



Contains May Minutes

June 2012

BUCKEYE WOODWORKERS AND WOODTURNERS May 12, 2012

The regular meeting BWWT was called to order by Pres. Bob Scharl at 9:00 am. He wished everyone a Good Morning and indicated that today's demo would be on chucking wood on the lathe. He stated that Bob Taylor would discuss the collet chuck, George Raeder would talk on the scroll chuck, Bob Scharl would talk about reverse chucking by David Reeds Smith and Ben Fix would discuss vacuum chucking.

Pres. Scharl indicated that the June meeting would be held at Doll Lumber Company in Southington, Ohio. He said that there will be an Akron U. professor on horticulture discussing the current status of the Emerald Ash Bore as well as other insects that attack the trees in our area. Doll Lumber will have nice turning blanks, burls, and flat stock available for purchase by our members. A tour of the saw mill will occur after the regular program has ended. North Coast members will be joining us for this event. The picnic will follow all the morning activities. A show of hands indicated that there would be about 20 to 25 members staying for the picnic. The cost will be \$5 per person, payable at the day of the meeting.

Marty Chapman, representative of the Miner-

va Turn Off, indicated that there had been 22 members signed up to turn wood from 9 AM to around late afternoon at the Main Street location in town. These demonstrations will take place in the protection of the awnings that overhang the street along all the storefronts in the area. A reception will be held on June 8 at the Art Spot Gallery for all the participants from 5 to 9 pm. There will be goodie bags for everyone who woodturns. There will be an opportunity to sell any goods at the Turn Off or sell in the gallery later in the week.

There will be approximately 5 lathes available for individual turners that do not have theirs available. There will be tables available at every turning station as well as a grinder for sharpening their tools at a convenient location. Extension cords will be available if individuals need them.

Professional woodturner, Dave Hout will be on hand to do some turning. Members are encouraged to attend this event.

The Summit County YMCA recognized individuals and local groups in the area that have helped the YMCA in their contributions of money and time. Ben Fix represented the BWWT organization to receive the Outstanding Contributor Plaque. This plaque was then given to Pres. Bob Scharl.

Pres. Bob Scharl stated that anyone that has a woodturned piece to enter into the Wayne Co. Center for the Arts show was to take them to his car at the conclusion of the meeting. These pieces will be taken to Wooster

Ohio for the upcoming show. Upon conclusion of the show, they will be returned to the members in early fall.

The treasurers' report was given by Bob Scharl. It was also noted that there is a balance of \$66 remaining in the Hartville Tool Discount Program. It was noted that this money can be used for club purchases in the coming months.

The president also noted that the money needed to hire outside professional woodturners has been used up in the past year. A motion was made by Jon Foltz that we should have \$2400 deposited in the contingency fund for professional woodturners. The motion was seconded by Glen Graham. The motion passed by unanimous vote. This money will be used to secure professional woodturners in the coming months.

Ben Fix questioned the open policy used at the last meeting for outside woodturners that do not belong to our club, to attend the meeting without paying a fee for this service. This observation was made due to the fact that our club dues paid for the tuition and travel expenses of the professional speaker. It was also questioned as to whether our BWWT members have free attendance guaranteed at any North Coast Woodturning professional speaker program? It was suggested that the Executive Committee take up a discussion of this topic and come back with a presentation to the club. It was also noted that there should be a distinction and separate consideration for a visiting relative of an active member of BWWT.

The following list was compiled for the 2012 year of demonstrations for BWWT.....June – Doll Lumber Co. field trip, July- Annual Club Auction, August – TBA, Sept. – Mirka Sales Rep., Oct. – Bandsawn Boxes by Bob Taylor, Nov. – Elliptical Box Construction by Bob Scharl, Dec. – Christmas Dinner.

It was noted that the Camp Y Noah administration said that we are not to come into the camp by the back entrance off Christman Road and through the equestrian center. This is very dangerous to animals and children in this area. So for safety sake the back gate will be closed.

The high rope shelter was built and completed on April 22 to 25. There were 8 individuals from BWWT that helped with this project. A large thank you goes out to them for their efforts. The camp administration loves the way it looks and how functional it will be. Bob Taylor indicated that this is what pays for our rent to the camp for use of Kastner Hall. This project as well as other camp work projects have helped the camp and paid for our unstated obligations to the camp.

Roger Long was recognized for the procurement and building of the library unit so that we can store our books and DVD's. This was appreciated by the BWWT membership. It was noted that Roger had over 100 hours of his time involved in the cabinet construction.

The monthly club raffle took in \$138 this month. Many prizes of the forest were won by the membership.

Glen Graham made a motion that we sponsor the Wayne Center for the Arts this year with a contribution of \$200. The motion was seconded by Jon Folz and a vote was taken of the membership. It was passed by unanimous vote of the members.

Respectfully submitted
Jerry Schaible, Sec.

**Wood Holding Techniques
Presented by Bob Taylor, Bob
Scharl, George Raeder, and Ben
Fix.
May 12, 2012**

Collet Chucking by Bob Taylor



Bob chose the use of the collet to hold small items on the lathe. He said that many times when one wants to make small items, the process of holding them on the lathe for spindle type turning is very cumbersome since the 4 pronged drive centers and the live centers are too large to work effectively. So for this turning demonstration event, Bob chose to turn a pine cone into a pen blank. The first thing that he did was to take the pine cone to the bandsaw and cut the cone into a square blank. This removed the "petals" of the pine cone and prepared it for mounting between centers. He cut the pine cone into a pen blank with four sides that were about 5/8" square and about 4 inches long. For the centers he used a very small spur center and a very small live center tailstock. He held the squared pen blank in position and then turned it round with a small spindle gouge. In this case there were numerous voids in the blank and so he filled them with the turned pine cone dust that laid on the bed of the lathe. Then he added some CA glue to the dust and that hardened off the surface in the blank. He turned the glued area of the blank into a round cylinder and then cut off the ends. The diameter of the blank was measured carefully so that it would fit into the desired collet. A collet is generally a holding mechanism for the lathe that has a Morse taper 2 shape at one end and the other end has numerous splits in it so that it can be expanded slightly to insert the blank and then tightened up so that the blank is held tightly. After the blank was

placed in the collet and tightened up, it was placed in the headstock. The tailstock was brought up to locate the center of the other end. The blank was now ready to have the center drilled out for the brass tube to be glued into position. The tailstock ball bearing center was removed and it was replaced with a drill chuck and the appropriate drill bit inserted. The lathe was turned on to provide a revolving blank and the drill was moved forward by the hand wheel on the tailstock. The collet chuck held the pen blank securely during the drilling process. The hole was drilled precisely in the center of the blank by this process. Collet chucks come in all sizes to fit any turning need that one has. They also make a collet chuck holder that provides for easy interchanging of various sized collets. Bob purchased the collet set from Penn State Industries. The company does provide a catalog for ordering their equipment. They can be contacted at 1-800-377-7297 or at pennstateind.com for further information or the ordering of a catalog.

Face Plate Mounting by Bob Scharl

Bob showed the use of a face plate for mounting bowl and platter blanks on the lathe. Many times the bowl or platter blank is cut from a half log segment or from a 2 or 3 inch board. A face plate can then be mounted on what will be determined to be the top of the bowl or platter. So if the blank was turned between centers to be roughed out, then there will be a center indent remaining on the top of the blank. If the piece was simply cut out on the bandsaw then the nail hole could be used as the centering location or the center location can be simply measured right on the blank. In any event, a center indent needs to be made in the top part of the turned piece. Then the faceplate can be centered over the hole and screwed in position. It is at this point that Bob created a very nice location tool to center the faceplate, rather

than guessing where the center was. This center location device has a turned tenon that fits through the threaded opening of the faceplate. At one end of the tenon he has a larger turned "handle" that can be used for holding the device. At the other end he has inserted a sharp ended nail segment or sharp pointed shaft to insert into the hole depression. When the centered nail enters the hole depression in the blank, the face plate has been centered and can be screwed to the top of the blank. A specially turned awl with a shaft diameter as large as the screw hole opening was used to mark the location of the screws for the faceplate. A carefully centered faceplate will help in eliminating a lot of vibration when the lathe is turned on. It was noted that one should use as many screws as the faceplate will allow to hold the faceplate on the blank. It was also stated that one should use #12 by 1 1/2" sheet metal screws to hold the faceplate in position. At no time are you to use drywall screws for this application. At all times one should use safety glasses for this process.

Bob went on to show how one could mount a waste block on the faceplate to reverse turn the bottom of the blank as suggested by David Reed Smith. In this process, the bowl interior would have been turned and completed. The blank will have been removed from the scroll chuck. It is set aside momentarily and a waste block with a profile of the interior will have to be made. The waste block blank is mounted to the face plate with #12 sheet metal screws. The waste block is rounded and trued on the edges. A negative copy of the interior profile is turned on the face plate. This can be accomplished by using a set of probes or profile copier with all the thin wires in a row. This will help establish the opposite profile of the interior bowl design onto the waste block.

Numerous checks are made to insure that the negative profile will match the interior design of the piece. When the profile has been established, then the profile is covered with

painters tape. Blue painters tape will also be placed on the interior of the bowl design. The blue painters tape must cover the complete surfaces on both pieces. Hot melt glue is then placed on the non sticky side of the blue tape. The bowl interior is then placed over the negative profile of the waste block and centered with the tailstock center. When the hot melt glue has hardened, one can remove the tailstock and begin to turn the bottom profile of the bowl as well as the bottom foot without restrictions from a tailstock. A question came up as to whether double sided tape could be used for this application and it was determined that it was too sticky and it would be very difficult to get thin and delicate turnings off the waste block without damage. It was noted that the larger the bowl blank, the more hot melt glue was needed for safety concerns.



Scroll Chucking by George Raeder

George showed us styles of chucks that can be used on the lathe. One type has a one handed tightening key and usually a gear driven end to match what is in the chuck. The other chuck is one that has two tommy bars to fit the scroll chuck and they are twisted against each other so the jaws are tightened against the tenon bottom. Other turners have noted that sometimes it takes three hands to hold the platter blank in position. Any of these chucks will cost from \$100 to \$400 to purchase. They have different size jaws to fit dif-

ferent applications. Most manufacturers have accessory jaws that will fit their lathes. The jaws may not be interchangeable from manufacturer to manufacturer, however. The scroll jaws can fit over a tenon or into a recess in the bottom of a bowl or platter. There are spindle adapters that can be used to do spindle turning if desired. Stronghold jaws have serrated edges and these have very strong holding power. Many come with a screw hole drive center which has a protruded screw threads to hold the piece. George indicated that he uses his about 90% of the time. One can use spacers if thinner blanks are used so that the screw chuck does not protrude through the bottom of the blank. One can also use dovetail jaws in these scroll chucks. It is advisable that one turns a dovetail profile on the tenon or on the recess walls to fit the dovetail jaws. George created a dovetail profile on a Craftsman scraper to match the profile on his jaws by grinding the profile with his grinding wheels. He therefore can cut the dovetail profile easily on his tenons at the bottom foot of his bowls. On the interior walls of the spigot recess, he uses a round skew to cut the interior dovetails.

George noted that there are some Cole jaws that are available to hold the finished piece on the scroll chuck in order to cut the bottom of the bowls. This holds the rim of the bowl inside of 8 wedge buttons to grip the piece. Then one can turn the bottom the bowl without the tailstock in position. It was noted by George that one can turn some ornaments very easily when using the scroll chucks. This can be done by taking square stock that has been cut on the bandsaw and place the flat sides of the blank against the jaws of the chuck and tighten up the jaws to hold the piece securely. Then use a roughing gouge to turn off the corners of the blank, right up to the chuck. On the end of the blank, turn a tenon to fit the jaws. Reverse the blank and turn the rounded ornament with ease.



Vacuum Chucking by Ben Fix

Ben described the use of the vacuum chuck to hold the bowl blanks so that one could turn a nice decorative bottom. He said that many times the bowls are turned that the bottom is very large and does not look artistically pleasing to the eye. To turn the narrow artistic bottoms, one needs to turn the interior of the piece first and then reverse the piece to turn the appropriate shaped bottom. This is done by the use of vacuum to hold the piece in position and turn the bottom that is free from the tailstock. This could be used when turning a natural edge bowl and it would be virtually impossible to place the winged natural edge into a jamb chuck or a Cole jaws setup. So you would turn the blank on a spur drive center in the headstock and the use of the tailstock. Create a tenon on the bottom to fit the scroll chuck is available. Make sure that the drive center has good wood to grip the prongs. Make adjustments so that the wings of the natural edges are even. Place the tenon in the scroll chuck and turn the exterior of the piece, then turn interior of the bowl and create the natural edge in the process. Remove the bowl from the scroll chuck and apply the vacuum chuck system. It was noted that the Dave Hout Hold Fast system is very reasonable the best way to turn the bottom of the bowl. It is a vacuum system that utilizes the compressed air from your compressor and passes it through small ventricles using the Bernoli principle. It is currently

sold through Hartville Hardware. One is to use the vacuum chuck that is supplied to hold the piece in position. Others can be made from PVC materials. When the natural edge bowl is centered by the use of the tail-stock in the centered indent, then the piece should be in balance. It is at this time that one can turn the small foot in the bottom of the bowl. Others vacuum pumps that are available are the Gast vacuum pumps and these are usually sold at plumbing supply houses.

Respectfully submitted,
Jerry Schaible, Sec.

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

Calendar of Events

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

June, 2012..... Field Trip To Doll Lumber in/
near Ravenna, Ohio

July, 2012..... Annual Auction at the Camp
Y-Noah day camp pavilion. Enter from
Christman Road

August, 2012.... TBA

September, 2012..... Peter Kern from Mirka
Products

October, 2012...Bandsawn boxes by Bob
Taylor

November, 2012....Elipitical ring box by Bob
Scharl

December 8, 2012....Annual Christmas Din-
ner at Camp Y-Noah

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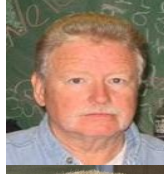
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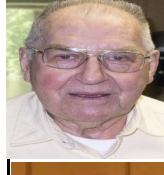
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