.
Sometimes gives unbearable
pain.

The answer while hard is
always in question.



This is a competition.

Sometimes it can be perfect.

Brings light to the darkness.

The third one to use me is
considered



Mark Debe

Most of the Instant Gallery
submissions this month did not
have members' names attached



Before the Meeting



Addicts drawn to their addiction:
TOOLS



Lee Tourtelotte
and Tom Sciple
peruse the
selection of tools
Linda Ferber
brought from the
AAW



Dan Ernst got a good deal
on a set of tools



Diane Puetz and Paul Laes



Pre-meeting donuts



Al Feist & Denny Dahlberg enjoying
the pre-meeting donuts



Before the Meeting



Glenda and Jim Dalman



Lyle Bye & Dick Hicks prepare video



Ken Crea managing membership



Rosanne Gold and Mike Rohrer



Steve Mages and
President Rick Auge



Kirsten Holtz talks with visitors,
Matt Mead and Kate Kulder



Before the Meeting



MWA members gathering for the December meeting



Danny Judd discussing hidden hinge
in a box brought by Kirsten Holtz



Warren Gerber & Mike Lucido discussing library material



- President Rick Auge pointed out that upcoming classes are on the website. So please keep checking the website.
- The short video from AAW was by Jimmy Clewes talking about grinding a bowl gouge to negotiate the entire inner surface of a bowl.
- Rick said that the tool sale in the front room was for the benefit of AAW.
- The father of our member, Aaron Timmerman, who was killed in the tragic diving accident in Lake Superior, brought Aaron's wood to be used in the wood raffle.
- The author of the book about lefse, who sponsored a lefse pin contest last year for our club, has donated a book to be used in next month's tool raffle.
- Guests may not attend more than 2 meetings without joining MWA.
- If you are not receiving email blasts from MWA, contact Ken Crea



Announcements



President Rick Auge makes announcements as Jim Jacobs prepares his demonstration



AAW "Tips" video was Jimmy Clewes discussing grinding a "bottom feeder" gouge

December Demonstration

Jim Jacobs

“Turning Ornaments Between Centers (no chuck)”



Jim began by saying that he did demonstrations in order to hone his public speaking skills --- He says so far it hasn't worked!

Jim has been making birdhouse ornaments for over a decade and his design and method of construction have evolved. His demonstration is based on “low tech”, not “high tech”. He is going to show how to hollow end grain without a chuck, how to drill perfectly centered holes without a Jacobs (no relation) chuck, and other simple shop procedures.



**December
Demonstration
Jim Jacobs**



Jim has made 65 kits that contain everything needed for the ornament, down to the screws, wire and ribbon. All the wood pieces are pre-drilled. Mike Rohrer and Lee Tourtelotte made enough step-by-step direction booklets for everyone who purchases a kit to have detailed instructions.

All money earned from the sale of the kits will be donated by the MWA to the **Lighthouse/Enchanted Hills for the Blind Camp for the Blind**, run by former MWA member, George Wurtzel, a blind woodturner and woodworker. Twenty dormitory cabins at the camp were destroyed in the Napa Valley fires this autumn.



SUCCESSFUL WOODTURNING IS ALL ABOUT SUPPORT

- **SUPPORT** YOUR LATHE
- **SUPPORT** YOUR WOOD
- **SUPPORT** YOUR TOOLS

Jim posted this sign on the
whiteboard behind the
demonstration area



**MWA Birdhouse Ornament Fund Raiser Club Project –
Lighthouse for the Blind Camp
Compete Kit with Step by Step Directions -- By Jim Jacobs**



The kit contains everything you will need, including:

- Waste block
- Pre-drilled house maple blank
- Finial and perch walnut blank
- Roof walnut blank with surrounded "white snow" blank
- Screws, wire and ribbon



1. Mount a faceplate on the waste block using the 1 ¼" included screws



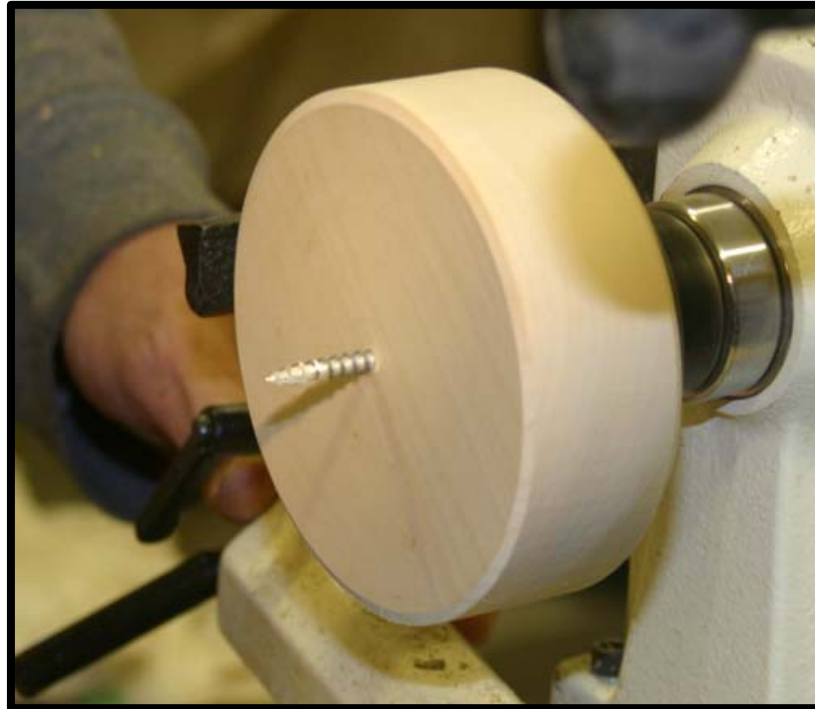
Safety tip: never use drywall screws, They are brittle and can snap off. Commercial grade screws called "ultimate screws" work great. These are available in 100 packs at Woodworkershardware.com Also ask for their catalog ...900 pages with tons of stuff.



- 2. Insert a tapered, pointed live center in the tailstock**
- 3. Turn on the lathe and drive the live center into the waste block**
- 4. True up the waste block using a 3/8" spindle gouge**



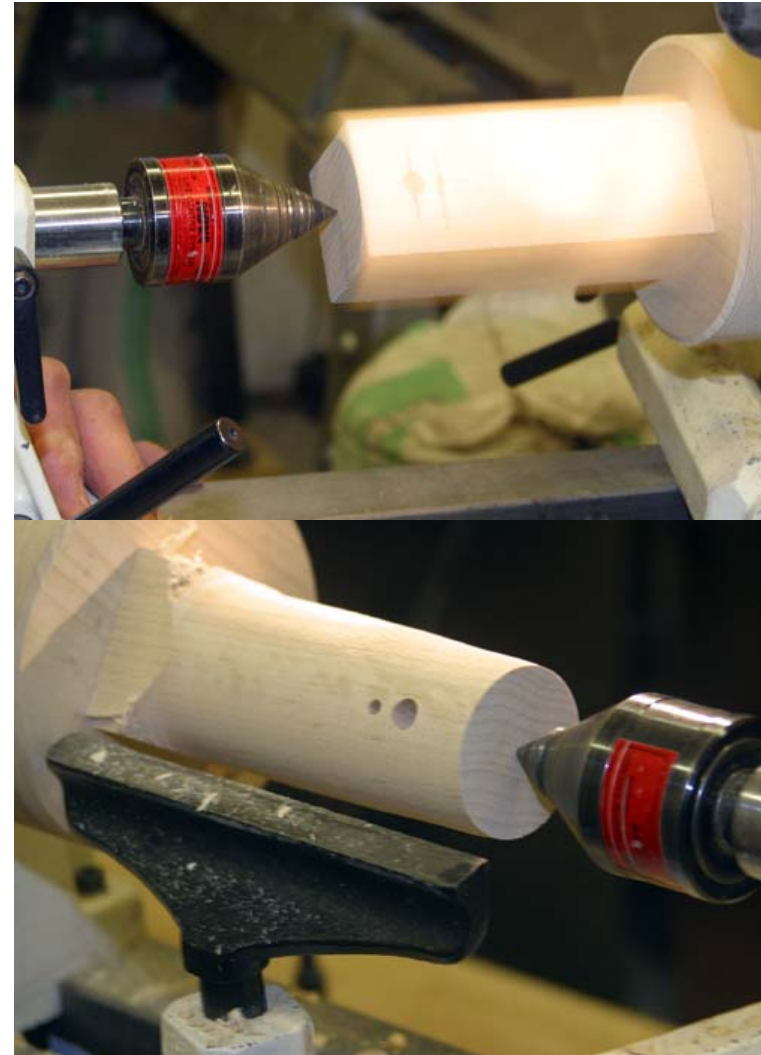
- 5. Drill entirely through the center point of the waste block with a 1/8" bit clamped in vice grips**
- 6. Remove waste block with faceplate from the spindle**
- 7. Screw the 3" long screw through the waste block from the back side**



- 8. Mount the waste block/faceplate back on the spindle**
- 9. You now have a small screw chuck - check to confirm that the screw runs true**

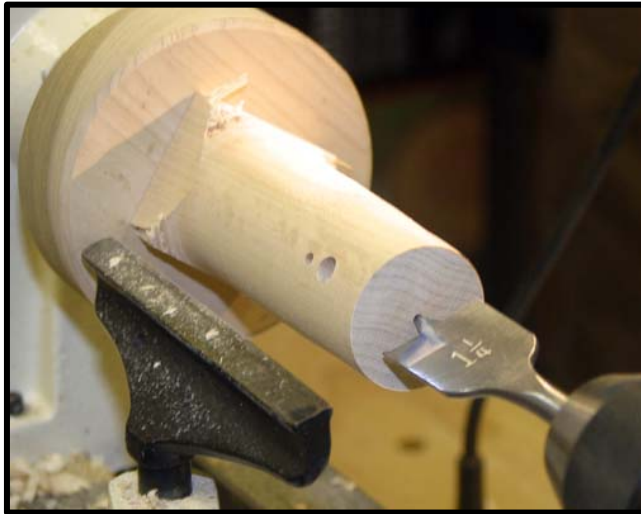


- 10. Screw the maple body blank onto the screw using the pre-drilled hole. If any slipping occurs, remove the screw chuck from the lathe and drive the screw into the blank using a cordless screwdriver. Make sure the pre-drilled holes on the side of the block are at the tailstock end, not the headstock end**
- 11. Turn a cylinder from the maple body blank with a spindle-roughing gouge**



12. Hollow the birdhouse. This can be done with a 1 ¼ " forstner bit, spade bit, or by hollowing with turning tools. Jim uses a skew and round nose scraper.

13. Leave the wall of the birdhouse thick enough to contour the outside shape (~ ¼")



14. Mark the length of the birdhouse on the cylinder, about 2"

15. Bring the tapered live center into the opening to stabilize the birdhouse

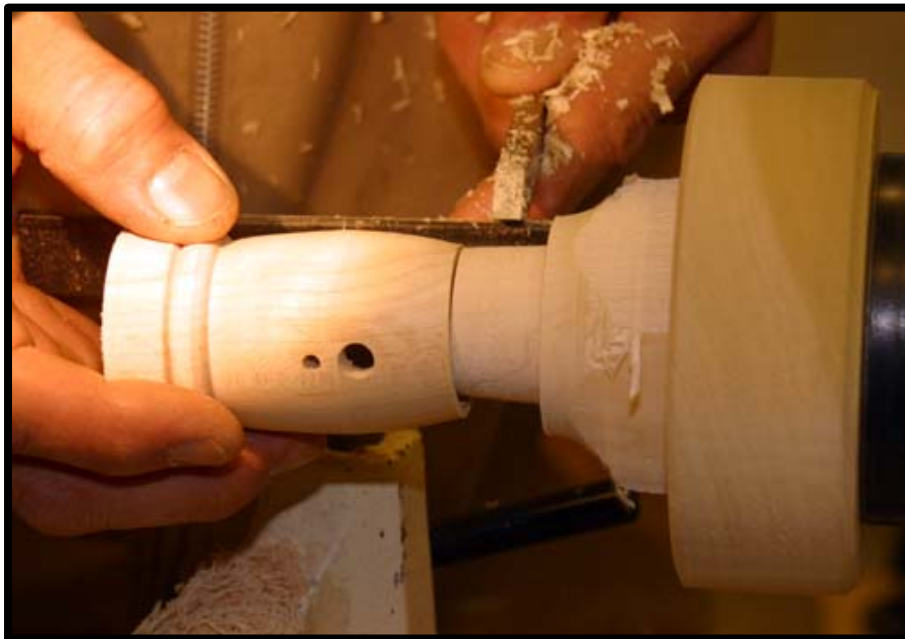


- 16. With a very thin parting tool, part slightly into the cylinder to mark the length of the birdhouse**
- 17. Contour outside of the birdhouse with a 1/8" taper, from the center to each end**
- 18. Turn a bead at the bottom of the birdhouse**
- 19. Part off the birdhouse leaving at least ½ " of wood beyond the bead**



20. Turn the remainder of the maple body blank with a slight taper to make a tenon that will provide a jam-fit for the hollowed birdhouse to the headstock

21. Get a good fit of the birdhouse to the tenon but MAKE SURE TO HAVE AT LEAST A HALF INCH BETWEEN THE TOP OF THE BIRDHOUSE AND THE WASTE BLOCK SO YOU CAN PRY IT OFF WITHOUT DAMAGING THE BIRDHOUSE



22. Turn the bottom making a cove that will be made concave at the end to ensure a tight fit of the finial. The concave areas should be at least 3/8" in diameter.

23. In the center of this concave area, using a 1/4" bit, drill through the bottom of the birdhouse. Note that Jim uses a vice grip to securely hold the drill bit.



24. Sand the birdhouse to completion. Remove birdhouse body from the jam chuck

25. Mount the roof block to the screw chuck using the pre-drilled hole. Turn on lathe and advance the live center into the blank.

26. Start turning a cove to make the roof toward the tailstock. The snow on top of the roof will start to emerge as you continue to "cone shape" the roof .



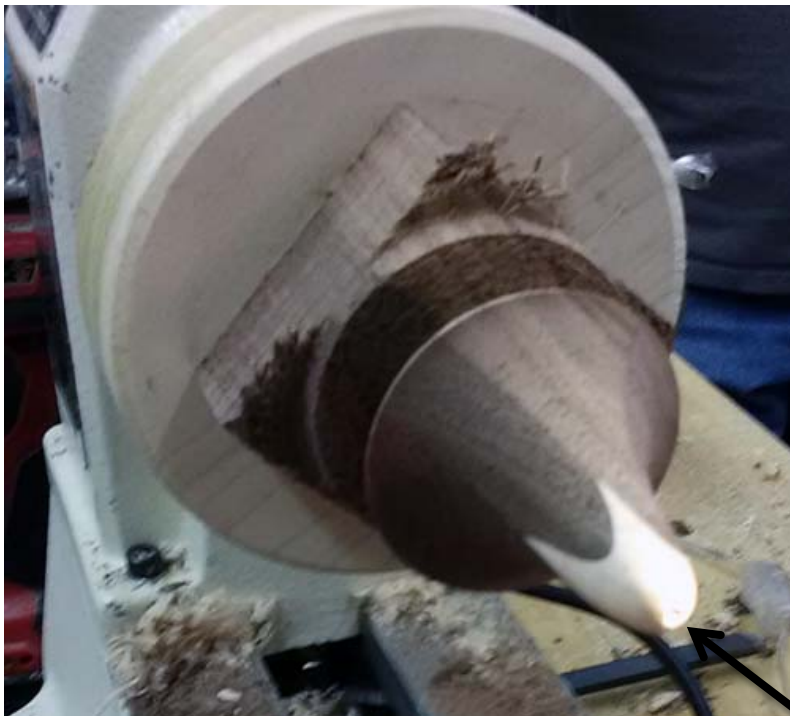
27. Smooth & shape the cove for the roof with a round nose scraper

28. Cut a tenon on the base of the roof that will snug fit into the top of the birdhouse body. Undercut the roof to ensure a good fit to the top of the birdhouse



29. Dimple the end of the tip of the roof with the point of the skew

30. Drill all the way through the roof with a 1/8" bit holding the bit in a vice grip



Dimple



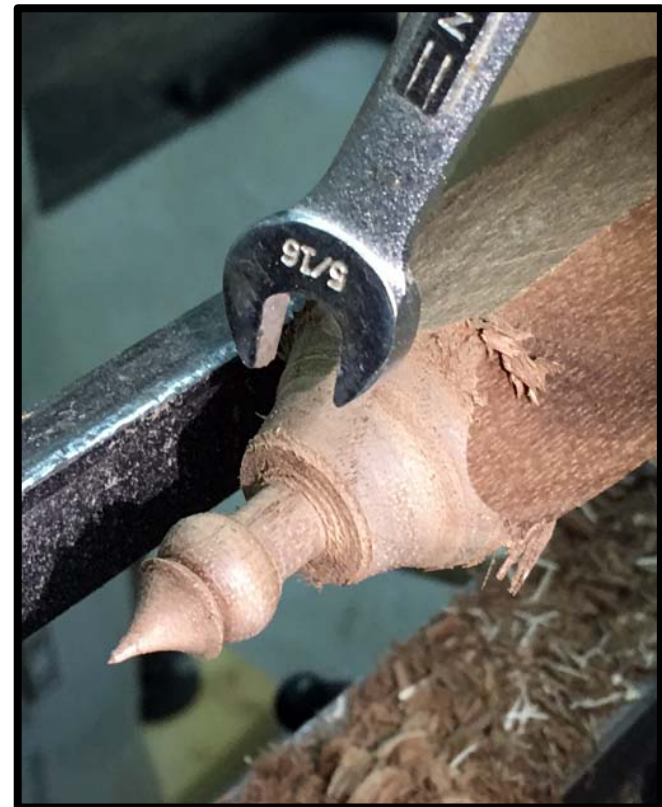
31. Sand the roof to completion and part off the roof

32. Countersink the hole at the base of the roof (to facilitate pulling the ribbon through, from the roof bottom and out the top, which will be completed in step 36)



33. Remove the remainder of the roof blank from the screw chuck and put the finial blank on the screw chuck

34. Turn a ¼" tenon on the bottom finial. Use an open-end wrench as a caliper (in these pictures the tenon was made for a 5/16" hole). Part off the finial, check fit to the birdhouse body, trim as necessary.



35. From the remainder of the finial blank, turn a perch approximately $\frac{3}{4}$ " long. Taper the end so there is a tight fit into the perch hole in the birdhouse.



Completed birdhouse
with finial



36. Attach the ribbon:

- Tie a knot in the end of the ribbon
- Pass the wire from the kit through the ribbon
- Thread the wire through the roof from the bottom
- Pull the ribbon out the tip of the roof BUT NOT ALL OF THE WAY
- Put a blob of hot glue in the countersunk area at the base of the roof
- Pull the ribbon so the knot becomes fixed in the blob of hot glue



37. Glue the roof to the birdhouse, Glue in the finial and Glue in the perch.

38. Finish. Jim suggests using Mod Podge spray finish available at Wal-Mart or Michael's. One coat will make a nice finish for the ornament, but he recommends 2 coats of the gloss spray finish, sanding lightly between with 220 sandpaper.



Thank You! -- Your participation in this fund raiser project makes possible our club donation to help restore George Wurtzel's Lighthouse/ Enchanted Hills for the Blind Camp.

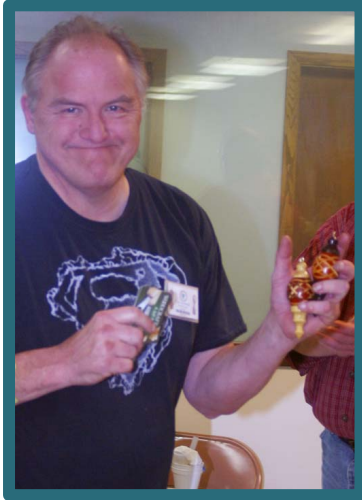


Questions about the birdhouse ornament ...anything I demonstrated or turning questions in general, please e-mail me at Woodmanmn@aol.com



Jim Jacobs

Member Challenge - Holiday Theme Turning (page 1)



1st Place Eric Koslowski



2nd Place Ken Hallberg

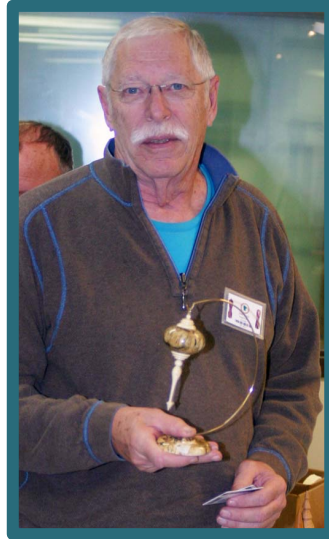


3rd Place Denny Dahlberg



Member Challenge - Holiday Theme Turning (page 2)

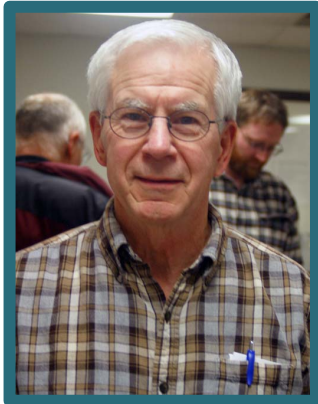
4th Place Dan Ernst



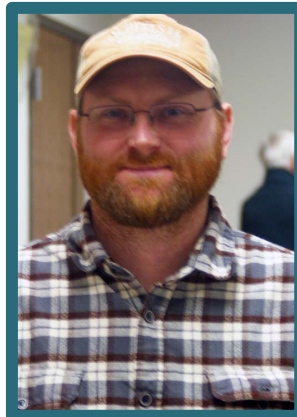
5th Place Ken Gustafson



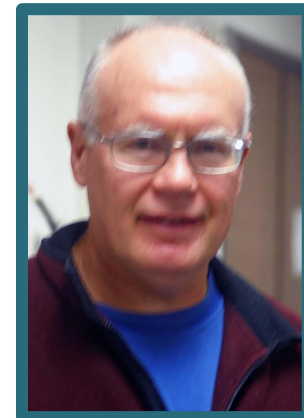
Welcome New Members!



Ron Antos
Hanover



Dan Bergman
Burnsville



Paul Severson
Roseville

Dave Anderson
Fergus Falls

Don Sparish
Minneapolis

Paul Oare
Spring Park



Next Meeting

January 6, 2018 - Saturday morning 9 am

Location: Houck Machine Co.

12811 16th Ave N Plymouth Mn 55441

DONUTS

Demonstration: Alan & Lauren Zenreich

This will be a “remote learning” class with 2-way video from their studio to our meeting.

Member Challenge:

Candle Stick Holder, either a single object or a matched/ coordinated set, e.g. see Rude Osolnik work





PROFILES IN TURNING

Steve Mages

This is the fifth in a
series of profiles of
members of the
Minnesota Association
of WoodTurners



MWA: Steve, when did you start woodturning?

STEVE: Technically, I suppose 2004. Two weeks after I retired I bought a lathe. Before that I had dabbled in woodworking, but while I was working I really didn't have enough time to get really involved.



Steve's first lathe

MWA: How long have you been a member of MWA?

STEVE: About 11-12 years. I didn't know about the MWA when I retired and first started turning.

MWA: I know that when I first met you I mispronounced your name. How should I pronounce your last name?

STEVE: "Mah' Gus"

MWA: What got you started in turning?

STEVE: I had always been intrigued with being able to make things on a lathe. Probably like a lot of turners I was introduced to the lathe in high school wood shop. It seemed like making bowls would be kind of fun. Buying the lathe was sort of a spur of the moment thing; I only had a corner of the basement to set my lathe in. I can't even tell you why I bought the lathe and started turning.



MWA: How did your turning progress?

STEVE: I don't know how to answer. I just kept turning and then turning more. My very first bowl was a segmented bowl. Then I found out that people used blocks of wood for making bowls. It's just a hobby; I make bowls and give them away. I have gotten very good at collecting wood. I've given lots of wood to the club over the years. The problem is that it goes bad if you just keep it. I supply my neighbor with lots of very good firewood.



Ipe goblet



MWA: Where and how big is your shop?

Profile
Steve Mages

STEVE: We had a detached 2-car garage that had finally deteriorated beyond repair. Six years ago my wife and I said, "Let's tear this down and add a garage, a shop, a sewing room and storage room."



Steve's shop – the
envy of all who see it



MWA: From the street it just looks like a standard, attached 3-car garage.

STEVE: My shop is 20' x 40'. My wife is a quilter and she got a very large sewing room and storage room. The back yard slopes down a bit where we put the addition and I asked the contractor if we could have the floor of the shop at the level of the back outside door landing, below the level of the garage. It worked and as a result I have a shop with an 11' ceiling. I put heating in the floor and, because this was being built specifically as a shop and I didn't want cords all over the place, I ran a circuit down the center of the floor with 4 separate outlets.



Steve's wife has room for a 14' quilting sewing machine



Steve: I have 3 dust collection systems. A standard one hung from the ceiling that I don't use very much, a 2-stage collector for dust collection at the lathe, and I built a large one myself that's at the back of the shop near the ceiling. It has a 17" fan and the unit can clear this entire shop in 5 minutes.

I may not deserve this shop, but I've got it.



Steve's home built
dust collecting
humongatron

MWA: I love your wall of cabinets.

Steve: I was very lucky and got these for free!



MWA: What kind of lathe do you have?

STEVE: I have 2 lathes. The first lathe I bought is a large Craftsman, the 15/30. I used this for 9-10 years. The 2nd lathe is an interesting story. A member of the club who was moving into a retirement center and had no room for his lathe but didn't want to give it up contacted Neil Robinette who was then president of the MWA. His lathe was a big Powermatic. The agreement was that it would live in my shop but he could use it anytime he wanted. This is not very often and he spends quite a bit of the year in Arizona. So, I am "babysitting" this Powermatic, which has become my main lathe.



Steve is running a
"lathe care" center

MWA: What is your favorite type of turning?

STEVE: Bowls, hollow forms, platters, mostly because I am making gifts. I've dabbled in multi-axis turning and I took the class in November from Jason Clark. I would like to make more multi-axis turnings. I like to make bowls for the "Empty Bowl" fundraiser* that raises money to fight hunger. It is an international project that involves artists and art organizations on a community level. Kids make ceramic bowls; other artists make various kinds of bowls. I make bowls for the silent auctions and I give bowls to other fund raising activities.



[Ed. note: "Empty Bowls" allows participating artists and groups to create and donate bowls, then serve a simple meal. In some communities, ceramic artists are joined by wood turners, glassblowers, fiber artists, metal smiths, painters, sculptors, and other artists and craftspeople. Guests choose a bowl to use that day and to keep as a reminder of all the empty bowls in the world. In exchange for the meal, and the bowl, guests contribute a suggested minimum donation. One hundred percent of each meal's proceeds are devoted to local hunger-fighting organizations, such as food banks or soup kitchens, or to national or international charitable groups.]





This is a “working” bowl, which is at least 17” in diameter, commissioned by a person in the food industry



MWA: What is your greatest challenge in woodturning?

STEVE: Making a smooth surface with bowl gouges. I can’t get the surface smooth enough to start sanding with 220 grit like some turners claim. I am always trying to improve. And, of course, I need to improve with the skew, like most turners.



MWA: What type of wood do you prefer, wet or dry? Also, what are your favorite species to turn?

STEVE: I do both, but green wood is easier to turn. I do lots of double turns. I basically use what I get. You have to work green wood relatively soon so it doesn't split. I have too many green wood "first turns" that I will never get to finish. I have done some boiling in the past that worked for me. I rarely buy wood. My favorite species are hardwood species that I can get, usually walnut and cherry. However, I'll turn whatever I can get. I also like box elder and apple, although apple seems to fade easily.



Steve's method of drying bowls is his Drying Box.



For Steve it is more convenient and works just as well as individual bags or other methods of drying



MWA: Do you have some favorite pieces that you wouldn't give away or sell?

Profile
Steve Mages

STEVE: I have a couple, but anything would go for the right price. I don't have anything I wouldn't sell; I don't have any piece that I'm really attached to.



Saturn – “planet” and
inner ring turn



Multi-axis turned box



Steve took Jason Clark's multi-axis
class and would like to do more multi
axis turnings



MWA: I know you said you retired in 2004. What did you do before you retired?

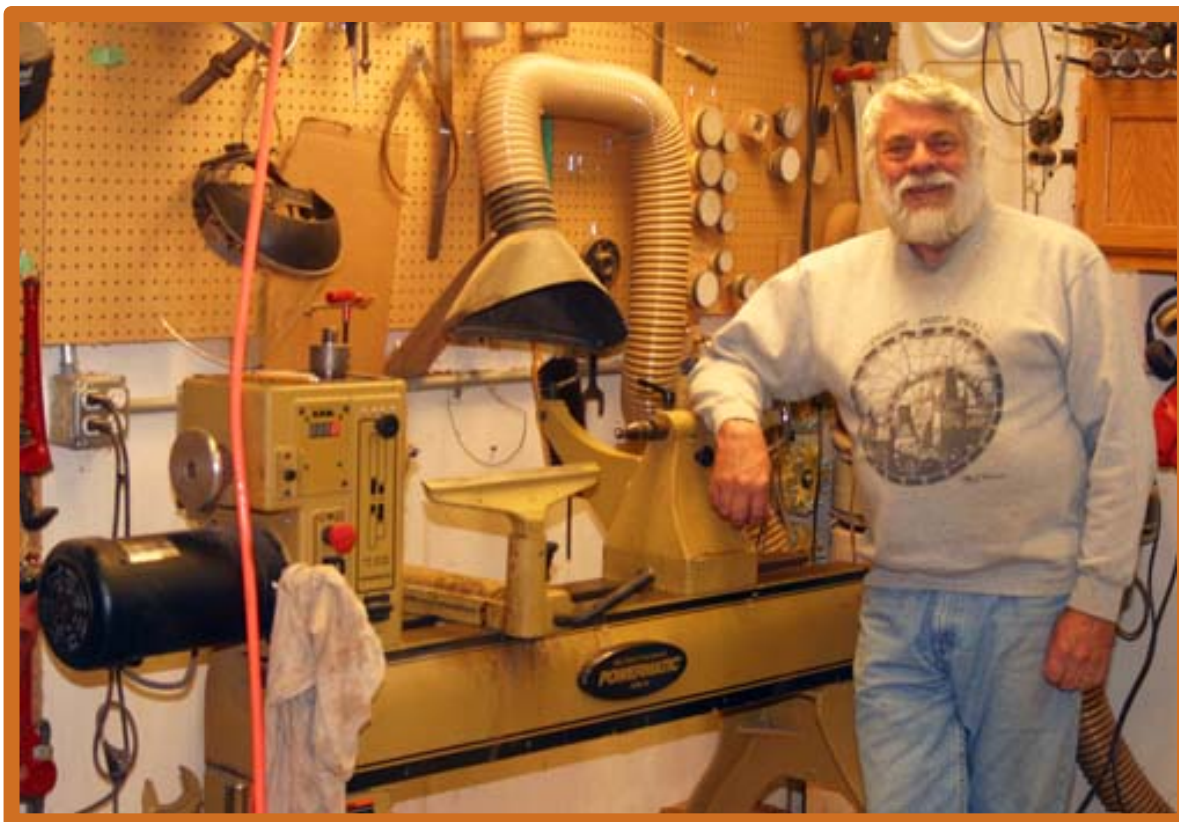
STEVE: I did IT work for Valspar. Valspar fit what I was looking for, a Fortune 2nd 500 industrial company. I worked for them for 26 years. I mostly did system analysis and system design. I did some system support.



MWA: Can I call you for help with my devices?

STEVE: I'm not that good at it. PCs have become a "black box". I also can't work well with apps – a lot of the new stuff doesn't make sense to me; it doesn't seem well designed.

Profile
Steve Mages



MWA: Any last thoughts?

STEVE: I really enjoy the club. I like to meet all the people and I really like to learn new stuff. Woodturning for me is still a HOBBY – a great way for me to spend my time. That's the bottom line, really.



Area & Regional Meetings & Gatherings

PLYMOUTH AREA SMALL GROUP

Next Meeting: Tuesday, December 19th– 7:00 PM

The usual meeting place is [10501 Belmont Rd, Minnetonka](#).

Steve Mages [952-544-5286](#)

As usual, bring a turning, problem or idea to share. As usual, bring a turning or problem to share. All questions and tips are welcome. We might spend a little time talking about bringing out the best character of wood with different finishes.

•Hamburger Club

The November meeting was held Wednesday, November 15th at 50's Grill in Brooklyn Center. Attending were Neil Robinette, Joe Zwirn, Mike Rohrer, Mike Hunter, Bob Puetz, Gar Brown and Steve Mages. Several bowls were brought and discussed. A discussion of how to calculate the angles and sizes of segmented pieces was very helpful to a couple of the attendees who haven't done segmented turning.

We generally meet the Wednesday or Thursday of the week following the club meetings. Our December meeting is Wednesday, Dec. 13. We meet at 11:30 am with lunch to be ordered about 11:45 am.. No topics ... just an open dialogue of woodturning friends.

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

50's Grill, 5524 Brooklyn Blvd, Brooklyn Center



Area & Regional Meetings & Gatherings

SE Metro Sub Group

The S.E. Metro sub group met Friday, November 17 at the home of Steve Miller in River Falls, Wisconsin. Steve's home and shop were excellent venues for the meeting. Attending the meeting were Mike Lucido, Bob Hansen, Warren Gerber, Dave Olson, Doug Ashton, John Schultz, Jim Jacobs, Lee Tourtelotte, Mike Rohrer and Steve Miller.

The first part of the program, which continued a short time after lunch, was an evaluation by Steve Miller of sales appeal and estimation of likely selling prices for turned items brought by members of the group.



Group having coffee and admiring a wooden art work of Steve's on the wall



Lee Tourtelotte and John Schultz examining pieces brought for evaluation

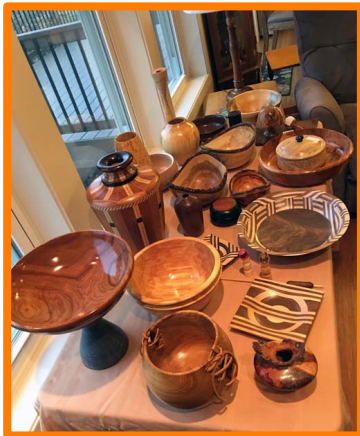


Jim Jacobs and Doug Ashton discussing Jim's maple and walnut plate



Area & Regional Meetings & Gatherings

A large number and wide variety of turnings were brought and Steve evaluated each piece as to appeal at craft shows and art fairs. Steve has years of experience in both types of venues and did a good job of explaining the differences in the two types of shows, including types of customers; level of knowledge and appreciation of types of woodturnings; what customers are likely to purchase and for how much; the difference for the woodturner regarding entry as a distributor/artist; and what is involved with the workings of a show.



Jim Jacobs and Steve Miller discussing a segmented hollow form



Area & Regional Meetings & Gatherings

Steve's wife, Sue, provided a delicious chili lunch with both white and red chili and all the fixin's as well as tasty dessert.

After the "evaluation" portion of the program the group went into the shop where Jim Jacobs demonstrated the kit he is putting together for the ornament he will demonstrate at the December MWA meeting. Jim will sell the kit as a fundraiser for rebuilding of George Wurtzel's **Lighthouse/Enchanted Hills For the Blind Camp**. The process helped Jim with the step-by-step explanation and was a close-up view and explanation for the attendees. Mike Rohrer and Lee Tourtelotte took pictures and notes to help make the detailed explanation, which will be part of the kit.



Details of the process for making the ornament will be available at the Dec. 2 MWA meeting and in the December newsletter



MWA Classes

Jason Clark presented a hands-on class on November 10 and a demonstration on November 11. Photographs of the demonstration are provided by Tom Sciple.



Toroid Turning



Jason's Examples

Toroid

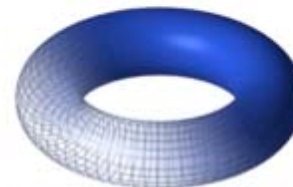
From Wikipedia, the free encyclopedia

Jump to: [navigation](#), [search](#)

For other uses, see [Toroid \(disambiguation\)](#).



A toroid using a square.



A [torus](#) is a type of toroid.

In mathematics, a **toroid** is a [surface of revolution](#) with a hole in the middle, like a [doughnut](#), forming a solid body. The axis of revolution passes through the hole and so does not intersect the surface. For example, when a rectangle is rotated around an axis parallel to one of its edges, then a hollow rectangle-section ring is produced. If the revolved figure is a [circle](#), then the object is called a [torus](#).

What is a toroid?

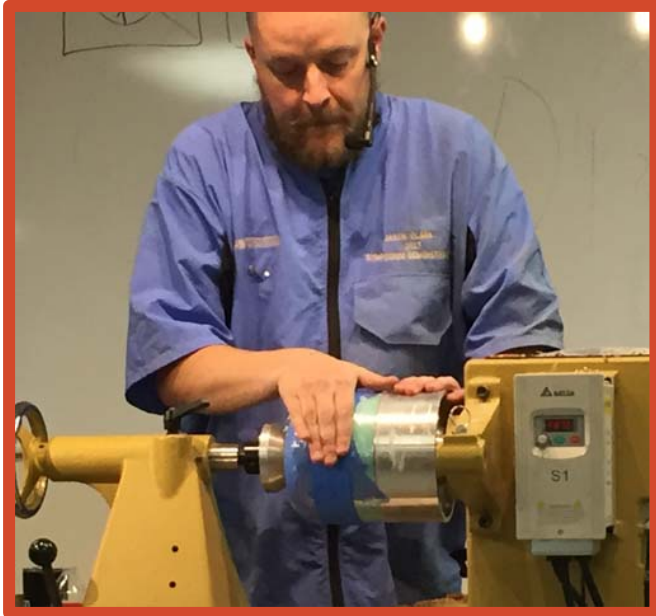
Toroid Turning (cont'd)

Jason Clark



Toroid Turning (cont'd)

Jason Clark



Toroid Turning (cont'd)

Jason Clark



Saturn Platter Turning

Jason Clark



Saturn Platter Turning (cont'd)

Jason Clark



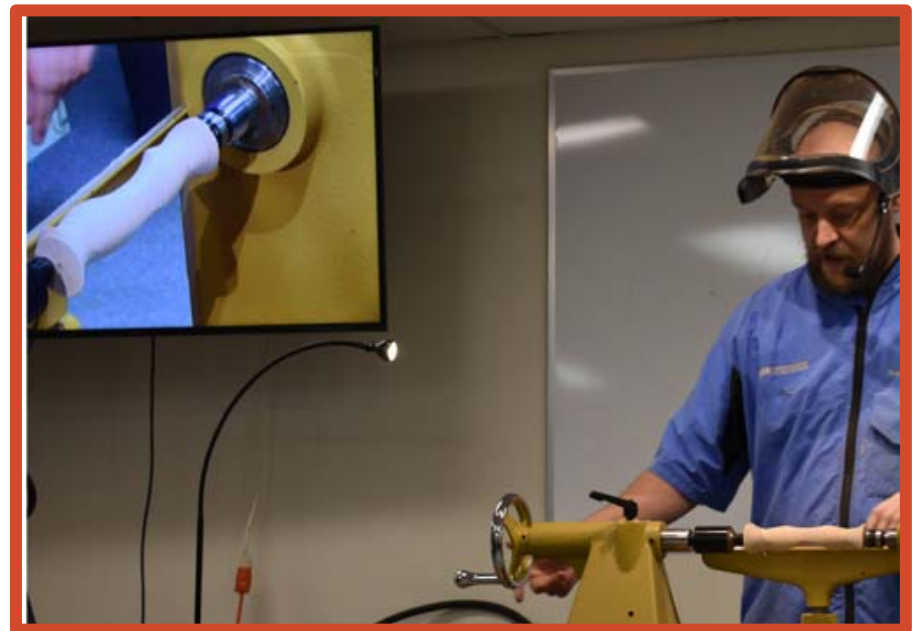
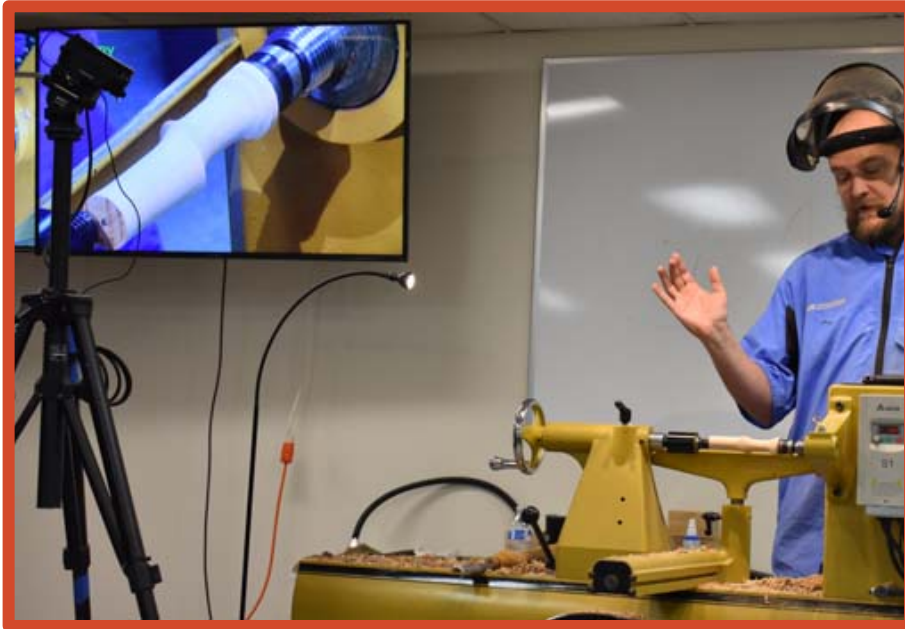
Saturn Platter Turning (cont'd)

Jason Clark



Multi Axis Turning

Jason Clark



Multi Axis Turning (cont'd)

Jason Clark



Multi Axis Turning (cont'd)

Jason Clark



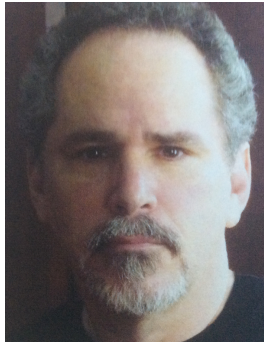
MWA Future Classes

- Shop Classes - Rick Auge's intent is: In the absence of scheduled classes it offers members an additional hands on turning / learning resource. He intends to put any open shop dates on the website calendar; members should always check the calendar for dates and instructions regarding reservation or registration.
- Because we only have 10 lathes people will have to register or make reservations for this. The exact method has not been decided because we cannot do online registration without charging a fee.
- In the past we have tried to do email reservations, however with cancellations and additions it becomes a bit email intense.

KEEP YOUR EYES ON THE WEBSITE FOR MORE DETAILS REGARDING SATURDAY SHOP CLASSES

We are in need of instructors and ideas to expand beyond our classes beyond our normal bowl and bowl variation classes.





Alan Zenreich



Lauren Zenreich



Trent Bosch

MWA Future Classes

Alan & Lauren Zenreich

Jan 6, 2018

This will be a “remote learning” class with 2-way video from their studio to our January MWA meeting.

From the Bucks Woodworkers February 2014 Newsletter:

“Zentangling and Turning. Who Knew? What a show Alan and Lauren Zenreich put on last month! There was something different every minute to catch your attention—iPhones and battery packs for video projection, special jigs and fixtures, and detailed turning and decorating techniques for small jewelry items, just to name a few. They also introduced us to zentangling. Lauren explained that Zentangling is a “structured doodling,” usually done with a micro-pen, where different shapes are filled with patterns. A web search will easily get you inspired and started.”

APRIL 20, 21, AND 22, 2018

Trent has been woodturning professionally for the past 25 years. He began exploring the art of woodturning while pursuing a Fine Arts degree from Colorado State University. Since graduating, he has fully devoted his efforts to creating one-of-a-kind sculptural woodturnings and continues to explore the possibilities this medium has to offer. During this time, he has designed and developed several turning and carving tools that have allowed him greater efficiency and speed in creating his work. He now manufactures these tools in his own facility. When not creating, he is also very passionate about teaching and sharing freely with others the knowledge and techniques he has developed. His work is displayed in numerous fine art galleries, the permanent collections of museums and craft centers, and in many private collections worldwide. Trent has taught and demonstrated his techniques for turning and sculpting wood throughout the USA and abroad.



Laguna 18-36 Vacuum, shop-made Chuck Adapter

By Neil Robinette

Editor's Note: Neil is offering these directions for making a vacuum chuck adaptor. When he started it he wasn't sure it was even going to work so he didn't take comprehensive pictures of each step. It turns out that the process worked great. He's chosen some pictures to help illustrate the process but if you want more details he is very willing to have you call him at 763-639-1085 or email him at bpwoodturner@gmail.com.

1. I cut off the top of hex bolt head leaving about two and three quarters inches of thread and smooth shaft. Then drill a 1/4 inch hole the length of the bolt on the drill press.

2. Grind the threaded side of the hose barb to fit snugly into the bearing ID, leaving room for epoxy adhesive.

3. Mount the maple dowel in a chuck, drill a 5/8" hole 2 1/4" deep. Next, drill or turn out a hole to fit the thickness and OD of the bearing, leaving room for epoxy adhesive.



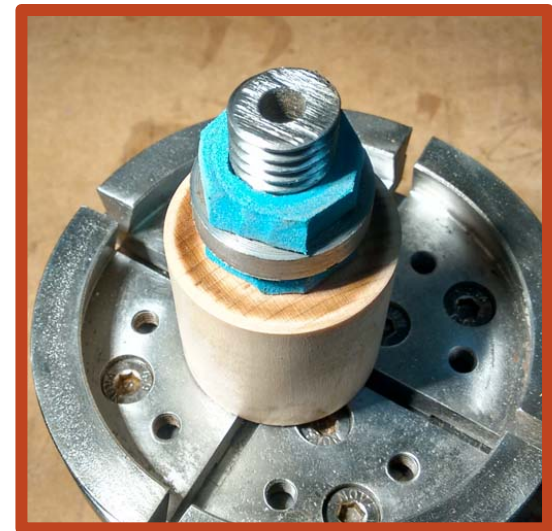
Laguna 18-36 Vacuum, shop-made Chuck Adapter (2)

By Neil Robinette

4. Sand the face and body, part off the dowel at 2", clean up the parted end.

5. Apply a light coat (if bolt fits snugly) of epoxy to both the bolt (abrade surface of shaft) and hole. Insert the smooth shaft of the bolt into the parted end of your dowel until it reaches the threads. Set aside for 1 hour minimum.

6. Abrade the surface of the hose barb and ID of bearing before epoxy is applied. Insert and set aside 1 hour minimum.



Laguna 18-36 Vacuum, shop-made Chuck Adapter (3)

By Neil Robinette

7. Last, apply a light coat of epoxy to wood and abraded OD of bearing, insert and set aside 1 hour minimum.

Notes:

After bolt is set in the dowel, thread into the lathe. Now insert finished barb/bearing into the dowel while epoxy is soft. Turn on lathe *very slowly* to adjust the barb and "true" it up as the lathe turns.

You don't want the barb to move side to side at all.

Epoxy should firm up in a few minutes, keep turning on the lathe to make sure barb is centered.



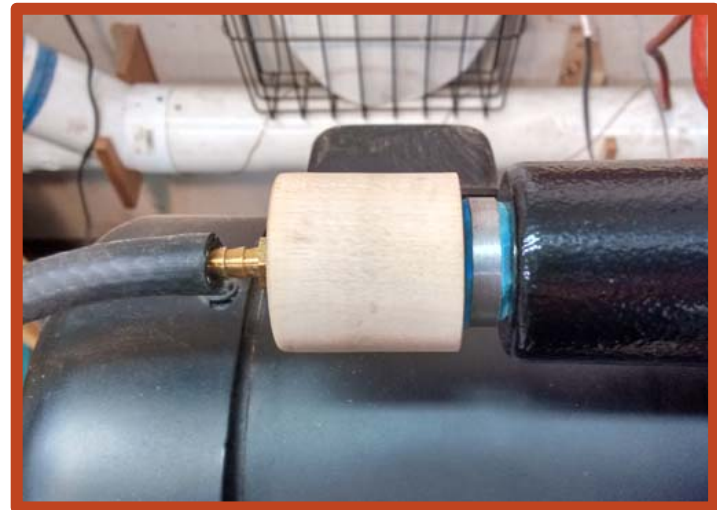
Laguna 18-36 Vacuum, shop-made Chuck Adapter (4)

By Neil Robinette

Notes (cont'd.):

I made two closed-cell foam rubber washers to seal the bolt threads by sandwiching them on each side of a washer, as shown.

Avoid at all costs getting any epoxy between the center (moving part of bearing) and the face of the bearing. The center "ring" must turn freely after the barb is set.



Materials: 5/16" x 11 x 2 3/4 " bolt; brass hose barb, 1/4 "barb x 1/8" ID, male thread; one bearing 7/8" OD x 1/4 " ID; turned hard maple dowel 1 1/2 " x 2"; 1/4 " closed-cell foam rubber.



Safety Tips

- When fastening a faceplate to a block for turning, DO NOT USE DRYWALL SCREWS. They are brittle and can snap off.

Commercial grade screws called "ultimate screws" work great. These are available in 100 packs at Woodworkershardware.com Also ask for their catalog ...900 pages with tons of stuff.

Jim Jacobs

- . Remove the chuck key immediately after tightening the chuck. The chuck key can be a lethal projectile if the lathe is started with the chuck key in the chuck.

Fine Woodworking

- The location of machinery needs to be considered in relation to exits and access routes. Would someone entering the workshop be safe if you were operating the machinery at the time? Would they surprise or distract you and put you in danger?

Paul Hannaby



Turning Tips

- At his demonstration, Jim Jacobs talked about using “burning wires” for making distinctive markings on turnings. He emphasized getting good wire with wooden handles for each end, for instance from a woodworker’s catalog.
- Al Feist and other woodturners use free “sample” pieces of plastic laminate countertop or flooring material from home improvement stores. I haven’t tried that but I’ll use thin, wedge-shaped cutoffs from dark, resinous wood to mark areas that wires can’t get to, such as decorative grooves in the bottom of bowls.
- For burning wires, I get the cheapest set of steel guitar strings at the music store (usually \$5 - \$6). The set provides “burning wires” of 6 graded diameters. An advantage of guitar strings is that they are spirally wrapped with very fine wire, which helps the guitar string/ burning wire to grab to make a fine, detailed line. I put simple, wood handles on the ends of the wires at a comfortable length by threading the wire through a hole drilled in the piece of wood.

Mike Rohrer, Editor



Editor's Notes

I had a lot of help with this month's newsletter.

- Tom Sciple provided photographs of Jason Clark's professional demonstration November 11.
- Lee Tourtelotte helped with the photographs and text for Jim Jacobs' fund raiser ornament demonstration.
- Neil Robinette provided material for an explanation on how to make a vacuum chuck adaptor.
- Steve Mages graciously invited me to his "Garage Mahal" workshop for this month's Profile.

Any comments or suggestions (regarding the newsletter, not the condition of the world in general) please contact me at mdrprof@gmail.com.

Mike Rohrer

