



Contains September 2015 Minutes

October, 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  
September 12, 2015**

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

**BWWT Meeting  
Sept. 12, 2015**

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

The regular meeting of BWWT was held on Sept. 12, 2015 at Camp Y Noah, in Summit County Ohio. The following items were discussed.....

1. Pres. Bill Stone thanked everyone for attending the meeting and hoped that they would have a good time. He reminded everyone that the meeting date for the month of October will be on the third weekend of the month, or Oct. 17, 2015. He reminded everyone that there will be a significant number of regular members that will be attending the Cincinnati Woodturning Symposium on the second Sat. of Oct. They will also be checking on a speaker at that meeting to see if he would like to come to our meeting and put on a demo.
2. Pres. Stone reminded everyone that he had 4 booths scheduled to be used at the Paul Bunyon Show in Cambridge Ohio, and they are going to use only three for our members. If anyone would like to use the other booth to show their turnings and also demonstrate, they could have it. If you come to the show be sure to bring a mini lathe so that you can put on a demo for the crowds. Contact Bill if you want

any further information.

3. The Hartville Tool Sale will be on Friday and Saturday, Nov. 20 and 21. We do need people to demonstrate at the show. If you are interested, then contact Bill Stone for information and times. He also stated that there will be wood turning tool discounts available on those days of the sale. He also stated that there will be a store wide bag sale for anything that you can get in the sale bags and the usual discount is 20% off the regular price. The bag sale is prior to the tool sale. He noted that there will be a demonstration stage in the basement where the company representatives will be describing and showing their product lines.

4. George Raeder gave a short informative talk about the Wooster Art Show and how the show was set up. He indicated that everything was unpacked and organized on the tables in the art show. He indicated that the judges they have secured are the best that they have had in the 8 years that we have been participating in the show. There were 24 members from Buckeye and Northcoast wood turners that participated in providing turned items for the show. In total, there were 94 pieces submitted for judging. Tom Pontius will be the BWWT featured turner. A total of 30 award designations were handed out as well as \$3000 in prizes. George indicated that management was very skeptical at the beginning of allowing us into the show. But once they saw the work that we did, they felt that the accomplishments and turned items were unbelievable. The opening night for the show will be from 6 to 8 pm on Sept. 17. The winners from BWWT were Bill Stone, Kevin Kirkland, Dirk Falther, Tom Nellis, and Richard Rohr.

5. Richard Rohr, VP, gave an update on the collaborative project of the spinning wheel. He stated that the first spinning wheel was taken to the Wooster Art Show but will not be in a competitive judging. The second spinning wheel will be located at Hartville Hardware during the Tool Sale. He indicated that he was extremely pleased with how the projects went.

He said that there were over 50 items for each spinning wheel. He felt that it took more work than anyone had anticipated. He was extremely pleased at how everyone worked together to reach the final result of working spinning wheels. Richard handed out awards to everyone that worked on the project. The following people received the awards.....Tom Nellis, Hoby Horn, Gayle Seymour, David Wells, Co Chairman, Mike Weinberg, Ray Marr, John Folz, Kevin Kirkland, Dave Floyd, Marty Chapman, Claude Custer, and Richard Rohr, Co Chairman and Jerry Schaible.

6. A total of 4 new members were introduced at the meeting.

7. The name tag drawing was won by Tony Fix.

### **Dirk Falther, Peppermill Offset Turning Sept 12, 2015.**

**Respectfully submitted  
Jerry Schaible, Sec.**

Dirk Falther stated that he joined the club about 4 years ago and has enjoyed immensely. He said that he began his turning experience while in high school and then took a break due to college commitments. He stated that he has learned a lot from some of the older members of the club and found their information valuable to his turning experiences. He said that he learned a lot of turning information at the Pittsburgh AAW Symposium. He said that it was 3 days of continuous turning experiences from the best in the country. He did volunteer so that he could get a close up view of how the nationally known turners were able to complete their projects. He said that it was invigorating to see some world class turners.

He said that he began doing multi axis turnings to enhance some of his peppermills. He stated that multi axis turnings, simply means that you have more than



one axis on a turned piece. He said that Jean-Francois Escoulen from France is probably the best known multi axis turner in the world. Barbara Dill from Virginia is probably the best known in the US

and does great work.

He said that as far as the type of grinder goes, he prefers the crush grinder mechanism. He said that these can be purchased from Craft Supply and Packard Woodturning. He indicated that he usually selects the grinder that has a shaft length through the grinder that you can cut to length or size. In that way, you can customize the grinder to the height that you prefer rather than



selecting a mechanism that forces you to turn the peppermill to a predetermined size with no personal choice. Most pepper mill grinders are round on the external shape with only a central axis at either end. He mentioned that today we will have that central axis as well as three other axis points around the bottom and top diameters. These three axis will be at 120 degrees around the end diameters. The first step is to secure a turning blank that is about 3 inches by 6 or 8 inches in length. Place between centers on the middle axis and turn a tenon on each end that will fit into the scroll chuck that you are using. He stated that he likes the Steb center with a center point and many teeth around the perimeter of the center over and superior to the four prong drive center. Cut the top of the grinder and then the bottom of the grinder circular profile using the scroll chuck. Make a reduced tenon of about 1 1/4 inches in one part and a recess hole in the other part. These must fit tightly together so that one has to use a wood mallet to fit them together. This is done so that it will not turn while you are cutting on the



offset turning axis. He then used a protractor to mark off the radius distance of the tenon along the exterior rim of the tenon on the complete top and bottom of the blank. This produced 6 marks along the tenon rim edge. He then took every other one to acquire his three points of 120 degrees along the





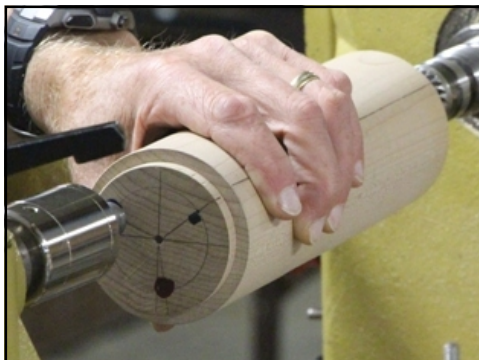
tenon edge. Dirk found that it is very easy to find the correct axis at 120 degrees by marking them with a color pen. He used red, green and blue and he also marked the other end to align the profile to be turned. He used a simple numbering system of 1, 2, and 3. He would number the other end with the

same system. Then he would align the numbers so that they would add up to 4....ie, axis 1 and 3, axis 2 and 2, and 3 and 1. This would provide the same twist or off center turning facet around the peppermill.

Dirk informed us that there are 4 drill bits that one needed to drill out the interior of the peppermill. He used Forstner bits for this drilling operation. He indicated that the sizes needed are, 1 3/4", 1 1/2", 1 1/4", and 1". He indicated that he likes the carbide tipped drills, due to the fact that they stay sharp for a long time. He has also used high speed steel [HSS] bits but that he has



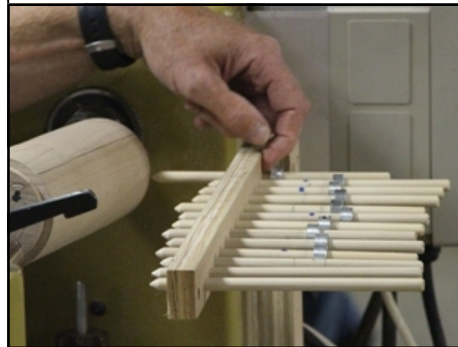
to sharpen them for every peppermill that he makes. He prefers to drill out the center of the peppermill on the lathe and uses the center point in the end of the blank to align with the tailstock ball bearing center and then tighten up the scroll chuck for the drilling process to be completed. When turning the three axis points to get the twist concept on the exterior of



the peppermill, he used a cup center with a point in the tailstock. He felt that it gives him more holding power when doing the offset turning by

the use of the cup center indent. He used the tailstock to make the compression point indents into each end, all at the same time and by aligning by the same color profile.

When doing the offset turning, he used some popsicle sticks to measure the distance from the tool rest. He set up the tool rest so that it cleared the peppermill and left it in a permanent position so that he could get the same measurement each time. Later he turned to



a measuring device that had a row of fingers along the bracket. This bracket was fixed to the lathe bed at the front of the lathe and the small fingers, consisting of small dowel

rods with a small circle adjustment stop on each rod or finger. He could slide these in

and out to determine if he had reached his turning limit on the piece. This worked on the same principle as the profile gauges that are available for



woodworking. Dirk always used a safety helmet with a shield to protect his eyes and face. He turned on the lathe at slow speed and then increased the speed until he brought up some vibration. He was able to touch the

lathe or tool rest to get a feel for the vibration. In the turning process he would enter the wood blank



gently with the tool and took LIGHT cuts into the blank. He used a 1/2" spindle gouge and ground a 35 degree angle on the cutting edge. He stopped the

lathe frequently to see how he was doing. He stated several times that one should watch the horizon of the cutting or shadow across the top of the wood blank to see how the cutting process is going. One can also use a high intensity light to check the cutting profile. When removing the tool from the cutting process, you are to move the tool directly back out at 90 degrees. If you move it out to the left or right, you will hit the wood surface and mess up the cut by getting a catch. Dirk warned that one should not turn down the edge of the blank to far because you need the bulk at the ends to hold the blank in position on the drive center and the tailstock. If it is too thin or near the edge, then you may crack out a piece of wood that will alter your axis. If this happens you will have to start over in this process. By the same token, by having too much wood on the tenon ends to prevent splitting, would change the geometry of the finished piece.



To finish the piece, he would sand with a power sander to achieve a very nice smooth surface. He will use sandpaper grit to finish out around 800 to 1000 grit. He sands between each coat of finish that he puts on. Dirk uses Homer Formby's Tung Oil finish. He will put on 5 to 8 coats with one night drying allowances between each coat. He will use the Beall Buffing System to put a fine polish on the final coat.

It should also be noted that Dirk used a wooden drive center with diameters that fit the size holes that he had drilled. These can be made from any piece of wood and use a parting tool to bring the diameters close to perfection. This could be called a step drive center. It was used to center up the pieces if they needed refinement.

We would like to thank Dirk for giving us a well detailed demonstration. We also need to thank him for his showing of the jigs and fixtures that he used during the turning process.

### Finished Pepper Mills



Drill Mill Pictures— Used for drilling holes of different sizes at the same time.





Show and Tell



## Calendar of Events

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

**October 17, 2015....George Raeder** Large  
 Platters and Vacuum Chucking.

**November 14, 2015....Bob Hasenyager**  
 Cryptex Box

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**SHALL ENTER OR EXIT THE**  
**CAMP VIA THE CHRISTMAN**  
**ROAD ENTRANCE. MEMBERS**  
**MUST ENTER AND EXIT FROM**  
**MT.PLEASANT ROAD.**

**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 de-  
 scriptions on the subject matter and other useful  
 information. Follow the link below to check it out.

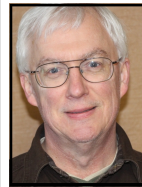
<http://uh.cx/us4im>

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