



Contains May 2011 Minutes

June 2011



Tool Making Demo

Hollowing Tools by Hoby Horn and Tom Nellis.

Types of Tools and Handles by Ben Fix.

Tool Grinding by Jerry Schaible

Hoby presented his goose neck hollowing tool that he uses to make vases and hollow vessels. He indicated that some of the gooseneck tools are not bent correctly and it provides too much torque on the handle for an individual to hold it with ease. He stated that the tool tip had to be in the same plane or horizontal location as the shaft of the tool steel as it enters the wood handle.

To help hold the cutting tip in position, he has welded a stabilizer bar onto the tool shaft. This bar is welded on a 40 degree angle from the shaft. He indicated that this will provide a tremendous amount of stability to hold the cutting tip steady while cutting.

Hoby used 5/8" round bar stock of cold rolled steel. The length of bar stock was approximately 18 inches long. Hoby had previously drilled a hole into the end of the bar stock that was large enough to hold 1/4" tool steel. Tom Nellis heated the bar stock to a straw color with an acetylene torch. The purpose of the heating was to soften the metal structure and allow for easy bending of the goose neck profile to the desired shape. Once the bar stock was of the appropriate color, Hoby placed the round bar in between two pipe nipples so that he could get some leverage in the bending process. He also used a 5 inch pipe nipple to hold the bar stock when bending the finished profiles. When the tool had been shaped appropriately, Tom then welded on the 40 degree stabilizing bar and a nut for holding a threaded rod.

This threaded rod was bent to a 90 degree angle and was the foundation for holding a laser pen. This pen was to be set to the proper distance to insure a 1/4" wall thickness. The procedure was to continue turning away the wall of the vase until the laser light disappeared over the exterior edge of the vase. Basically when the light disappears, the wall is thin enough. Hoby completed 10 goose neck tools for the members that ordered them. Hoby instructed the membership that they could grind a round nose tool tip from high speed steel and use it for the following procedure. This tool tip could be mounted in the previously drilled hole and set in place with either epoxy or CA glue. When the tip is ground to short over a long turning usage, one merely heats toe tool tip and the glue melts and the tip is removed and a new one inserted glued in position as before.



Ben Fix described various turning tools and grinding profiles that he has found useful in his woodturning experiences. Ben also indicated that one could

make these tools for a very cheap cost as compared to purchasing them at the local hardware store. He stated that a Sorby chatter tool could be purchased from Hartville Hardware for around \$45 and could be made from metal stock for around \$8 or so. Other tool tips, like a ball end mill, could be purchased from local tool and die supply houses for around \$12. Ben also went on to describe the 3 Point Tool, which can be used for making very fine lines or deeper indentations in a spindle piece. Another tool that Ben described was the Dave Hout 1/4" square gouge. This had a small round groove cut into the end and then the exterior of the tip was ground round like the spindle gouges. This was used to lay flat on the side and cut very thin lines into a spindle or used for cutting the nub away from a bowl or similar vessel near the tailstock ball bearing center, cutting very tight locations. Approximately 10 pieces had been ground and made available to the members.

Ben also went on to describe the process of making handles for the tools that he described. He indicated that you need to have a wood blank of 1 1/2" or 1 3/4 inch square by at least 10 inches long. Some prefer a longer handle on their tools for greater stability. Ben indicated that you would hold one end of the handle blank in the scroll chuck and then drill the appropriate hole in the tailstock end. For example, with the 1/4" square tool steel, you would need to drill a 5/16th hole.

This would be done to allow room for the square corners to fit into the handle with a slight wedge shape. With the proper sized hole drilled into the ferrule end, one can then use a cone shaped ball bearing tailstock to center up the tool handle. The next step would be to use the ferrule as a guide and place a mark on the end of the tool handle where the length of the ferrule can be identified. Now cut a tenon that will fit the interior of the ferrule with some resistance. After the ferrule has been placed in position, one can secure the ferrule by placing a dent into the ferrule with a nail set or one can use thin CA glue and soak the area between the ferrule and the tenon. The ferrule can be made from copper or brass. We used $\frac{3}{4}$ " copper pipe to cut the ferrules. A pipe connector can also be used and then cut in half for proper sizing. Copper and brass can be shaped with high speed steel tools.

After the ferrule has been placed in position, then turn down the wood blank to the ferrule diameter for a smooth transition. It should be noted that the tool handle should be shaped to a proper diameter to fit the users' hand. Different diameters and profiles are desired by different turners.



Jerry described the use of the bedan , round nosed scraper and the chisel tools. The bedan is a tool that has a square nosed flat profile and then ground back on the bottom to around 60 degrees. The more blunt the grind the more conservative will be the tool. If one desires to be more aggressive in the cut, then one can grind the profile back to around 50 degrees or more. This tool is very effective for cutting end grain, such as the straight cuts on a vase or the hollowing of the interior of a Christmas ornament. For some individuals the rounding off of the bottom left edge or corner might be necessary to provide clearance in the interior of the Christmas ornaments. This will allow the tool to do the cutting without rubbing the interior. The round nosed scraper is used to smooth out all the rough cuts of the bedan on the interior walls. Here one merely puts the tool deep into the vessel or ornament and makes a sweeping pull cut along the wall and it removes the rough interior left by the previous tools. The chisel

tool is ground with a point that is mid-way between each side of the $\frac{1}{4}$ " square stock. The square front edge is ground to a very sharp profile. This tool is used as a scraper to put a deep recess between two beads on a spindle turning. This cut is difficult to make with a spindle gouge and get a nice sharp profile. The chisel tool is set into the narrow space between the two beads and pushed slightly depending on the profile that is desired. The V-cut is made by using a scraping technique. All scraping tools described here are held on the tool rest with a 10 degree downhill approach or presentation to the wood. This is done so that if there is a catch, there will be a sweeping movement away from the wood fibers and profiles.

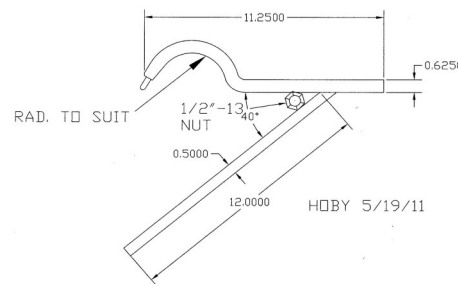
Respectfully submitted,
Jerry Schaible, Sec.



Hoby and Tom hard at work.



After a **HOT** afternoon's work. Great job and thank you Tom and Hoby.



Plans for Hoby's Style of gooseneck hollowing tool.

BUCKEYE WOODWORKERS AND WOODTURNERS May 21, 2011

The regular meeting of BWWT was held on May 21, 2011 at Camp Y Noah. There were approximately 53 members present with one guest. Vice Pres. Bob Scharl conducted the meeting. He welcomed everyone to the meeting.

Bill Noce identified that there will be an AAW raffle for a Powermatic lathe. This will also have colorful decals painted on it by Ben Pho from Chicago. Members are to buy their tickets from him. A photo of the lathe was presented in the meeting.

Rick Meier, assistant librarian, stated that he had the books delivered to his house and there were 5 club members that went through our library inventory to determine how many books we currently have in our possession. He said that they have 204 hours of collective time invested in this inventory. They found duplications and odd titles in the inventory and decided to put those in the monthly raffle. He also found that there are now 24 books that are lost, due to members not bringing them back to the library in the month following when they had checked them out. The new rules for checking out books from the library will be as follows....1. In order to check out a book, DVD, or video tape, you must be a member of the club. 2. There will be a \$5 deposit on any book that is checked out. 3. There will be a \$10 deposit on DVD and videos that are checked out. 4. All deposits will be returned when the book, DVD, or video is returned to the library inventory. Rick will be responsible for keeping the records at each monthly meeting.

The Wooster Art Show is coming up during the summer of 2011. All turned items that members intend to enter into the art show

need to be turned in at the June meeting of BWWT. All turned items can be turned into George Raeder, Larry McCardel, and Bob Scharl. It was suggested by the executive committee that BWWT again make a donation of \$300 for prize money and expenses to the Wooster Art Show. Rick Meier made a motion to that effect and it was seconded by Tom Nellis. The motion passed by unanimous vote of the membership.

VP Bob Scharl brought up the subject of changing the meeting date of our regular BWWT meetings. He indicated that for the past several months we have been talking about the change and this month we were going to take a vote. He indicated that there needed to be a motion from the floor. Bob Taylor made a motion that we move our regular meeting date from the third Sat. of the month to the 2nd Sat. of the month and that we also move the starting time to 9 AM from 9:30 AM. There was discussion about the attributes of the move, such as virtually no conflicts with Camp Y Noah and their large camper numbers during several third Sat. of the month throughout the year, no conflicts with Hartville Hardware Tool Sale twice per year where BWWT gives demos, also Doll Lumber field trips. There was some discussion on the earlier start time as providing hardship to those members that live a long distance away from the meeting. There was also a discussion brought forward by Don Karr on possibly finding another meeting site. Bill Stone, former president of our club indicated that the executive committee would consider any new location but that it had to meet our criteria of free rent, free heat, free electricity, a lockable storage room for all our equipment and sufficient parking for all the cars of our members. A vote was called and there was a massive show of hands for the yea vote and only two no votes. It was mentioned that the first month that we will use the second Sat. dates would be the month of November,

due to the fact that we have monthly commitments for demos on the regularly scheduled 3rd Sat. from June through October.

Bill Stone gave a schedule of our forthcoming meetings for the rest of the year. They are as follows.....

June 18.....Doll Lumber Co. field trip. Directions are I -76 east to Rt. 44 N one mile to Rt. 5 bypass [go past Ravenna Arsenal to first stoplight] turn north at Rt. 534. go about 4 or 5 miles and look for Doll Lumber on the left or west side of the road.

July 16.....Annual BWWT club equipment and wood auction

August 20.....Mirka Sanding demo from Mirka Corp.

Sept 17Christmas ornament demonstration.

Oct 15.....Benoit Avery.....Pro demonstrator from France

Nov 12.....TBA ...second Sat. of the month on Nov. 12

Dec.....Christmas Dinner at Camp Y Noah

Bill Stone also gave a short presentation on the Camp Y Noah nature center. BWWT members were going to remodel the interior of the cabin located north of the Kastner Hall into a nature center. The drywall has been finished, the tile floor has been installed, the painting completed and all counter tops and instructional center have been installed.

Ben Fix indicated that we will be putting on a camper woodturning workshop each Wed. during the summer months for the young campers. He stated that we usually have a class of about 10 students and they turn from 6:30 to 8:30 pm. each Wed. night. We need members to sign up to help with this

project. The members will meet about 5 pm and set up the JET lathes and then have a lunch provided by the camp.

Rick Meier stated that he has a friend that needs to sell his JET lathe and other turning equipment. He will sell everything for \$300. Contact Rick if you are interested in purchasing the equipment.

George Raeder stated that he will have an Ice Cream Social at his house again on July 24 from 2 to 4 pm. He has 5 acres of fantastic gardens for members to wander through and admire. The event will be held rain or shine.

Emory Yoder was chosen to describe his spalted bowl of Beech root. It was approximately 10" in diameter and about 4 inches deep. Ed Schwiger described his rhododendron root that he had turned into an open vase.

Respectfully submitted
Jerry Schaible, Sec.

Calendar of Events

The June meeting of BWWT will be at Doll Lumber on Saturday June 18, 2011. Directions are I -76 east to Rt. 44 N one mile to Rt. 5 bypass [go past Ravenna Arsenal to first stoplight] turn north at Rt. 534. go about 4 or 5 miles and look for Doll Lumber on the left or west side of the road.

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.....Christmas Ornament Decorations

Oct.....Benoit Avery.....Pro demonstrator from France

Nov.....TBA

Dec.....Christmas Dinner.

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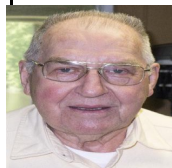
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