



Contains November 2015 Minutes

December, 2015

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**BUCKEYE WOODWORKERS
AND WOODTURNERS
November 14, 2015**

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

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**Respectfully submitted
Jerry Schaible, Sec.**

The business meeting was opened by President Bill Stone. He thanked the members for coming to the meeting. He indicated that the demo today will be presented by Bob Hasenyager. It will be on the turning of Cryptex Boxes.

Bill mentioned that all the turned projects that were entered into the Wooster Show have now been returned in their original boxes. Members will be able to pick up their pieces at the end of the meeting. He also mentioned that the spinning wheel that was made by the Cooperative Group, is also on display on the Show and Tell table for members to look at.

Bill identified that there were three visitors to our meeting today. He also mentioned that there were some invitation cards on the table for the George Raeder Art Show that will be held this Sat. and Sunday.

Bill mentioned that Dirk Falther was at Doll Lumber recently and they gave him some more wood for our club. So it was placed on the raffle table for today's

drawings. There was a two inch thick piece of sassafras that was about 18" across as well as some smaller pieces. Bill went on to mention that Doll Lumber has always been very good to us in providing us with a field trip each year so that we can have a meeting there as well as giving us some lumber for our club. This led Bill into a description of the other relationships that we have with area businesses that provide our club with help. He said that this relationship is very unique among other clubs in the United States. He said that Hartville Hardware, the largest hardware store in the US, gives us donations every month for our raffle table. They also allow us to have a table for use at their tool sale, twice a year. This gives us free exposure for our club. They also give the members discounts on turning tools and equipment. Camp Y Noah gives us free rent and an opportunity to develop a program for the campers during the summer camping season. These valued relationships have been built over the years and we hope will continue well into the future.

The vote for officers was taken for the following candidates: Vice Pres. Bob Stone, Mark Stransky, Treasurer, and Jerry Schaible, Sec. The members voted and all candidates won by unanimous vote. Richard Rohr, former VP, will step up to the presidency in January, 2016.

The December demo will be by Mark Sillay, from Georgia. This demo will consist of a Sat. session that will last all day. There will be no charge to the members for this part of the demonstration as long as your membership has been paid. Members are encouraged to bring their own lunch for the break period. The Sunday session will be a private, hands on activity, where members can have one on one help in turning a project. This will cost \$40, and members are to bring their own wood to turn bowls, or spindles. Mr. Sillay brings a unique style of wood turning and members should really be interested in what he is able to do and how he is able to accomplish it. Members are to see Mark Stransky, treasurer, to make payment. At this time, there was only one spot remaining on the

list for the private hands on activity.

The January demo will be by Bill Gougler. He will be showing how to thread boxes and lids. Some-time next spring we will have two members of the Columbus club showing us how to make jigs for the lathe. In April we will have Glen Lucas for two days, to show us how they turn in Ireland. All these will be exciting for our members to participate in.

Hoby's son gave us some lights that are powered by battery, for use in toilets during the night. They can easily be adapted to other uses around the house.

The Tool Giveaway program continued with about 6 or 7 purchases from Hartville Hardware. These were given out to members in the club drawing.

Dave Floyd thanked Mark Stransky, Treasurer, and Jerry Schaible, Sec. for the work and service that they have provided the club over the years.

The Show and Tell activity featured Dave Wells. He had turned many hats and they were on display at the tables. He stated that they were made out of wet green lumber. He said that they were turned to about 3/32 of an inch thickness in the walls of the hat. He said that after they were turned, they were placed in a hat jig for about 15 hours so that they could dry out. Then they were placed in between two heat lamps for the next 24 hours. He said that one lamp was placed above the hat and another one below it so that he could get even heating inside and out. All the hats were very unique.

Richard Rorh, VP, displayed the collaborative spinning wheel that the club sponsored. He indicated that there were about 15 members who participated in this event. He said that each member picked out one part that they would like to make. He thanked all those who helped and stated that the spinning wheel will be at the Hartville Hardware Tool Sale on Nov. 20 and 21. He also showed a video describing how the spinning wheel was made..

Mark Stransky, treasurer, indicated that tool steel was available for those that would like to make some tools for wood turning. He also said that CA glue was available for purchase. He said that there will be no raffle next month, due to the fact that we will have a pro turner here for an all day session. He also indicated that there was only one spot left for the hands on activity by Mr. Sillay.

Bob Hasenyager Demo Cryptex Boxes November, 14, 2015

Respectfully submitted
Jerry Schaible, Sec.

Bob chose the cryptex boxes because he wanted a nice gift for his young relatives that are interested in engineering.

A cryptex box is described as cylindrical enclosure containing a secret message. It consist of five rings or thin cylinders that are marked with letters of the alphabet and a brass framework to hold everything together. The information to make the cryptex box was available from the American



Woodworker magazine issued in April, 2010.

Bob stated that it is a rather simple looking box and relatively easy turning activity if you follow the directions. It consists of a base with a hollow core that has pins along the shaft. He used nails originally to make the pins but found that they were to difficult to align and so later used wood dowels. Second there is a backbone piece that is a hollow tube that is turned and drilled out with a slot cut in the side. The last thing is a ring of letter that are made from the same wood and the center is drilled away. These six rings are then used for the alphabet letters and symbols.

Bob made the six rings first. The wood that he used to make the rings was sycamore. He said that it is very



important to use dry wood. He used a 3" blank and turned a tenon on one end so that it would fit into this scroll chuck. After placing the blank in the chuck, he squared off the end of the piece.

He used very fine cuts with the bowl gouge and had the flute turned left or toward the piece or at the 9 o'clock position. Light cuts were used so that it would not put heavy pressure on the scroll chuck jaws. Bob

said that he likes to use native woods to Ohio for his projects.

With the blank properly mounted in the scroll chuck, he aligned it to the ball bearing tailstock center. He placed a 1 ½" Forstner bit into his drill chuck and inserted that into the tailstock for drilling out the cen-



ter of the blank. He used a slow lathe speed for drilling out the center. In this process he would not over heat the drill bit. He needed a hole that was about 4 inches deep. He used the handwheel of the tailstock to advance the Forstner bit. You can use a shaft extender if the drill shaft is too short. Clear out the waste chips from the drill hole so that there will be no binding of the drill bit. Place the ball bearing center in the tailstock and center up the blank so that it is true. This additional support is instrumental in providing stability to the remaining turning process that has to be done. Now turn the outside of the blank to a two inch diameter. One can measure the diameter by using a calipers that have been preset to two inches. Bob also used a go/no go gauge to check accuracy. A go/no go gauge is simply a small piece of wood that has been cut with a two inch opening and used for a quick check process. Bob used a 3/8" spindle gouge for truing up the exterior of the tube. After he turned the exterior of the tube so that it was smooth, he put some layout marks on the tube with a pencil. Each mark was 3/8" wide and then extended around the circumference of the tube, so it could be easily seen when the lathe is running. One needs to allow sufficient space in measuring



for the width of the parting tool. To allow for the 24 marks that are needed for the individual letters, Bob used a small piece of paper that was exactly the length of the circumference of the piece. He then folded the paper in half and then half again until he had 24 small spaces. He then wrapped this around the tube and transferred the marks to the tube. He then used the tool rest on the lathe to make the 24 pencil marks straight across on the blank or tube. You need to mark six [6] rings along the tube in this manner. Next using a 1 ¼ inch Forstner bit, drill a rabbet into the end of the tube or ring that is 1/8" deep. Then, using a thin parting tool, cut the ring from the tube blank. Bob did this by using his left hand loosely holding onto the tube end, so that when the ring was cut off, he was able to hold it from flying across the floor. Make successive cuts down the tube in the same manner as



above, [make rabbet cut and then part away], until all six rings have been cut from the blank. Clean up the rings with sandpaper so that they are free from wood chips or slivers. He used a Dremel tool to cut a 3/16" groove in each ring.

In cutting the backbone piece, Bob placed the blank in the chuck and trued up the end as before. The backbone piece is connected to the top and it has a groove



in it. Drill the blank with a 1 1/8" Forstner bit to a depth of about 3 ½ inches. Clean out the drill hole of wood chips so that the drill will not bind in the hole. Place a ball bearing center in the tailstock and then turn down the exterior diameter to 1 ½". The rings should slip over the backbone and fit loosely.

Bob made the base that will hold all the pieces in place. He likes to use cherry for this phase of his turning. He placed the blank in the chuck and using



a 7/8" Forstner bit, he drilled a hole that was 2 3/4" deep in the blank. He then placed the ball bearing center into the drilled hole for truing up the outside. He used a 3/8" spindle gouge to turn and outside diameter of 1 1/8". He then cut an elongated slot in the backbone tube with a small saw or Dremel tool.

He



used 1/8" wood dowel rods as pins and glued them into the drilled holes. He said that they had to be long enough to get to the outer edge of the back-



bone tube.

Bob showed how the only remaining parts to make would be the base and the top finial. He said that one can design



any type of base as long as it fit the companion tube. The top can also be creatively designed as one would like but again must fit the companion tube that will be glued into it.

To make the letters on the rings, he said that one could go to Pat Catans and purchase letter outlines and trace the letters. He said that one can purchase some transfer letters from Hobby Lobby, and use the paper to apply the lettering. He said that he uses one coat of spray lacquer, then transfer the letters and then several more coats of spray lacquer. One could also use woodburning techniques. One could also use stamping letters with ink. He recommended practicing on spare wood parts before trying it on the split rings.



This was an outstanding demonstration put on by Bob and we certainly thank him for all the efforts he used in creating the pieces.

Show and Tell Table-



Calendar of Events

PLEASE NOTE

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

December 12, 2015....Mark Sillay Wood slicing. All day Saturday and Hands on Sunday

January 9, 2016....Bill Gougler Threading Boxes 2 ways– chasing threads and threading jig

February 13, 2016....Marty Chapman Demonstration project to be announced.

March 12, 2016....Demonstrator and project to be announced.

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

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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.

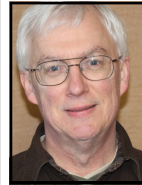
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BWWT OFFICERS FOR 2015



President

Bill Stone
330-896-3687
wilsto@neo.rr.com



Vice President

Richard Rohr
330-484-2830
ritchard.rohr@powellind.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