

Minnesota WoodTurners Association

A LOCAL CHAPTER OF THE AMERICAN ASSOCIATION OF WOODTURNERS Volume 2015 No 7 Rev 1 August, 2015





Mike Hunter demonstrates use of a bottom thickness gauge to Bill Campbell in the lidded box class.

<u>Minnesota Woodturners Association</u> <u>Board Members</u>

Officers

President

Rich Auge rauge2003@gmail.com (651-332-1566)

Vice-President

Fred Kogler <u>kogler@comcast.net</u> 651-283-9876

Treasurer

Mark Debe mkdebe@icloud.com

Secretary

Janese Evans janese.evans@gmail.com

Members at Large

Program Director

Linda Ferber linda@garber.org

Librarian

Ray Muno raymond.muno@gmail.com

Webmaster

Will Travis willy@willyswoodpile.com (952) 938-5414

Member At Large

Ed Mielech edmielech@gmail.com 651-332-0197

Member at large

Todd Williams toddwilli@comcast.net (651) 777-0446

Newsletter

Pete Bryant kabplb@comcast.net 763-242-3234

Education

Neil Robinette neilka@embarqmail.com 763-639-1085

In This Issue

A EVENT CALENDAR ident's Message Meetings ugust Membership Meeting 1. Pre-meeting Activities a. Bowl of Appreciation b. Instant Gallery c. A Special Treat-Cookies! 2. Meeting a. Adjust tool rest with lathe on? b. MWA elder statesman	Page 3 Page 4 Page 6 Page 7
ident's Message Meetings ugust Membership Meeting 1. Pre-meeting Activities a. Bowl of Appreciation b. Instant Gallery c. A Special Treat-Cookies! 2. Meeting a. Adjust tool rest with lathe on?	Page 4Page 6Page 7
Meetings ugust Membership Meeting 1. Pre-meeting Activities a. Bowl of Appreciation b. Instant Gallery c. A Special Treat-Cookies! 2. Meeting a. Adjust tool rest with lathe on?	Page 6
ugust Membership Meeting 1. Pre-meeting Activities a. Bowl of Appreciation b. Instant Gallery c. A Special Treat-Cookies! 2. Meeting a. Adjust tool rest with lathe on?	Page 7
 Pre-meeting Activities a. Bowl of Appreciation	Page 7
a. Bowl of Appreciation b. Instant Gallery c. A Special Treat-Cookies! 2. Meeting a. Adjust tool rest with lathe on?	Page 7
b. Instant Gallery	Page 7
c. A Special Treat-Cookies!	•
2. Meeting a. Adjust tool rest with lathe on?	rage o
a. Adjust tool rest with lathe on?	
-	D 0
b. MWA elder statesman	_
	_
c. Sandpaper discs (Ken Kruzinga).	Page 10
d. Main Presentation	
"Making Your own Tools and A	ccessories"
(Jeff Luedloff)	Page 11
e. A Pressurized Face Mask	Page 16
f. Beads of Courage	Page 17
g. President's Challenge	Page 19
h. End of Meeting	Page 21
unch Gatherings	
1. Hamburger Club.	Page 22
Area/Regional Turning Meetings	_
1. South East Regional Turning Meeting	Page 23
2. Plymouth Area Turning Meeting	•
3. Northwest Area/Region Turning Meeting	
A Classes	
	Page 24
egular classes	_
	C
	A Classes egular classes idded Box Class V and Regional Announcements

Editors Note: Please pay careful attention to the Dixie Biggs schedule on page 3. Previous dates were wrong and the classes and demo will take place at different and unusual locations.



III. MWA EVENT CALENDAR

January, 2015 6th Membership Mtg **Sharpening Systems** Nelson, Robinette, etc

13th Board Meeting

23, 24, 25, Craig Lossing, Pro

February, 2015 3rd Membership Mtg **Gluing Segmented Work Bob Puetz**

10th Board Meeting

March, 2015 3rd Membership Mtg Fun with Spindles Steve McLoon

10th Board Mtg

13, 14, 15 Nick Cook, Pro

April, 2015 7th Membership Mtg Hollowing Mark Debe

14th Board Mtg

May, 2015 5th Membership Mtg **Making Platters Steve Mages**

12th Board Mtg

June, 2015 2nd Membership Mtg Skype with Joe Hermann

9th Board Mtg

25-28 AAW Mtg **Pittsburg**

July, 2015 7th Membership Mtg **Finishes** Mark Palma

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13th Board Mtg

August, 2015 4th Membership Mtg Home Made Lathe Tools Jeff Luedloff

11th Board Meeting **Chainsaw Safety Class** Sat 22 Noon -4PM

September, 2015 1st Membership Mtg A Goblet W Captive Rings Gary Mrozek 9th Board Mtg

24,25,26 Dixie Biggs Pro 24@UofMN, 25@Salva

Army, 26 @ Auge

October, 2015 6th Membership Mtg **Pendants** Robinette and Farber

13th Board Mtg

November, 2015 3rd Membership Mtg Put a twist in your work **Todd Williams** 10th Board Mtg (Al Stirt Pro demo?)

December, 2015

No Membership Mtg

No Board Mtg

Christmas Party

IV

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August/Septen

August 19, Sharpening August 21, SE metro Me August 26 Plymouth Area W

September 4, lidded boxes, Mike September 14 Linda Ferber Multi Axis Chuck M September 16, Sharpening (

August 29, I

September 24, Hamburger Club a

MINNESOTA WOODTURNERS ASSOCIATION

on the Web. This was an enormous undertaking on his part. Maintaining the website also takes an enormous amount of time. When I say "enormous amount of time." The phrase does not do justice to the commitment.

This is your chance to get involved and help

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The growth and demands of MWA on the website using free plugins no longer met the needs of MWA. The new website will be in the test phase September 1st. Board members, and those who will be required to manage areas of the site will have one week to test and evaluate how the areas they will manage are working and if they design meets the needs. If this test phase is concluded in a timely manner, there is

nt's Message



At the November meeting there will be elections for a few MWA board members positions. All terms are 2 years.

Two current board members Todd Williams and Will Travis, both of whom have served several terms have made the decision to not run again.

Board member Ray Muno, who is also our Librarian is undecided.

Linda Ferber is running for another term.

Ed Mielech who is filling the remainder of a vacated term is running.

Fred Kogler is filling the remainder of the vacated VP term and has not committed at this point.

Other board members; Janese Evans, recording secretary, Pete Bryant newsletter editor, Mark Debe treasurer, and Rick Auge President, will continue to the end of 2016.



IV. President's Message (Continued)

One of the major changes you will see is the ability to:

- 1. Pay your dues and print out your own membership card.
- 2. Register and pay for classes at that time. This means no longer bringing checks, or cash to classes and making change.

The standard for this will be Paypal.

A slight increase in Shop Class Fees was proposed at the July board meeting and approved. This is to upgrade our equipment. We have been making inquiries to purchase three new Jet 1221 lathes. We have recently purchased new spur centers to replace old worn out drives. Ed Mielech is working on procuring tools and materials to have a 5 student pen class. Sanding and finishing supplies will also be added to shop classes.

Remember we are still looking for a location that would work well for shop classes. If anyone knows of such a gift horse, please don't keep it quiet. We do have a promise, but it depends on Neil Robinette winning the lottery.

Remember Think Safety!!!!!! Then Listen.

That's pretty darn funny coming from me.

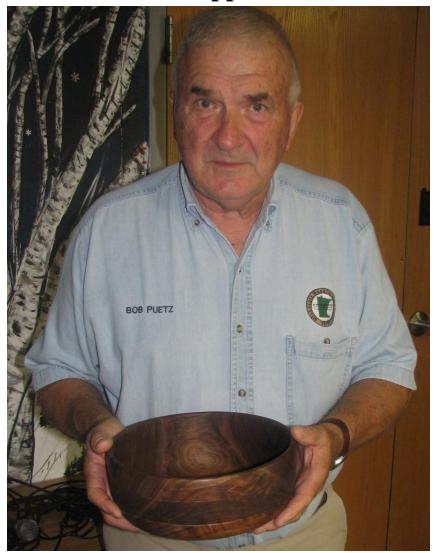
I have new stitches, I did think safety, but I didn't listen.

Rick Auge, President

A. August Membership Meeting

1. Pre-meeting Activities

a. Bowl of appreciation



A woman recently donated a walnut tree to the club that was used in the Beads of Courage Program. Bob Puetz made a bowl for that lady providing a tangible thank you for her kindness. Nice looking bowl, Bob.

A. August Membership Meeting

- 1. Pre-meeting Activities
 - **b.** Instant Gallery



The instant gallery is a monthly event. Turners bring recent work without regard to category that are particularly beautiful, clever, or unusual. Note the fine goblets, pepper mills, bowls, and offcenter turnings. The offset goblets were made by Ken Hallberg.



1. Pre-meeting Activities

c. A Special Treat-Cookies!



A recipient of one of the Beads of Courage boxes donated by the Minnesota Woodturners Association (MWA), was two-year-old Caroline. Caroline has heart problems and has undergone several surgeries. Caroline, her two sisters, her mother, Stacey, and her grandmother, Vicki, were special guests of the MWA chapter meeting. They brought cookies for the club to express their appreciation for the box. The club quickly devoured said cookies to express their own appreciation.



2. Meeting Activities

a. Adjust tool rest with lathe on?



We all know that we are not supposed to adjust the tool rest while the lathe is running-but we do it anyway. Arden Griep did so and the results are shown to the left. He was fortunate that more damage was not done. Thanks for reminding us that safety must always be kept in mind, Arden.

V. Monthly Meetings

A. August Membership Meeting

2. Meeting

b. MWA Elder statesman



Rick Auge introduces Jack McGowan who was a member of MWA about 30 years ago. He recently rejoined the club. He brought some current turnings to share and had some good wood turning observations.



2. Meeting

c. Sandpaper Discs





Disc Punch

Jeff Loedlof invited anyone who had made their own tools to share their experience. Ken Kruzinga responded by showing and demonstrating the punch that he had made on a metal turning lathe to make abrasive discs from abrasive sheet material with hook and loop backing. The punch of the desired diameter is stuck with a hammer into the abrasive sheet supported by flooring material producing the desired disc. Ken's system is shown on the left. Since Ken has access to machine shop equipment that is not available to others, he offered to share his system with members who wished to use it.

After the meeting, Ken discussed his system with Kent Lanners (picture on the right). Kent is a new member who is wheel chair bound. He attended the recent class on bowl turning and successfully completed his first bowl using the new lathe stand for the wheel chair bound. He believes the MWA is wonderful for beginners and appreciates the fact that everybody helps.



2. Meeting

d. Main Presentation

"Making your own tools and Accessories"

Jeff Luedloff

Over view

Jeff started by explaining his start in wood turning in 1986. He obtained a 1941 wood lathe and immediately became addicted to turning. Being financially constrained, in order to do some of the things he wanted to do, he started making his own tools. He noted that this was the very thing that old timers did because the tools you wanted to get were not commercially available. He also noted that the tools they made were specifically directed toward the style of turning that they were trying to achieve. He further noted that making your own tools was quite satisfying.

Jeff maintains that making your own tools is generally lower cost and often better quality. Nevertheless, Jeff advised that the intent of this presentation was not to teach members cookbook methods on how to make their own tools, but to inspire members to be tool designers and makers particularly when trying to create a personal style of turning.

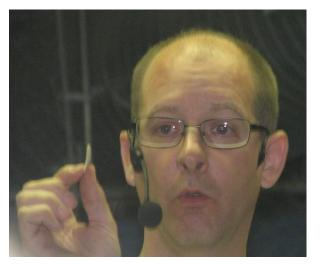
Jeff commented that he did not have machine shop capability but he has found out that his set of taps and dies is quite valuable. Fastenal, McMaster Carr, and Enco were named as three good sources of supply for components.

Jeff has taken MWA classes in tool making and has a lot of experience on his own. He is showing us some of the things he has made and comments that there are a lot more home made tools in his shop. Lately, he has slowed down on the tool making and is focusing on turning regularly and making the proper cuts with each tool.

The evening was to be concept presentations for inspiration. In the meeting announcement, he has invited anyone else who has made their own tools to share those concepts with the group.

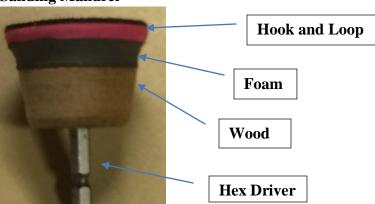
Sanding discs





Jeff presented his method of making sand paper discs. Similarly to Ken, he punches out discs from sheets of one side abrasive and the other hook and loop. However, Jeff made his punch from a hole saw by grinding off the teeth in a wolverine type fixture. He gets the abrasive sheet from the same source Ken does (Industrial Abrasives, Reading Pa. 1-800-428-2222 www.industrialabrasives.com). With the lower cost disc, Jeff notes that his sanding has improved because he changes discs more often.

Sanding Mandrel



Jeff also makes his own sanding mandrels by bonding the appropriate pieces together.

• Morse Tapers to turn small diameter pieces



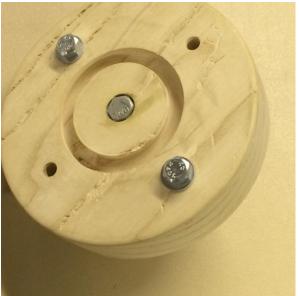
When turning small diameter pieces, Jeff often turns a morse taper on the wood instead of changing chuck jaws. He uses the gage on the left to size the taper. The length of the gage is the length of the taper and the diameter at each end is the appropriate taper diameter.

• Elios Type Drives

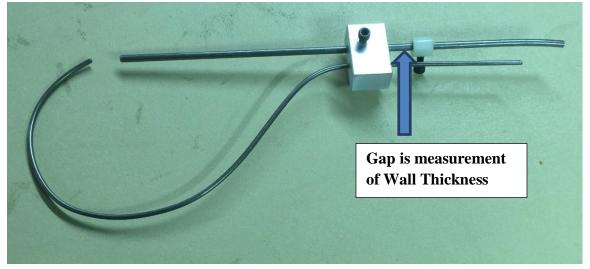


Jeff made the Elios type drive below from wood, bolts withground points, and thread inserts. The drive is held in a chuck using the recess on the back. Compare this to the commercial elios drive presented last month.



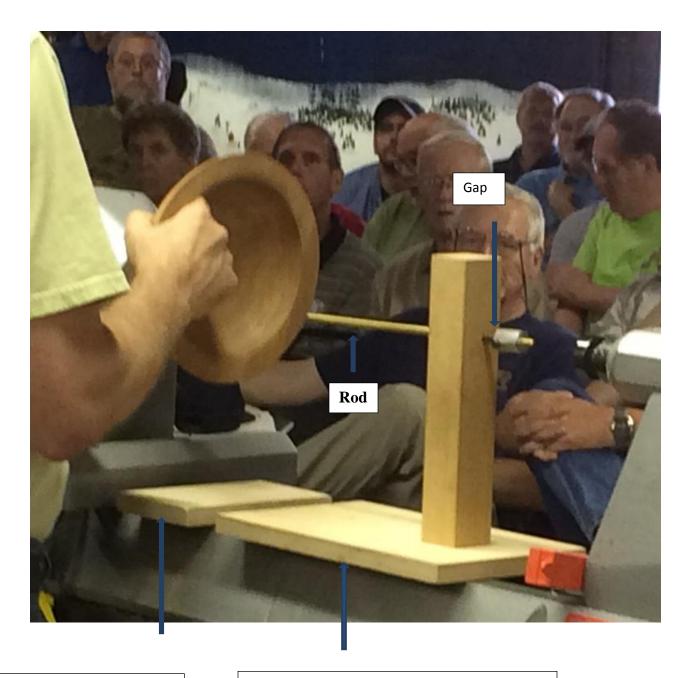


• Calipers to measure wall thickness in hollow forms



• System to measure bottom thickness in bowls





Front board rests on ways, back edge against headstock, front edge in line with bottom bowl Rear base board rests on ways. At zero gap, tip rod in line with front of rear base board. When rear base board pushed flush with front board, gap provides thickness of bottom of bowl.

Carving Stand





Jeff made this carving stand from pipes and bolts. He mounts his lathe chuck on the blue thread or uses a vacuum chuck to hold the work piece. He holds the pieces of pipe rigid by using set screws through the body of the tees. His tap and die set come in handy here. Compare this to the ACME carving stand presented at the July meeting.

Inertia Sander



Jeff believes that his inertia sander is superior to the commercial model. He uses ball bearings from Enco

Other Concepts presented

- Chatter tool
- Wood burning tool from an old battery charger
- Butter knife thin cut off tool
- Clear discs for layout
- Vacuum chuck system
- Tool handles with PVC pipe
- Hollowing System (patterned after Lyle Jamieson Hollowing System)
- Using Laminate samples to make grooves
- Jumbo Chuck Jaws (prefers to use vacuum chuck)



A. August Membership Meeting

2. Meeting

e. A Pressurized Face Mask

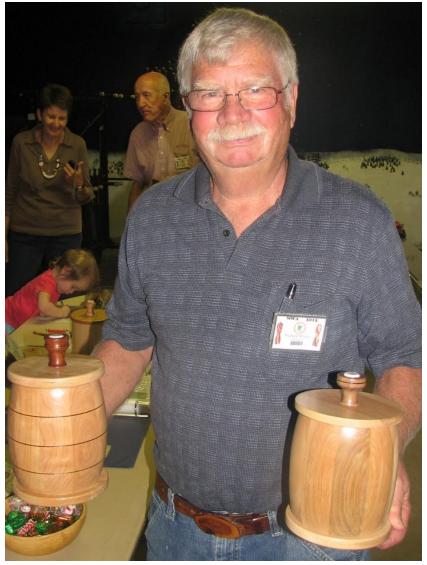


In response to Jeff's request to members to bring in tools that they have made, Larry Wolf brought in a home made pressurized face mask. What he did was to take an old CPAP unit, attach the hose to a facemask, and afix the CPAP to his rear belt. He said it worked very well. There were a lot of questions regarding whether or not the CPAP filter got plugged often. Larry said that he had not noticed any filter plugging after some extended use. Jeff commented that he was excited to see this. He has been thinking about how to make a pressurized face mask and this approach intrigued him.

A. August Membership Meeting

2. Meeting

f. Beads of Courage



Richard Messer shows two bowls of Courage he donated at the August Meeting. One bowl is a Jim Jacobs kit made of birch. The other bowl he patterned after the Jim Jacobs kit, but made it out of cherry. Both bowls are finished with minwax wipe on polyurethane.



These are some of the bowls donated to the Beads of Courage program at the August meeting. In total there were 19 bowls donated by Dick Radke, Avi Pelc, Richard Messer, Rod Nelson, and Bob Hanson.



Of the bowls donated at the meeting four were made by Dick Radke. Some of these are shown above. His bowls are typically segmented maple and walnut checkerboard with a poplar cover and finished with 50% tung oil and 50% mineral spirits. Dick has made 48 of the 250 bowls made to date for Beads of Courage!



A.

Membership Meeting 2. Meeting

g. President's Challenge



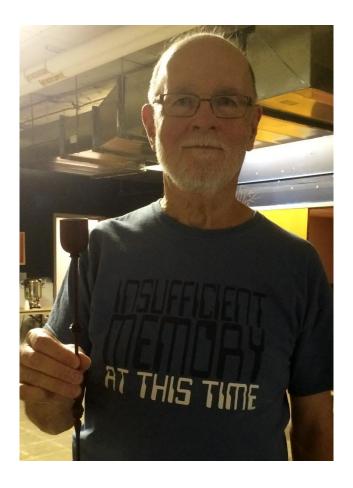


The President's challenge for August was to make a long slender stem goblet. There were several interesting submissions that did not win anything.

Below: Steve Mages submitted a bent thin stem goblet. When he was cutting the stem, he cut into a knot that resulted in a bend. The piece is birch from a club raffle.

Ron Solfest made an assembly consisting of an inner hexagon of mahogany, a middle hexagon of yellow wood, and an outer hexagon of mahogany and then cut the goblet shown. It created some very attractive patterns of yellow wood and mahogany.







Wayne Johnson took first place. His work is made from purple heart and the piece is 17" long with a stem of less then 1/4". It is finished with Bees wax and mineral oil.

Steve Mages took second place. The wood is ipa (Brazilion iron wood). It is a left over piece of hard, dense deck wood. About 14" high. The stem is about 3/8" minimum. It is finished with walnut oil.

A. August

Membership Meeting

- 2. Meeting
 - f. End of meeting



This is a very important man. His name is Dave Goldner. He handles the beverages! Before every meeting he brings coolers of pop and makes coffee. After every meeting, he picks up and cleans out the coffee pot. Remember to thank him for taking good care of us!



B. Lunch Gatherings

1. Hamburger Club

The Hamburger Club met at the 50's Club, Brooklyn Center on August 12. The event was well attended. Steve Mages, Gar Brown, Bob Meyer, Rick Auge, Ed Mielich, Steve Mcloon, Neil Robinette. Mike Hunter, Duane Gemulke, Lee Tortelotte, and Pete Bryant (11 total). As usual, the art of lively conversation was hotly pursued.







In the lower left picture, Dr Garfield Brown explains to Rick Auge how to stop a finger cut from bleeding (raise your hand). Rick cut his finger and couldn't stop the bleeding. Duane Gamelke listens.

The next Hamburger Club Meeting will be Thursday 9/24/15 at the 50's, Club, Brooklyn Center 11:30 to 1:30. Dixie Biggs will join us for this lunch. After September, the schedule will revert back to the normal Thursday of the week after the MWA membership meeting. The meeting place is most convenient for those on the north side of town. But all are invited.

V. Monthly Meetings

C. Area/Regional Turning Meetings

1. SE Metro Turning Meeting

Having successfully met at Jim Jacob's shop and deciding that shop meetings are preferred to lunches, the SE metro turning group plans a similar get together at Bob Hanson's Friday August 21 from 10 am to 3 pm. Details are presented below:

Open agenda and open to all club members. Possible pontoon boat rides. 8365 River Acres Road, Cottage Grove, Mn Bring \$5 for outdoor barbecue lunch. Email Bob if attending: chefhansen@comcast.net.

V. Monthly Meetings

C. Area/Regional Turning Meetings

2. Plymouth Area/Regional Turning Meeting

The Plymouth Group met Wednesday July 22 at Steve Mages shop. Most of the discussion centered around the definition of a thin stem goblet and how to make it. This must have been meaningful since two members, Wayne Johnson and Steve Mages, finished first and second respectively.



The Spiral barber pole rolling pin designed and built by Al Feist won a blue ribbon in the Carver County Fair. For review, it is shown on the left

Next Plymouth turners meeting at Steve Mages August 26, 7:00 to 8:30 pm. Open Agenda, attendance open to all members.

V. Monthly Meetings

C. Area/Regional Turning Meetings

3. Northwest Turning Meeting

The group is on hold until Neil Robinette recovers from surgery enough to do some turning. At that time it is expected that he will do some preliminary rough turning and then call a meeting of the group to each do a turning project from his start. It is anticipated that he will be able to resume turning in mid to late September and the next group meeting will take place in October.

VI. Monthly Classes

A. Classes

- 1. A basic bowl turning class was taught by Bob Meyer on July 23
- 2. A lidded box class was taught by Mike Hunter on August 6.
- B. Report on Lidded Box Class.



This class is geared to intermediate and advance turners. The emphasis is on the process and not on how to use cutting tools. With beginning turners, the class normally takes six hours. Since only three hours were available for this class, it was decided to limit course material to the process of making a box. It was hoped that all students could complete at least one unfinished, lidded box (or practice box) within the 3 hour time limit.

The class has the complete title "Making a Lidded Box by the Jaw Expansion Method." There are many ways to make lidded boxes but this is the method preferred by the teacher, Mike Hunter. The students for this class were Roger Erickson, Bill Campbell, Paul Webber, Al Feist, and Tom Mitbo. Assisting Mike in teaching were Neil Robinette and Pete Bryant.

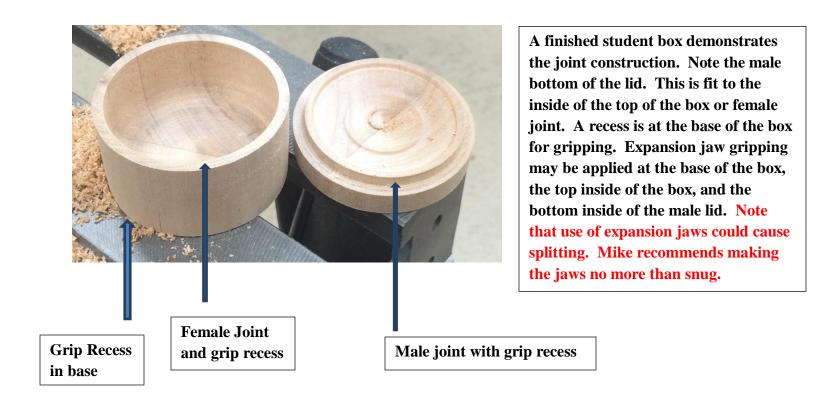
In Mike's approach, The box (or base) has a female joint that mates to a male joint in the lid (or top). Both pieces are cut from the same piece of dry, stable, straight grained hard wood. The dimensions are approximately 3" in diameter and at least 3" long.

It is desirable to match the grain at the lid/box joint as closely as possible. Mike also noted that some turners like to have a very tight fit between lid and box. Some turners even wanted to hear a pop when the lid was removed from the box. Mike commented that he liked a snug fit that could be easily opened without any pop. He further noted that he found that most people preferred this approach, and for this reason, the snug fit would be taught in the class. Mike commented that with humidity, swelling could cause a pop fit box to be unopenable. Finally, Mike recommended that boxes be turned on end grain so that any expansion of the fitted joint would be uniform.

Mike brought several finished boxes for student review. They are shown below:



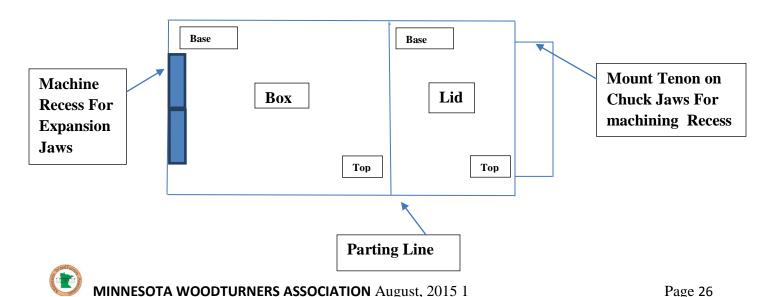
In Mike's basic design the male portion of the joint is always in the lid and the female portion of the joint is always in the box. A recess is fashioned (and remains) in the bottom of the base for expansion jaws.



The basic process Mike employs is as follows:

1. Turn the piece round on centers and machine a tenon on the lid end.

2. Mount the piece in a chuck by the tenon and machine a recess in the opposite end for the expansion jaws. Make sure that adequate wall is provided to prevent splitting when the expansion jaws are tightened.



- 3. Part the box from the lid using a thin parting tool.
- 4. Mount the box on expansion jaws using the recess made in #2.
- 5. Hollow the box as desired leaving adequate wall to prevent splitting when the expansion jaws are tightened. The top of the female joint is intended to be used as a future expansion jaw grip location.
- 6. Mount the lid on the chuck using the tenon originally machined.
- 7. Hollow out the inside of the lid. The hollow area beneath the male portion of the joint is meant to be used as a future expansion jaw grip location.
- 8. Rough out the male portion of the joint and final fit to the box female joint.
- 9. At this point, if on lathe finishing is to be performed, it may be done to the inside of the lid.
- 10. Form the outside of the lid as much as possible. Then part the lid from the tenon.
- 11. Mount the lid on expansion jaws in the recess on the bottom of the lid and finish machining the top of the lid. If on lathe finishing is desired, do it now.
- 12. Mount the box on first the base recess and then the inside of the top female joint. If on lathe finish is to be applied, do so in both positions.





Tom Midtbo turning on centers



Paul Webber Hollowing



Roger Erickson starting Lid



Al Feist finishing lid





Mike Hunter with students Bill Campbell, Al Feist, and finished boxes. Everyone finished at least one box and some students finished two in about two and a half hours. It takes Mike about 45 minutes to do one.





Roger Erickson brought in this home made, handy tool holder.

End of evening: Paul Webber finishes up and Al Feist cleans up.

VIII. AAW And Regional Announcements



- A. Corridor Woodturners presents John Jordan for a two day demonstration October 3 and 4 in Cedar Rapids Iowa. The two days will be devoted to Bowl Turning and Turned and Carved Hollow Vessels. For details see www.corridorturners.org.
- B. A Fresh Cut Green Woodturning Symposium will be held October 30 to November 1, 2015. It will be held in Grand Marais, Minnesota. The symposium includes multi-day coursework, demonstrations, speakers, mini-courses and community gatherings, all designed to encourage wideranging discussion of the craft of woodturning and to celebrate and relish the intimate connection to the material green wood turning fosters. Featured will be Robin Wood, Michael Hosaluk, and Michael Cullen. The symposium is jointly sponsored by the AAW and the North House Folk School. Contact www.northhouse.org or www.aaw.org for details.
- C. The Wisconsin Chapter will not be having an expo this year. In its place, they will have an all day demonstration by one of their best turners, professional Barry Grill. The event will be held in Eau Claire on October 24, 2015. See www.cvwg.org for details.