



Contains January, 2015 Minutes

February, 2015

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
January 10, 2015**

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

**Respectfully submitted,
Jerry Schaible, Sec.**

President Bill Stone welcomed all the members to the regular BWWT meeting and hoped that they would have a great time at the meeting. In the first order of business he indicated that Bill Blasic from the Erie Woodturners had contacted him that two woodturning demonstrators would be visiting them in Erie Pa. and that we were welcome to join them during the demonstrations. John Beaver a demonstrator would be visiting them on March 31, and April 1, and 2, to put on a demonstration for their members. If any of our members would like to come, the costs would be reasonable for the all day sessions. Also Molly Whitten will appear at the Erie club after the Pittsburgh Wood Turning Symposium. The price for this demonstration would be reasonable also. Contact Bill Stone if you are interested in going.

Pres. Stone stated that we again are looking for a donation of wood turned items to be given to the Doll Lumber Co. These items are to be taken to the Ohio Lumberman's meeting and auctioned off with donations to go to a worthy cause. Their meeting will be held on Feb. 11, 2015 and if we could get our donations to Bill Stone by Feb. 8 or 9, he would see to it that the donations would be given to the Eric Doll before their meeting.

The Hartville Hardware Tool Sale will be on Feb. 20 and 21. We will be demonstrating at the show and we will need members to participate in the demonstrations. If you can help, please notify Pres. Stone.

David Dubney will be at our Feb. meeting to explain the AAW Symposium that will be held in Pittsburgh this summer. He will be looking for volunteers to help support their efforts in the sponsoring the show.

George Raeder will be putting on the Feb. demo that will consist of an explanation of the vacuum chucking system that we have for the club. This is the system that we purchased with the Larry McCardel Memorial Money.

Pres. Stone called our attention to the audio visual equipment that we have in operation today. He said that it is run by Gale Seymour and that we have only one helper to fall back on if Gale is unable to be at the meeting. He requested that if anyone is interested in AV participation and could help out in the operation of the system, would they please contact Bill.

Bill stated that there is some wood available on the maintenance shed that has been cut from downed trees. This wood has been cut and sealed, and has been air drying for about 4 years or so. There is cherry, walnut and maple species available. This wood is available for members if they want it and it can be picked up at the end of the meeting today.

Mark Stransky, treasurer, stated that this is the last month that you can pay your dues and not be taken off the roster. Removal of members' names will begin at the end of January. He also mentioned that tool steel is available at \$5 for most high speed steel blanks.

The business meeting was adjourned to make time for the name drawings for the purchase of the old lathes and chucks as well as the monthly raffle.

Tim Niewiadomski --- Square Bowls Jan. 10, 2015

Respectfully submitted,
Jerry Schaible, Sec.

Tim began his remarks about turning square bowls by saying that the exterior of the bowl will have a square shape to it while he will have turned a round interior to the piece. He said that most of his information that he has acquired about square bowls has come from Mark Gardner. Tim stated that one can turn these artistically designed pieces from solid blanks of wood but he likes to turn them from segmented glue ups for the purpose of providing some interesting characteristics to the piece. He has made some pieces from glued up layers of wenge and maple which provide some nice contrast to the piece. He has also made some glue ups from segmented layers that he has turned into fine looking pieces. When gluing up the pieces, it is important to keep in mind the measurements of the size of the blocks. He likes to make the turning blocks $6\frac{3}{4}" \times 6\frac{3}{4}"$. He stated that one can make them larger but should cut them down to size on the bandsaw. Tim noted that the overall size should be at least $\frac{1}{2}"$ larger than you want to make the finished size. He also noted that in the gluing up process that he glued a waste block section in the middle of the blank. It is important to note here that when finished with the

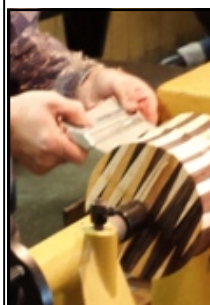
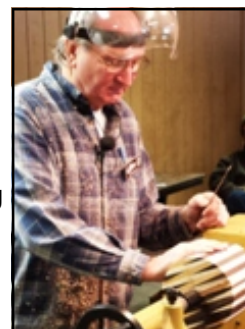


turning block, there will be TWO bowls created from each turning block. In essence, the location of the bowls will be with the open end or top of the bowls facing each other and the waste block will separate the two. In addition to the waste block, which is about $\frac{1}{2}"$ thick, there will be two layers of paper, one on each side of the waste block and next to the glue up layers. This paper is from the brown paper bags that one gets at the grocery store. The glue that he uses is the yellow carpenter's glue that is sold in most hardware stores.

The next step is to find the center of the piece on the waste block area. Here is where Tim said that one has to be very accurate to locate the center so that the block turns smoothly and not out of round. Mount the turning block between centers with the



headstock drive center first and then the ball bearing center of the tailstock next. Tighten down the tailstock securely so as to set the teeth of the drive center in the tailstock. Hand spin or rotate the turning block to make sure that it clears the tool rest in the tool rest holder. Align the tool rest so that it is parallel to the ways of the bed and the turning block. Using a roughing gouge, begin turning off the corners to round off the complete piece. Take very small cuts so as not to put any stress on the drive centers or the tailstock centers. Make numerous passes with the roughing gouge until the piece is completely round and looks like a cylinder. You will get some chip out at the beginning of the turning but that should correct itself the more the piece becomes a cylinder. Make sure that as you near completion of this section of the turning that the diameter of the circular cut is the same dimension on the left side as on the right side. Use the roughing gouge to make any corrections needed on the wider portions. Also you can use a straight edge to make sure that the turning is level from one end to the other. Tim then created a unique shape on the turned sides. He had a slight decline from the edge of



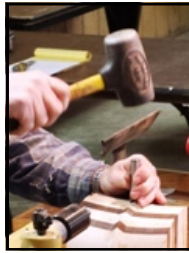
the blank toward the center. The decline was approximately $\frac{1}{2}"$ by the time it got to almost the center of the rounded blank. This was done from each edge and then directly in the middle, equidistant from each end, he created a small peak, ridge, or inverted V shape { which looks like this \wedge }, about $\frac{1}{2}"$ high. Tim did mention that it may be important to use a contour gauge at this point, so that one can duplicate the cut on

the left side to the one on the right side, particularly after any design cuts have been made in the piece. Tim uses a skew as a negative scraper to smooth or straighten out the final cuts to make sure that he has a good surface.



In this stage, Tim removes the turned cylinder from the lathe and takes it to the drill press. He drilled a hole on either side of the rounded turned cylinder that was directly opposite from each other. He measured the distance very accurately to make sure that the two points, 180 degrees opposite from each other, were dead center. The

intent here was to place a flat spot on either side of the cylinder so that when he remounted the piece in the lathe that the drive center and the tailstock center had someplace to gain some traction for the indent and therefore be a safer operation. These flat spots were drilled with a small Forstner bit.



He then placed the cylinder between centers so that the flat spots of the cylinder were on top and on the bottom when it was mounted. The rounded sides, [which were cut in the previous operation], are in a vertical position, perpendicular to the ways of the bed, and the drive center and the tailstock center are placed into

the rounded sides where the drill press made the flat spots. Make sure that the turned cylinder will clear the tool rest as you hand turn the turning blank.

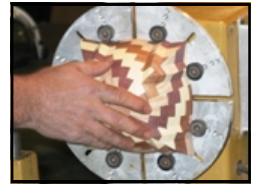
Using a roughing gouge, Tim turned the ends round. So when the turning was concluded, he had four sharp edges but the body of the blank was rounded with very nice ridges or inverted V designs in the middle of the turning. So when concluded, the inverted V designs were 90 degrees opposite each other around the turning. Tim recommended that one should sand as much as possible at each step of the turning so that there is a good surface look to the piece. It is much easier to sand on the lathe than do everything by hand after it is off the lathe.



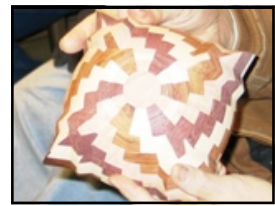
After the turning has been completed and the sanding is finished, he then removed the blank from the lathe and proceeded to split the turning apart at the center of the turning where the waste block and glued up grocery bag paper was attached. He used a wood chisel to make the separation. He placed the flat side of the chisel to the glued up layers with the thicker part of the chisel to the waste block. After a few hits with a hammer, the pieces came apart. He tried to clean off as much paper and glue as he could. He



then mounted a Stronghold chuck in his lathe where he had Cole Jaws attached. This was to provide a solid holding power on the bowl blank and not allow it to move. He then turned a flat spot with a 1/8" tenon, so he could grab it with the chuck. He then mounted the bottom of the tenon in a set of dovetail jaws and turned the inside of the bowl and cleaned it up nicely. He also flattened the flat surface of the bowl so that everything was accurate. He took very careful cuts here with a bowl gouge to remove the excess paper and glue. He sanded the flat areas on top of the bowl as



well as the interior of the bowl itself. He used a scraper to make some very fine finish cuts on the flat surface to clean it up. He also used the scraper to clean out the interior of the bowl and remove any tool marks left by the bowl gouge. The bowl could then be removed from the chuck and reversed on the chuck. This would provide the final step where you could turn off the tenon at the bottom of the bowl and create a nice recessed contour to the bottom of the piece. These same steps were also used on the second bowl and bring it to completion.



The members would like to thank Tim for an excellent demonstration on square bowls.

Show and Tell



Upcoming Events

Hartville Tool Sale

The Hartville Tool Sale will be held on Feb. 20 and 21. We will again be provided a booth at the show and we will have about two lathes that we can use for our demos. We need demonstrators to participate in the show. Bring your tools, bring a blank and turn a small item for the crowd! There is no formal sign up or schedule. Plus all tools are on sale!

Hands on Events

John Beaver—Wavy Bowls

Erie Woodturners will be hosting John Beaver, a professional wood turner, in April 2015. He is noted for his wavy bowls as well as other techniques he has perfected. There is a demo price that is always reasonable and there will be a lunch provided by Bill Blasic, president of Erie Woodturners. Contact Bill Stone if you are interested in attending. You can find photos at John's website, <http://www.johnbeaver.net>

Molly Winton wood burning techniques

The Erie Woodturners will also have Molly Winton in June, after the AAW meeting in Pittsburgh. She is noted for her wood burning techniques and small turnings. More can be found at Molly's website, <http://www.turningmaven.com/>

Calendar of Events

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

February 14, 2015....George Raeder, vacuum chucks demonstration with the equipment purchased with the money from the Larry McCardel Memorial Fund.

March 14, 2015.....Dave Wells, using a bearing to support spindle turning.

April 11, 2015....Hoby Horn on Wood burning and Electrification Art

May 9, 2015.....Howard Lorson, Demo to be announced

June 13, 2015....Annual Club Outing at Doll Lumber Co.

July 11, 2015....Annual Club Auction of Donated Equipment and Wood

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