



Contains August 2007 Minutes

September 2007

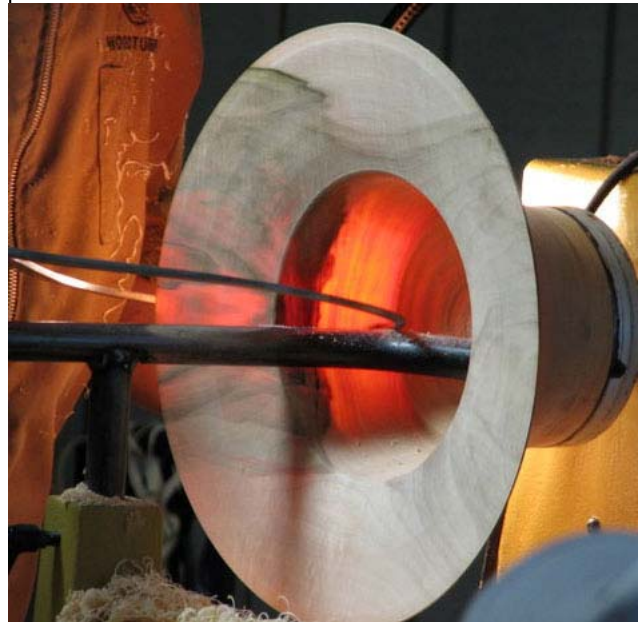


Doug Thompson,-- Provided a wonderful demo on Turning Hats at Aug. meeting.

Doug Thompson, from Cleveland, Ohio, is a member of the North Coast Woodturning Club. About 25 years ago, he started doing flat work. His main projects were rocking chairs. He saw some photos of wood-turned hats and decided that he might like to try making some. He purchased a large Powermatic lathe and it sat for 3 months without any use. He then contacted Johannes Michelsen and asked if he would be his mentor and help him turn his first hat. He spent some time with Johannes to learn the specifics of how thin to turn a hat and other special techniques. He completed three hats of which two made it back to Ohio.

He came home and purchased some tools to use for the purpose of turning the hats that he had seen displayed by Johannes. He tried Henry Taylor tools and did not find them to his liking. He then tried the Jerry Glaser tools and they worked great. He currently makes his own brand of woodturning tools and has them available for purchase on his website....

<http://www.thompsonlathetools.com/>



Doug indicated that he will be teaching the techniques of turning thin. He stated that not everyone will want to go home and make a hat, but that if they knew how to turn thin objects, that the techniques learned here could be transferred to any turned project. Most of the wood that he uses comes from the city dump where tree

stumps and logs are readily available. He said that they are available for the best price that he has ever found, and that is free. He indicated that the best wood for turning hats comes from the stump of the logs. He looks for 16 inch blanks for hats. A blank of 14" will work, but one has to be careful when turning, because there is no room for error. He uses the chain saw to rough cut the blank to size. He is looking for a blank that is 8 X 16 X 16 inches. He will cut the log section in half, right down through the pith. The pith should be on the brim side of the hat, with the bark side to the crown or top of the hat. This is done so that it is easier to bend the brim after it is totally finished. A 6" diameter large faceplate is used. The faceplate should be placed on the brim side or pith side of the hat. Screws should be placed in every hole and extend at least 1 inch into the wood blank. Doug uses a 1" round tool rest with a 45 degree bend on the end which he uses to do the interior of the crown. He likes to use maple or sometimes cherry as the wood of choice. He does prefer the maple over the cherry because the light passes through the lighter woods much better. He uses the color of the light to determine the wall thickness. A reddish color means that the wall is still too thick and he then returns it to get the yellow color that he desires. He strives to turn the hats with 3/16th inch or less wall thickness with the band of 1/8" thick .



The following steps are used for the creation and turning of his hats.....

1. Create a flat top to hold the face plate screws. This should be a slight depression so that the faceplate will not rock or shift as the piece is turned. Apply the faceplate and use all screws.
2. Mount the blank with the faceplate on the headstock and the brim side toward the tailstock. Bring up the tailstock with ball bearing center for support.
3. True up the wide edge of the blank with a gouge.
4. Level up the brim side of the blank
5. Cut a recess for the chuck on the brim side of the blank.
6. Reverse mount. Place the faceplate toward the tailstock and brim side towards the chuck. Use tailstock ball bearing into the hole of the threaded faceplate for support. Tighten the chuck at the other end. The top of the hat should be facing the tailstock.
7. The crown should be 6 inches or less in rough state. There is no set rule. At the finished dimension the crown should be 4

3/8 inches high.

8. Use clearing cuts and cut away the excess wood to form the crown to the brim. Most cuts are roughing cuts to get rid of excess wood and near the completed dimensions.

9. The hat size is determined by measuring front to back and side to side and then average the two to get a standard measurement. Therefore, the exterior dimension of the hat band should be the hat size plus 9/16 of an inch. This should be the exterior diameter of the hat band. Turn away excess wood and make sure that you are leaving enough wood near the hat band to finish it.

10. Use large calipers and make an indent on the top of the hat to get the outside diameter correct. Continue cutting away excess wood until you trim down to the band.

11. Doug uses a 45 deg. bevel on his tools to get into the interior of the hat. His wings on his tools are ground to about 45 deg. He simply rotates the tool until it begins to cut satisfactorily.

12. Shape the outside of the hat top and out to the brim. Rough out the brim diameter and form up the thickness.

13. Once the size of the hat has been achieved, that will be the size of the band. The band should be 1/16th of an inch thicker on the exterior of the hat.

14. Now true up the hat brim at this time. The brim should be turned at 15 deg. from the hat crown or top. Use pull cuts here with the gouge to get a very nice surface.

15. The hat brim should be close to 3 1/2 inches wide.

16. The hat top should be straight sides or tapered. Recheck the band thickness to 1/16th of an inch and then smooth cut the sides of the hat top. Use a delicate pull cut here to get a smooth finish.

17. Make a parting cut about 1" or more from the face plate to determine the actual top of the hat. This also establishes the ends of the wood screws from the faceplate.

18. Once you start the hat, you cannot stop. It will crack. Use water from a spray bottle and then cover with plastic. Do not let it set overnight or mold will possibly form.

19. Cut the brim thickness to 3/32th inch.

20. Reverse blank so that the faceplate is facing the headstock.

21. Cut the under side of the brim to 1/8th thickness. Cut away excess material at the rate of 1 inch at a time. Once you have finished an area....you cannot go back.

22. The brim needs to be 3/32nds of an inch thick and no thicker, otherwise it will not bend correctly. Shine a light on the backside of the brim to see if you are getting a yellow glow from a light source, which has been placed close to the backside of the brim.

23. With the brimsides of the blank facing the tailstock, use a McNaughton coring tool to remove the center core. You should core into the interior of the hat about 2 inches with the intent of cutting out all the excess wood. When a 2 inch stub core remains in the interior of the core, then it can be knocked out with the butt end of a tool. When cutting out a core, if you have a good cut, you should keep going until finished.

24. With a bowl gouge, turn out the center of the hat.

25. Cut out the interior of the band to 1/8" thickness. Use a push cut and create a fine finished interior of the band area. Clear out the interior of the hat top that remains.

26. Constantly use a backlight on the exterior of the hat top and let it shine through the wood. He uses a 100 watt bulb and has experimented with a 75 watt and did not notice any difference. If the color is red, then it is too thick, if it is yellow then it is the correct thickness. You should use a constant check with the calipers to determine accurate thickness. He commented that one should not get scared...."Just do it"

27. The top of the hat must be created on the inside first. The choices here are that one can make a domed hat, a small swale with a smaller dome, a smooth top, such as a court jester, or a very flat hat.

28. Here one should use a Oneway Termite Tool to clean out the dome interior.

29. Once the interior has been completely finished, he removes the hat from the lathe. He then places his light box core form onto the lathe. This is a hollow core with an exterior that can hold the interior of the hat. The hat has now been reversed in order to turn the exterior top of the hat. This light box has a bulb in it so that it can be lighted from the interior of the hat. Again, light will be used to determine the final thickness of the hat.

30. The hat is placed over the cone/core and wedged into place. Slight adjustments are made with a dead blow hammer so that the hat will run true. Then the light is turned on.

It is now reversed with the brim toward the headstock. Bring up the tailstock for support.

31. Remove excess wood from the faceplate screw holes. This will be approximately 1 inch thick.

32. Form the top of the hat exterior to match the interior profile. Watch for the color of light. It should be noted that the end grain light will be brighter while the light shown through the side grain will be somewhat darker. You should watch for even colored light intensity.

33. To shape the brim, one should set the hat on a special jig and then use a some thumb screws to tighten it up and there by forcing the brim to take shape. It should be allowed to dry in this position for about 1 hour. When finished the hat needs to weigh less than 9 ounces. Use tape on the end grain to keep the wood from splitting. One could use rubber bands to shape the brim. One could also use heat lamps with regular bulbs about 2 feet below the hat. As the heat rises, it will speed up the drying process.

The following individuals have websites for turned hats. You can view their turnings at the following websites...
Johannes Michelsen... www.woodhat.com
and Chris Ramsey at www.knot-head.com.

Respectfully submitted,



PRESIDENTS SOAPBOX September 2007

Items of Interest

Well summer is almost gone and fall is at our doorstep. I hope everyone had a safe and enjoyable summer. I know our family's summer went way too fast. One good thing about fall and winter, besides football, is that there is less daylight and we don't need to work so hard on finding excuses to get into the shop.

Speaking of getting into the shop, it is not too early to think about a turning project to donate to Doll Lumber for their annual auction effort. Items will need to be taken to them sometime in mid-February. I will be reminding everyone every couple of months. If you turn an item and donate it, Doll will give you wood in return. This is a great way for us to show our appreciation for their hospitality when we held our meeting there in June and also for the wood they donated to our club auction.

This fall is going to be an especially active period for our club. We have guest demonstrators in September, October and November. Jim Burrowes will be visiting us all day at our regular meeting on Saturday September 15, King Heiple for a half day at our regular Saturday meeting on October 20 and Bill Grumbine will be with us all day at our regular meeting on Saturday November 17 and is currently planning to hold a ten participant, all day, hands-on workshop on Sunday November 18.

Our annual picnic/social will be held on September 16 at Sand Run Park in Akron. Directions will be emailed about a week prior to the outing. If you do not have email or internet access, don't let that stop you. If you would like to attend, call me at home and I will make sure you know how to get to Sand Run Park and the Mingo Pavilion.

Plans are to set up between 3:00 and 4:30 and burn some dogs and burgers around 5:30 and exit the park no later than 9:00. I hope everyone can make it.

That's enough for now. Be safe until we see each other again.

Best Regards,

Benny

Safety, it is something you can live with.

If, you're like me, it has been a while since you have been in the shop due to summer activities. If so, both you and your equipment may be a little rusty. Remember to ease back into it and keep "Safety First" while in the shop.



Calendar of Events

**The September meeting
will be held at Camp Y-
Noah on Saturday Sept.
15th.**

September 15.... An all day demo is planned with **Jim Burrowes** from the Cincinnati Woodturning Club. He will demonstrate two part hollow forms, three sided bowl and multi-axis turnings.

Sept. 16.....Annual Picnic. The annual picnic will be held at Sand Run Metro Park. Time 4pm to ?

October 20.....King Heiple will demonstrate Tulip Candle Holders and a turn & learn after the demo.

November 17....Bill Grumbine all day demo. Exactly what will be demonstrated is yet to be determined.

November 18 ...an all day hands on session with **Bill Grumbine** for the lucky 10 people who sign up at a cost of \$40.00 per person. The subject of the hands on training is yet to be determined.

The Ohio Valley Symposium will be held in Cincinnati, Ohio again this year. Dates for the symposium will be Oct. 12- 14, 2007.

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BUCKEYE WOODWORKERS
AND TURNERS
August, 18, 2007

The regular meeting of the BWWT was called to order at 9:30 AM on August 18, 2007.

There were 5 visitors present and a total of 57 members at the meeting. All were welcomed by Pres. Ben Fix and hoped that they would have a good time and be able to gather some important turning information at the meeting. Members should check with John Dilling to make sure that their addresses and email information is correct.

The YMCA Hands On program with their teenage students has been completed. They have found it to be a valuable program for their campers. We had requested that they make two projects within the time limits of the evening. All students made a dried flower vase and a writing pen. These have proven to be very interesting to the campers. Photos are available of each evening activities. Camp Y Noah wants to continue the program during the summer of 2008. We have committed our club to leading that program again.

Volunteers will be needed to instruct the students at that time.

The following members were recognized for their dedication in helping with the instruction at the Camp Y Noah turning program. They are as follows:..Gordon Seto, Bill Seabolt, Bill Humphreys, Travis Parsons, Larry McCardel, Phil Brower, Jim Brown, Tony Fix, Bill Stone, Hoby Horn, Brandi Rinehart, Mark Rinehart, Tom Johnson, and Jerry Schaible.

The following demos will be given in the following months....

Sept. 15, Jim Burrowes will demonstrate a two piece hollow vessel.

Sept. 16, BWWT Annual Club Picnic at the Cuyahoga Valley National Park.

Oct. 20. King Heiple will demonstrate Tulip Candle Holders

Nov. 17. Bill Grumbine will demonstrate and hold a Hands On activity the following day.

Hartville Tool Club Discount program will conclude the sign ups today. The final list will be submitted to Hartville Tool so that the program can be initiated. The discount will amount to 20% for the first year and 15% for succeeding years. During the third year of the program, the club will get a 3% rebate to our treasury. Members can have pick up their merchandise at Hartville Tool headquarters in order to save postage.

There are two wall message boards that have to be completed for the YMCA. These are expected to be completed in the coming months. These will hang in a prominent place in the seven buildings that house the YMCA complex. Five of these message boards have been completed previously by our members.

Pres. Ben Fix requested that more projects from our members need to be brought to the camp to be placed in the woodturning cabinet in the dining hall. These are being displayed so that visitors to the camp can see what we our club has been turning.

Fred Taylor just had a recent illness and is recovering at his home. We all wish him a speedy acquisition of good health.

All members were invited to the North Coast Ice Cream Social at George Raeders house in Bath. This is a combined gathering between North Coast and the Buckeye Woodturners. The social will begin at 2 pm and maps are available for members. He currently has 3 acres of gardens with 500

Hosta plants in place.

Due to the high cost of the demos at the Sept. and Nov. meetings, all non BWWT members and guests will be charged \$25 to get in to the demo activity.

Treasurer Lou Mineweaser indicated that we had five new members who have joined our club. He also indicated that members can purchase club shirts and logo patches if they see him during the meeting.

Don Karr, club librarian, indicated that the library is open and members are encouraged to check out the books or DVD's to view and then return the following month.

Larry McCardel from the demo committee stated that any member that has an idea for a demo should see him at their earliest convenience so that he has time to make arrangements with the instructors or demonstrators.

If any member has an idea or an article for the newsletter, they should contact Dave Floyd, our newsletter editor. He will request that they be submitted to him so that they can be inserted in the next newsletter.

Respectfully submitted,
Jerry Schaible, Sec.

Tools For Sale

Dave Fitz Patrick has sent me the following list (Thru Fred Thomas) of turning tools for sale. His health will no longer permit him to do any turning. Dave has not put a price on anything, and asks that you look at the tools and make him an offer on anything you might be interested in.

Delta Midi Lathe with manual, One Way chuck, No.1 & No.2 jaws, and 8 ½" jumbo jaws.

Robert Sorby gouges, scraper, and other chisels.

Two 8" dual shaft grinders, one bench mount and one stand mount.

One diamond dresser, and one Wolverine sharpening jig for gouges or skewers.

Box of sharpening stones

One older dual shaft grinder with a wire wheel and buffing wheel.

Craftsman 17" floor model 16 speed drill press with mortising attachment.

Forstner drill bits ¼ to 2 1/8" .

Rigid 16 gal wet or dry shop vacuum.

Craftsman 10" band saw, and an 8" disk/ 4" belt sander, both mounted on a wheeled table.

Older 16" Sprunger jig saw.

America Foundry 4" jointer with wheeled table.

Contact Dave Fitz Patrick
63 Lucerne Lane
Youngstown, Ohio 44511
PH 330-792-1211