



Contains January 2016 Minutes

February, 2016

**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 9, 2016**

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

**BWWT Business Meeting  
Jan. 9, 2016  
Camp Y Noah**

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

Pres. Richard Rohr opened the BWWT meeting at 9:00 AM by welcoming all the members as well as issuing them a Happy New Year greeting. The following items were discussed:

1. Pres. Rohr introduced himself as the newly elected president of BWWT. He also stated that Bob Stone was elected as Vice President. Past president Bill Stone will become the chairman of all the programming for the 2016 year. Richard also stated that Bill had completed a lot of work for the club in the past year and that he was issued a big thanks from all the members. He has also been a liaison to Hartville Hardware as well as the activities in Camp Y Noah. Bill was presented a gift card of appreciation for all the work that he has done for our club in the past year when he was president. Bill is a prolific woodturner and carver.

2. Bill Stone indicated that he would need some suggestions in acquiring demos for the coming year. He did mention that in Feb. we will have member Marty

Chapman give demonstrations on miniature turnings in wood. The March demonstration will be announced next month. The April demonstration will be Glenn Lucas from Ireland. In May, we will have several demonstrators from the Cincinnati Symposium that will show us how to make jigs for the lathe. Bill also indicated that the gentleman that he had requested for a demo turning of hats in the fall of 2016, has informed us that he has retired from all speaking engagements. So we will be looking in other directions for demonstrations in the coming months.

3. On Jan. 16, 2016, Claude Custer, a member of our club, will be demonstrating the spinning of raw wool into yarn at the Portage County Heritage Society. Claude will be using one of the spinning wheels that our club made in the past year. We will be interested in hearing some of the feedback from this demonstration and how well the spinning wheel worked for him.

Feb. 19-20 will be the time for the Hartville Hardware Tool Sale. Our club will be demonstrating at this show. We will need demonstrators for this event.

On April 8, 2016, Glenn Lucas will hold a Hands On activity for our members. This will be located at Erie Pa. There will be a fee for participation in this event. Lunch will be provided by the Erie Woodturning club. It will be an all day session.

4. Bill Stone introduced Jonathon Malish, landscape technician, from the City of Akron. It was noted that the City of Akron had to cut down a historical tree from the west side and that they would be seeking our help in creating some beautiful bowls or platters. Bill gave him three bowls for them to see and evaluate. Jon indicated that he had a meeting in the near future and this would be a good visual aid for members of that meeting to see and share ideas.

5. The Camp Y Noah director stated that he wanted to thank the members of our club for making small turned projects for the young campers on Dec. 21. Approximately 8 or 9 members turned items out of wood and then the young campers decorated the pieces with colored pens. These items were to be

given away to their families upon their return from the camp. The director stated that the children talked about these projects during their week in camp. They were every excited to participate in this activity.

6. Treasurer Mark Stransky reported our balances in the treasury. He also stated that tool steel was available as well as CA glue. These would be available at member discounts. He also stated that during the Mark Salay demonstration last month, it was noted that CA glue was used for finishing. It was a slow dry CA that has a 40 sec. drying time. It was discussed about having a group purchase if the members would like. The sizes of glue would come in a 2 ounce or 8 ounce quantity. The price would be \$9 or \$30 for those size quantities. This would be the same price that Mark Salay wanted when he was here. Storage would have to be in the refrigerator.

7. The vice president of North Coast Woodturners, issued an invitation for members of BWWT and the Presque Isle club in Erie Pa. that they could come to any North Coast pro turner demonstration for a small fee of \$10. They meet on the first Sat. of every month at 9:30 AM with the pro turner starting at 10 AM and continuing until around 4:30. They meet in Brecksville, Ohio near the intersection of Rt. 82 and I-77. Go slightly west of Rt. 82 to the meeting location. He noted that Mark St. Leger would be coming in March. Mike Trucco will be coming in May, and Charles Ferrara will be coming in August, 2016.

8. We had a total of five visitors at the meeting.

9. The name tag drawing was won by Gordon Seto

10. The Show and Tell presentation was made by Brent Moore. He used a CNC and Cad system to create the two pieces that he designed. One piece was a bowl with a wavy edge, and the other was a plaque / mask that he designed. They had won prizes at the New Orleans contest. He used 3 axis with fixtures and changing angles as needed. He used a catalyzed lacquer for a finish. Brent is skilled in software use. He said that there are systems that you can use that have five axis but they are very expensive, but not as difficult that one might think.

## **Bill Gougler, Treaded Boxes Jan. 9, 2016.**

**Respectfully submitted  
Jerry Schaible, Sec.**

Bill Gougler introduced himself to the membership and stated that he joined the club in 2012. He said that he had been turning for approximately 6 years. He said that he gained experience in wood turning by making many different items and that gave him encouragement to try other turned projects. He stated that while turning new and varied items, he had to adapt his techniques to the most recent styles he was making. All of these changes increased his knowledge and boosted his confidence in what he could accomplish. Turning threaded boxes caught his attention and he immersed himself into the articles, books and videos to gain as much knowledge as he could.

Bill indicated that he was fortunate in being able to find a threading jig that he adapted to his lathe where he could cut some fine threads. The threading jig can be adapted to cut different size threads per inch with



changes in the lead screw. He said that with milled threads, there may be threads that will tear out. If making side grain boxes, there is a chance that wood will move and then the lid will not fit correctly on the box bottoms. Then when turning the lid onto the bottom of the box, it may bind up occasionally. In the domestic woods, hard maple is best for milling the threads. In exotic woods, he likes using African blackwood. If using mahogany, it may be very grainy and tear out will occur. He will use CA glue constantly through the thread milling process to add strength to the threads. Cherry works well, but again, CA glue is needed for stronger threads.

Bill stated that there are several ways to cut threads on the lathe. Some advance the wood onto a spin-



ning cutter. Some were made for Penn State Industries. They revolved at around 2500 RPM and you could cut 10 threads per inch with the lead screw. Carbatec is no longer available unless you could find one on Ebay.

Another way would be to use All Thread material with 16 TPI and make your own. Today there are several threading



mills that are available such as Baxter, Bonnie Klein, and Sheffler models. They run at approximately \$350 with only one lead screw. If you prefer to have additional thread dimensions, then you can purchase other lead screws from the manufacturer for about \$100 a piece.

To begin the turned thread project, Bill placed a box blank in a standard scroll chuck that was threaded onto the headstock spindle. The box blank was about 3" by 5" long. He used a parting tool to cut a tenon

where the threads would be created. He cut a slight bevel on the end of the tenon for



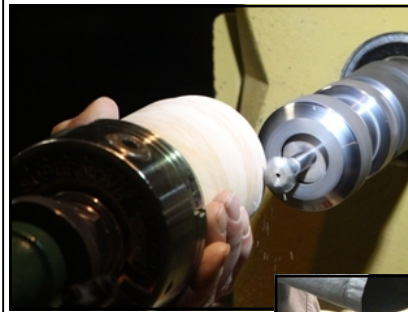
the threading process to get started. He created a smooth surface for the threads and then cut a small



tiny recess at the back of the tenon, where the threads would end. He stated that one needs accuracy adjustments for a cutting line

on the lathe. He used an X / Y axis threading mill for cutting the threads. He said that gives him the

accuracy of depth of cut as well as advancing the cutter. He has an indicator to align the jig for accuracy.



He sets the jig in his banjo or tool rest holder. He aligns the tool rest holder with a square against the rails of the lathe bed. To move the

headstock, he has an adjustment wheel.

To create a depth of cut he uses the second adjustment wheel. He said that it is extremely important to make multiple



passes to get clean cuts on the threads. He stated that one needs to shut off the lathe in order to back



the cutter out of the newly created threads. He said that he takes 10 to 15 thousands of an inch per each cut on the threads. He also advised that one should never cut the threads to a perfect point be-

cause the threads will break off. A member asked a question about whether it would be advantageous to hollow out the box first and then cut the threads or leave the box in a solid blank to cut the threads and then hollow later. Bill responded that the mass of the box is more stable. If you hollow first, then the wood may move and the threads will be off. He also stated that you should never use wet wood. Kiln dry wood is



required.

He also said that if you are using CA glue to stabilize the threads, then go back and recut the threads. CA glue will accumulate on the cutter and have to be cleaned off. He applies CA glue on every pass of the cutter if there is a chip out of grain. When separating the box lid from the bottom, he always uses an extremely thin cutter so that he is able to get the grain to match later. He prefers a 1/16" parting tool.



To make the box and lid, the following steps were used.

1. Cut the lid blank from the body of the box blank.
2. Mount the lid blank in the chuck.
3. The wall thickness under the threads should be 1/4". This can be measured on the blank face and marked with a pencil.
4. He uses a spindle gouge to hollow out the interior of the top. The inside wall needs to be parallel to the outside wall.
5. The depth of the threads will be at approximately 60/1000".
6. Use a brass brush to clean the threads. When finished with the threads, he will use wax to make the threads turn smoothly.
7. If grain does not match up after the threads have been cut, then use a parting tool or very delicate scraper and take very fine cuts of the box shoulder below the threads to align the grain. Take numerous fittings to check to see if the grain aligns. Make very thin fine cuts until the alignment occurs.
8. Thread the lid on the box bottom and then turn the lid top profile. Decorate the box as desired.



## Hand Chasing Threads.....

Bill stated that this used to be the old way that all threads were cut in wood and also metal. He said that you would usually use 16 TPI or a Sorby tool. He said that all threaded hand tools are scrapers and so it would be difficult to get an accurate threading process by this method. He said that one should mount the blank in a scroll chuck and true it up.



Then cut a tenon where the threads will be. He said that it is extremely important to develop a motion when hand chasing threads. He said that the motion consists of an "in"....."traverse"....."out" movement



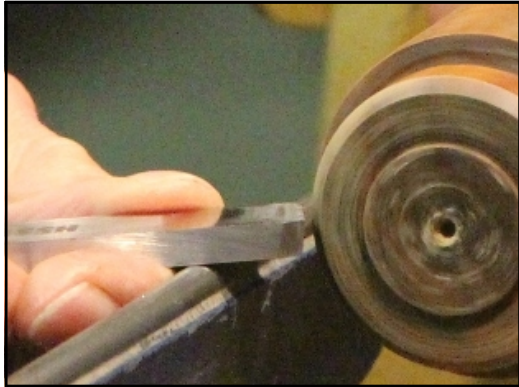
along the threads. He said that one should practice this motion numerous times without cutting any threads. He stated that it is important to get some muscle memory of

what this motion is like. The chasing speed of the lathe should be at around 300 RPM. The tool rest should be close to the tenon in the box and parallel. It is also important to file the tool rest so that there are no nicks in the top edge. One little nick can cause a thread to be out of alignment. Place the Sorby tools at or just below center. He said that it is very important to cut a relief at the back of the threads with a 3 point tool, so that you have a place to exit the threads when removing the tool. He said that he uses a diamond stone or slip stone





to sharpen the tool. He indicated that there is an excellent Allan Batty video that will demonstrate the use of the Sorby tool to chase the threads.



Bill stated that you can go on [youtube.com](http://youtube.com) and search wood thread chasing, wood thread cutting, or wood threading jig to get further information. Some of the great turners in this area would be Alan Batty, Robert Sorby, and Sam Angelo. Hartville Tool and Craft Supplies will carry the tools needed for this project. Chefware Kits will carry the EZ Threading Pro XL Thread Cutting Jig and accessories.

Good woods for chasing threads are Holly, Boxwood, African Blackwood, Lignum Vitae, Osage Orange, and Pink Ivory. Woods for milling or cutting would be any of the above as well as hard maple, maple, mahogany, and cherry.

## Calendar of Events

### PLEASE NOTE

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

**March 12, 2016....Marty Chapman** Turning Miniatures .

**April 9, 2016....Glen Lucas** All day demo-project to be announced.

**May 14, 2016....Terry Elfers and Tom Cummings** From the Cincinnati Club— All day demo on making jigs

**June 11, 2016....Doll Lumber Picnic.**

**July 9, 2016....Club Auction.**

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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/us4im>

## BWWT OFFICERS FOR 2016



### **President**

Richard Rohr  
330-484-2830



### **Vice President**

Bob Stone  
330-928-3221  
bstone@neo.rr.com



### **Secretary**

Gerald Schaible  
330-673-6512  
gschaible001@neo.rr.com



### **Treasurer**

Mark Stransky  
330-688-1690  
mastran@neo.rr.com



### **Librarian**

Dirk Falther  
330-310-4570  
dfalther3@att.net



### **Librarian**

Bob Hasenyager  
330-334-8314  
bobhasenyager@gmail.com



### **Newsletter Editor**

Bob Stone  
330-928-3221  
bstone@neo.rr.com



### **Web Master**

John Adams  
440-838-1122  
jadams@nacs.net



### **Membership Admin.**

Phil Brower  
330-688-7244  
fbtoad@aol.com