



Contains January 2011 Minutes

February 2011



Hollow Fast – Marty Chapman  
Jan. 15, 2011

As a way of introduction to the world of woodturning, Marty indicated that he began his woodturning experience in 2003. He also took classes at the Campbell Folk School from Dave Hout. Marty indicated that the folk school would be a great place to learn woodturning since there is a lot of time to do just woodturning projects. He stated that at some point in the woodturning experience, a woodturner will want to do hollow forms, like vases or enclosed vessels. He identified the value of small 1/4" bedan type hollowing tools and stated that they are good for a couple of inches in depth but not for deep hollowing needed for tall vases. Dave Hout, recognizing a need for this type of tool

and noticing the shortcomings of the hollowing tools that are currently out on the market, decided to design and produce this Hollow Fast system. The following steps were used by Marty Chapman to produce the hollow form:

1. Marty used a maple log segment that was about 10 inches long and about 4 or 5 inches in diameter. He used a roughing gouge to remove the bark and true up the vase blank.
2. He used a 3/8" bedan to true up both ends of the blank. He emphasized that one should start the tool rather high on presentation of tool to the wood and then arc it toward the center, allowing the bevel to ride on the wood. This is done by merely raising the tool handle as you proceed into the wood. The tenons that are produced on both ends of the blank, need to be sized so that they will fit into the scroll chuck that will be used later. Marty will use an exterior grip on the tenon.
3. With a pencil, divide the blank into three sections. Determine which two adjacent sections will be used for the bottom of the two part vase. Use a parting tool to divide and separate the remaining third of the blank. Parting tools come as wide as 3/16" or as narrow as 1/16". It is advisable to use the very narrow widths so that there is very little in grain line patterns. This precise grain match up will hide the glue joint when it is

*(Continued on page 2)*

finally put back together for final finishing. Completely separate the top third of the blank from the body and set it aside for later use. This can be done with a bandsaw by placing the log blank in a V-block holder and make the cut for the segment separation.

4. Remove the four pronged drive center. Mount the scroll chuck on the head stock and place the larger of the two sections into the chuck and tighten securely on the tenon. Make a mark on the blank bottom where chuck jaws no. 1 are located. This is in case that you have to remount the piece and need to align it perfectly. Bring up the tailstock for support.

5. Use a  $\frac{1}{2}$ " bowl gouge and form the bottom shape to the vase. The bottom should be narrower than the top shoulder diameter. In using the bowl gouge, one should use the bevel to ride on the cut portion to provide stability for the cutting action of the gouge. Shape the exterior to the approximate diameters so as to give only a hint of the shape desired. Locate where the bottom will be and mark with a pencil. The bottom depth can be measured using a  $\frac{3}{8}$ " dowel length placed in a  $\frac{3}{8}$ " hole drilled in a hardwood cross member that measures  $\frac{3}{4}$  x  $\frac{3}{4}$  x 12" long. Take the external measurement to the bottom location. Make the appropriate mark to determine the exterior bottom of the vase. The final cuts and shaping will occur after the completely hollowed piece has been glued back together.

6. A hole is now needed down through the center of the vase. The measuring device can be used to determine the final interior depth. Use a 1" Forstner bit and drill a hole into the center of the vase. When you are using the Forstner bit, drill at a slow speed so as to not over heat the drill bit. Check with the measuring device often so that you do not drill through the designated bottom.

7. The Hollow Fast hollowing tool which was

designed by Dave Hout, is devised to be used on a mini lathe or on a large lathe by merely changing the adapter fixtures. The tool is designed to have an articulating arm for presentation of the cutting tool. It comes with a revolving cutter head holder so that the cutting edge of the tool bit can be placed at any angle needed on the interior cutting surface of the vase. This tool is made from anodized aluminum and smooth moving joints for ease of cutting. The round bar which holds the revolving cutter head is made from steel. The purpose of the articulated cutting arm is to be able to reach any place on the interior surface and yet provide cutting stability so that there are no catches or jolts to the operators arms. It also holds the cutting tool in correct alignment for the proper cutting angle.

8. This tool has a  $\frac{1}{4}$ " square HSS cutting bit or a carbide bit could also be purchased. It is ground to a rounded nose scraper design so that it can cut effectively. The cutting tip must be aligned so that it cuts at dead center of the project. The cutter needs to be placed level in the holder so that it provides for a clean cut.

9. Hollow out the sides under where the shoulder will be eventually placed. Keep as much stock in the bottom of the vase until the top part has been cleared of as much material as desired. This is to provide as much stability as possible to the upper part of the interior turning as possible. If you cut too deep, and then try to go back and recut the top, you will have too much vibration to get a clean interior surface.

10. Hollow the interior from the drill hole out toward the exterior surface. Remove the built up chips often from the interior since these chips will interfere with the cutting action. Use the cutting edge in a scraping technique. A hunter cutting tip can be used for the last few cuts to get a very smooth finished surface.

11. The main issue in hollowing is to keep the interior wall thickness as constant as possible. There are several devices made to continually check this wall thickness. There are double ended calipers that look like the figure 8 where one can get an approximation of the interior wall. Another measuring tool is to have a laser device that is preset to the wall thickness and when placed in the interior of the piece, the light will show on the exterior and you can take additional cuts until the light disappears. This will indicate that the wall thickness has been achieved. This measuring device can also be purchased as an additional device of the Hollow Fast system.

12. Cut the wall thickness to the upper limits of the vase where the glue line will be. You are attempting to keep the wall thickness at  $\frac{1}{4}$ " consistency throughout the hollowing procedure. Square off the glue surface line so that it can mate up to the top shoulder area of the top piece. You will need to insure a quality gluing surface.

13. When finished hollowing the vase bottom, remove it from the scroll chuck. Place the top third of the piece into the scroll chuck and mark the location of the jaws. Hollow out the interior of the top piece to near where they center entrance hole will be. Again, make a quality glue surface so that it can mate perfectly with the bottom. This will insure that the glue joint will be almost unnoticeable.



14. Remove the top portion of the vase from the scroll chuck. Place the bottom portion of the vase into the scroll chuck and align with the jaw marks or location as previously requested and identified. Place top of vase onto the tailstock side and bring together to check for the accurate glue surface alignment. If you do not have a perfect mating surface, then remove the top portion and re-cut the mating surface on the lower portion, since it is still in the chuck. Recheck the mating surface with the top part of the vase. When the desired surface has been achieved, then use medium CA glue and coat the mating surface with glue. Attach the top part of the vase and align as needed. Bring up the tailstock and apply pressure to the joint and allow the CA glue to set.

15. After the glue dries, then turn or form the top opening to the vase and turn a narrow entrance hole of approximately  $\frac{3}{4}$ ". Turn an artistic top to the piece so that it flows into the bottom of the vase. Try to add a small bead or two to hide the glue line.

16. Turn the entire vase so that all final adjustments can be made. Create a good art form or shape for the piece to suit personal taste. Sand the entire piece to get it prepared for the finishing steps. Move through the sanding grits to achieve the desired surface.

17. Add sanding sealer to the exterior and place in a bag for several days to dry out slowly. This is to prevent cracking of the sides of the vase.

18. Cut off the bottom waste block that remains. This can be done by several methods. One is to use a parting tool and just make a parting cut to separate the vase from the waste block. This usually leaves a very rough edge that is difficult to sand out. A second method is to take the vase and turn it 180 degrees on the lathe so that the top of

the vase is facing the headstock. Bring up the tailstock for support. Remove the excess wood from the bottom around the waste block area. Use a detail gouge and turn a flat bottom with a small nub remaining. The detail gouge can be purchased or made from HSS stock that we sell at the club. A detail gouge has swept sides that extend back on the cutting surface of the tool. Remove the vase from the lathe and sand bottom.

Respectfully submitted,  
Jerry Schaible, Sec.

BUCKEYE WOODWORKERS  
AND WOODTURNERS  
Jan. 15, 2011

The regular meeting of BWWT was called to order by the newly elected president, Tom Johnson. He asked that any guests and new members stand and introduce themselves. One guest and two new members were introduced. There were a total of 55 members in attendance for today's meeting.

Tom indicated that we now have a club credit of \$218 at Hartville Hardware. This was money that was allotted to us from purchases made at Hartville Tool by members of our club. An idea was brought forth from the executive committee that we should consider the purchase of another grinder for our club activities. Also included in this would possibly be the purchase of sharpening jigs, similar to the kind produced by Oneway or the Wolverine jig. These purchases will be looked into by the committee and then a final determination will be made. It was suggested that Hoby Horn build us a grinding stand so that the new grinder could be mounted appropriately.

Tom mentioned that BWWT has purchased several DVD's from Brian McEvoy, who came

to our meeting in late 2010 to demonstrate the technique of adding carved sections to a woodturned piece. We have also purchased a DVD from Bob Rosand on turning projects from scrap wood. This was purchased directly from Mr. Rosand. These DVDs are currently located in our library and are available to be checked out. Members were urged to check out the library selections and then fill out the card and place it on file in the small card box provided.

Tom mentioned that we have purchased a new camera mount to hold the TV cameras from the ceiling. This will be able to give us enhanced photography and camera angles during our demonstrations.

Bill Seabolt gave us a treasurers report and indicated that we have enough funds to place additional money in the demonstrator funds account. He indicated that it is rather costly to bring in outside turners and that we need money for this event. Bill also mentioned that he has been having a membership drive for about the past 4 months and he is about to wrap up the effort. He indicated that after another week or two, he would take the non-paid members names off the membership rolls, if they have not paid. This would also mean that those members names will be taken off the list of individuals that can make purchases at Hartville Tool at a 15% club discount. It was identified that members of our club can make purchases at Hartville Tool and that anything that is not on sale, we can get 15% discount on those purchases.

Ben Fix mentioned that the Canton area has two woodcarving clubs that are active. He stated that they are interested in having a combined show with our woodturners and that our club would be invited to participate. They will have 60 tables available for the art show. The cost will be \$30 per table and we will be allowed to show turned items for sale. The members from the carving clubs may visit our Feb. meeting to talk about their offer.

This Canton Art Show will be held on Friday and Sat., March 26 & 27. They would like woodturners to participate to expand their appeal to wood lovers in the area.

Tom mentioned that running for the office of president actually commits an officer to a 3 year commitment. In the first year, one fills the office of VP., while during the second year, he is in the seat of the presidency, while during the third year, he becomes the chairman of the demonstration committee. He then introduced Bill Stone, the past president of BWWT, for his reporting on the future demonstrations that will take place in 2011. Bill mentioned that he has selected two members to help him develop the 2011 roster of monthly demonstrations. The other two members are Jon Folz and Bob Taylor. The following list are the monthly demonstrations that have been proposed...

Jan. .... Demo on the Hollow Fast Tool by Marty Chapman

Feb. .... Fred Dutton from the Columbus woodturning club on the making of mini hats.

There will be a Hands On activity after the meeting.

March.....Ernie Conover will demonstrate spindle turning. This will be an all day session. He will be making

many spindle turned projects.

April.....Tim Niewiadomski will demonstrate the making of pepper mills

May.....Tool making session

June.....Visit to Doll Lumber Co.

July.....Annual Club Tool Auction at the Y Noah pavilion.

August.....Mirka Corp Rep. will demonstrate sanding techniques on woodturning.

Sept.....TBA

Oct.....Christmas Ornament Decorations

Nov.....TBA

Dec.....Christmas Dinner

There was a motion by Bill Stone from the demonstration committee to add an additional \$1000 to the outside demonstrator account to bring nationally recognized to

BWWT for woodturning lectures. The motion was seconded by Mike Bauman. This motion passed unanimously.

Emory Yoder was introduced by Bill Stone as the young man from Winesburg that has visited our club to learn how to do some woodturning. We have made it available for him to be picked up at his farm home and brought to the meetings so that he can learn how to woodturn. Ray Marr was recognized for his participation in and immediate offer to transport Emory to camp Y Noah.

Bill Blasic from the Erie Pa. woodturning club has notified us that Doug Fisher will be the pro woodturner in attendance at their club. They will have some positions available for Hands On activities. The cost will be \$65 per session, which includes lunch. Contact Bill Stone if you are interested in participating.

The name tag drawing was held and David Wells won the magnetic measuring tape and magnetic dish. The raffle was held after the meeting concluded.

Respectfully submitted

Jerry Schaible, Sec.

## BWWT Classifieds

13" Rigid thickness planer for sale. Asking price is \$250

This model was built in the USA, not China. Equipped with stand and shelves.

Equipped with "Repeatable depth" and "Shure Cut" system to reduce snipes

Excellent condition. Missing dust collector.

Contact: Karl Kerstetter @ (330) 608 3008  
Planer located in City of Green near Middle School.



## Calendar of Events

The February meeting of BWWT will be at YMCA Camp Y-NOAH on Saturday February 19, 2011.

A demonstration by Fred Dutton from the Columbus woodturning club on the making of mini hats. There will be a Hands On activity after the meeting.

March.....Ernie Conover will demonstrate spindle turning. This will be an all day session. He will be making many spindle turned projects.

April.....Tim Niewiadomski will demonstrate the making of pepper mills.

May.....Tool making session.

June.....Visit to Doll Lumber Co.

July.....Annual Club Tool Auction at the Y Noah pavilion.

August.....Mirka Corp Rep. will demonstrate sanding techniques on woodturning.

Sept.....TBA

Oct.....Christmas Ornament Decorations.

Nov.....TBA

Dec.....Christmas Dinner.

## BWWT OFFICERS FOR 2011



**President** Tom Johnson  
330-499-4990  
Thomas\_johnson@sbcglobal.net

**Vice President** Bob Scharl  
330-497-2682  
bse2eit@yahoo.com



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



**Treasurer**  
Bill Seabolt  
330-517-7070  
lazybolt@GMAIL.com



**Librarian** Don Karr  
216-591-1853  
Don\_Karr@yahoo.com



**Librarian** Marty Chapman  
330-868-6400  
lawmart@aol.com



**Newsletter Editor**  
David Floyd  
330-821-9919  
dfloyd@neo.rr.com



**Web Master** John Adams  
440-838-1122  
JADAMS@NACS.NET



**Asst. Web Master**  
Mark Rinehart  
330-966-5750  
mrinehart1008@att.net



**Membership Admin.**  
Phil Brower  
330-688-7244  
fbtoad@aol.com