



Contains September 2019 Minutes

October, 2019

NO MEMBERS OR VISITORS SHALL ENTER OR EXIT THE CAMP VIA THE CHRISTMAN ROAD ENTRANCE. MEMBERS MUST ENTER AND EXIT FROM MT.PLEASANT ROAD.

**BUCKEYE WOODWORKERS
AND WOODTURNERS
September 7, 2019**

Anyone wishing to submit pictures for the newsletter please send them to the editor within two days of the meeting

*******Note*******

**Buckeye Woodturners Meeting
Camp Y-Noah
September 7, 2019**

*Respectfully submitted,
Mark Stransky*

President Tom Nellis welcomed all to the September 7, 2019 meeting of the Buckeye Woodworkers and Woodturners. The meeting was held at Camp Y-Noah in Clinton, Ohio. There were two guests in attendance. Today's demonstrator will be Tom Olichew. Tom will be making a 3-legged stool today.

Tom gave a brief update on the upcoming demonstrations:

- October 12: Joe Herrmann will be making two small lidded boxes similar to boxes made in a recent demonstration by Eli Avisera. There also a Christmas ornament turn and learn scheduled for the afternoon of the meeting.
- November 9: Professional turner Jim Echter will demonstrate spindle turning and the use of a skew chisel.

- December 7: This date is open. Any member who would like to do a demonstration should contact one of the officers.

Tom gave an update on membership and demonstrator costs. New members will see an increase of \$10 for a total of \$35. The increase in cost is to pay for a name badge that the club previously paid for. There have been many instances of people joining the club and having the badge made and never returning after the first meeting that was attended. The cost for annual membership renewal will remain at \$25.

The Executive Board decided to set a \$600 maximum payment that it will pay for hands-on sessions with a professional demonstrator. If the demonstrator is not willing to do the hands-on session for that amount, the club will not have the hands-on session. In addition, the Executive Board set the cost for club members to attend any hands-on session with a professional demonstrator at \$70. Participation in any hands-on session is not guaranteed until the member has paid any required fees. The cost for a non-member to attend any professional demonstration has been increased to \$35.

There are still four club owned Nova lathes with stands for sale. Anyone interested should contact any officer. The cost is \$300 for each. If the lathes do not sell in the near future they will be advertised for sale on either Craigslist or Ebay.

Tom let the club members know that the remaining treadle lathe that was made by club members as a collaborative project is stored in Hoby Horn's shop. He asked for ideas on what to do with the lathe. Ideas so far are to either sell it to any interested member at a price to be determined, raffle it off similar to what was done with the first treadle lathe or donate it to the AAW. Anyone with an idea of what to do with the lathe should contact any club officer. The two spinning wheels that were also made as a club collaborative project are also available. They currently are at mem-

ber Claude Custer's shop. Ideas on what to do with the spinning wheels are similar to ideas for the treadle lathe (sell to a member, raffle or donate). Claude has offered to purchase both spinning wheels for \$300. Denny Finch made a motion, seconded by George Barlow, to counter offer both spinning wheels for \$400. After discussion the motion was passed by the members. Tom will contact Claude with the counter offer.

Tom let the club members know that there will be a sign-up sheet for participation in the BWWT (Stransky) challenge. When there are enough members signed up, the club will supply wood for the challenge. Pieces completed will be judged by the members present at the meeting that the pieces are displayed at. Prizes will be awarded.

George Raeder let everyone know that today was the day to submit pieces for the annual Wayne Center for the Arts woodturning show. All pieces submitted will be judged on September 16. An opening reception will be held on September 19 from 6:00 to 8:00 where winners will be announced and prizes awarded. The show will close on October 12.

Dave Wells showed a sample of the Christmas ornament that will be made during the October hands-on session.

Bill Stone let the club members know that there are seven booths available at the Paul Bunyan show next month. He also has a few entrance tickets available on a first come, first serve basis for those who wish to attend. See Bill after the meeting if interested.

Denny Finch let the club members know that he had African blackwood turning blanks available for \$3 each. Interested members should let him know how many pieces you would like and he will bring them to the next meeting.

Brent Wells let the club members know that officer elections for the coming year are just around the corner. Positions to be voted on are Vice-President, Treasurer and Secretary. See any officer if you would like to be an officer.

The winner of the monthly name tag drawing was Marshall Holmes.

Turning a Three-Legged Stool

Tom Olichew

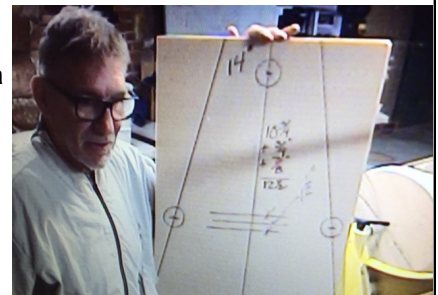
September 7, 2019

*Respectfully submitted,
Mark Stransky*

Tom demonstrated how to make a three-legged stool. A three-legged stool will not rock like a four-legged stool has a tendency to do. Tom started his demonstration stressing safety. He cautioned everyone to not move the tool rest while the lathe is running and to make sure to use some kind of dust collection system. Tom uses a helmet with a battery powered respirator air filtration system. He advised to use organic filters that will also reduce exposure to toxic fumes.

Tom started his project by making a full-size storyboard to make it easier to measure the critical areas of the stool; the critical areas are the angle and lengths of the legs and stretchers.

Tom started turning the seat from a curly ambrosia maple blank about 12¼" diameter and 3" thick. The finished seat will be dished out on the top and have a

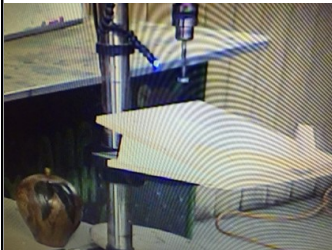


rolled edge. It will also have a recessed area around the bottom edge that can be used as a finger grip. He first trued up the face and edge of the blank and then cut a dovetail recess on the bottom for mounting to a chuck. Tom used a ½" bowl gouge with a swept back grind to shear scrape the side and bottom to reduce the amount of tear out. After he had the bottom smooth, he cut the recess for the finger groove around the bottom edge and rounded over the bottom edge. Next came sanding the bottom surface through the grits as you normally would. Tom suggested that to reduce sanding marks at each grit to move the sandpaper around faster or to use a power sander. He then used a set of dividers to mark the diameter of the bolt circle for the leg locations. The last thing to do at this



point was to mark the centers for the leg locations on the bolt circle 120° apart.

The next step is to drill the 3 holes for the legs in the bottom of the seat. Tom made a drill fixture that was set at a 14° angle so he was consistent with all of the leg locations. He then used the fixture to drill each leg hole. The hole size was $\frac{3}{4}$ " diameter, drilled about $\frac{7}{8}$ " deep. Make sure when the holes are drilled that the splay of the legs is greater than the diameter of the seat.



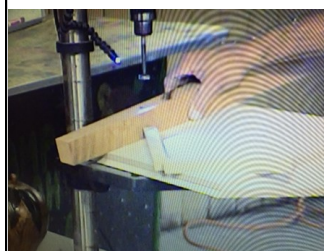
Tom mounted the seat on the chuck so that he could work on the top of the seat. He first cleaned up the front surface with the $\frac{1}{2}$ " bowl gouge. He then roughed shaped the corner of the seat top and then cut a generous radius on the edge. He then dished out the top surface of the seat about $\frac{3}{8}$ " deep so there was a smooth transition from the rounded corners to the middle of the seat. He followed this with a low angle shear cut with the $\frac{1}{2}$ " bowl gouge to smooth out the top and edge. Finally, he power-sanded the rest of the seat through the grits.



Tom mentioned that when power sanding end grain that sometimes it is easier to sand the end grain areas with the lathe off to eliminate most of the roughness. After that has been done go ahead and power sand with the lathe running to finish the sanding. This method may work better since the end grain does not sand as easy as the side grain. At this point the seat is done and it is time to move on the legs.



Using measurements taken from the storyboard, drill a $\frac{3}{4}$ " diameter hole about $\frac{7}{8}$ " deep at the proper location on the leg. Use the 14° drill fixture and make sure that the hole is drilled in the correct direction. Mount the leg blank in the chuck and use a live center in the tailstock end. Tom rough turned the blank round with a skew mainly to practice using the skew. The blank can also be rough turned with a spindle roughing gouge or bowl gouge. Next use a parting tool to mark the end of the leg. Turn the top end of the leg to $\frac{3}{4}$ " diameter about $\frac{3}{4}$ " long to fit in the holes drilled in the seat. Be sure to put about a 45° chamfer at the shoulder of the $\frac{3}{4}$ " area so that the leg assembles easily to the seat. Use a skew or $\frac{1}{2}$ " bowl gouge to shape and detail the leg. When this is done, power sand the leg up through the grits. Tom used a parting tool to round off the bottom of the leg and then parted the leg off. Use this procedure for all three legs.



It is now time to make the two stretchers. Use the storyboard to determine the length of both the short and long stretchers. Add the length of the tenons on each end of the long stretcher and one end of the short stretcher. Before turning the long stretcher drill a $\frac{3}{4}$ " hole about 1" deep in the middle of the stretcher. Make the long stretcher first using the same methods used to make the legs making sure there is a $\frac{3}{4}$ " tenon with about a 45° shoulder on each end.



When making the short stretcher, it is necessary to make one end with a rounded end to fit to the middle of the long stretcher. To do this, measure the diameter of the middle of the large stretcher and drill a hole close to this size in the end of the blank for the short stretcher. Cut off the end of the stretcher so the end is a half-circle to fit to the long stretcher. Mark the end of the stretcher in the end with the rounded cut as close to the center as you can. Mount the stretcher on the lathe in a chuck and with a live center in the center mark of the rounded cut. Use a parting tool to mark the overall length of the stretcher. Turn a $\frac{3}{4}$ " tenon about $\frac{3}{4}$ " long on the headstock end of the piece. Add about a 45° chamfer to the shoulder of the tenon. Make the short stretcher using the same methods used to make

the legs. After the stretcher has been turned and sanded, replace the live center in the tailstock with a Jacobs chuck with a $\frac{3}{4}$ " Forstner drill bit and drill a hole about $\frac{7}{8}$ " deep. When drilling this hole, start by turning the piece slowly by hand with the lathe turned off until the drill is working into the piece. After the drill has worked into the piece turn the lathe on and slowly drill the hole.

You will need a piece of $\frac{3}{4}$ " diameter dowel about $1\frac{1}{4}$ " long to assemble the short stretcher to the long stretcher. If none is available, go ahead and turn one. Be sure to chamfer the ends a little bit to make it easier to assemble.

At this point, assemble the stool. Start with putting the legs in the seat and the long stretcher between two legs. The two stretchers and the dowel should be assembled next. Then assemble the short stretcher to the third leg. Make sure everything is lined up and securely glued. After the glue dries you will have a three-legged stool you can be proud of.



***Here is a link to another three-legged stool design on the Highlandwoodworking.com website: ([click on the title or the image below](#))

Project: Three Legged Stool
By Randy Cordle



Calendar of Events

PLEASE NOTE

BWWT MEETINGS ARE HELD ON THE SECOND SATURDAY OF EACH MONTH BEGINNING AT 9:00AM

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BWWT Library Online Guide brought to you by the BWWT Club Librarians, Dirk Falther and Bob Hasenyager.

The online guide lists the books and videos that are available in our club library along with descriptions on the subject matter and other useful information. Follow the link below to check it out.

<http://uh.cx/uVS1S>

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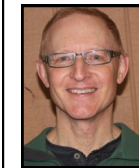
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