



Contains May 2009 Minutes

June 2009



A demonstration of Hollow Forms and Thin Finials by Hoby Horn, May 16, 2009

The project that Hoby demonstrated consisted of two parts. The first was to make a hollow vessel with a narrow opening to the interior. The second part of the demonstration was to make a very thin finial to fit into the opening of the hollow vessel.

Hoby started with a decorative wood blank to make the hollow vessel. He indicated that he uses the screw chuck that comes with the One Way scroll chuck. This consists of drilling a hole to fit the diameter of the shank of the screw chuck and then screw the blank onto the screw. He has had very good luck with the threads biting into the wood and holding the piece steady. He indicated that one can also use a Forstner bit and drill out a counter bore that will fit the scroll chuck. After the blank has been screwed onto the screw chuck he then begins to shape the exterior

of the blank. This shaping consists of cutting a dovetail recess into the bottom of the piece and have a decorative design cut into the bottom. He will also shape the exterior sides of the piece to blend into the bottom shape. He will use a pull cut during the outside shaping since one will get very few catches which might ruin the piece. A push cut will result in a higher propensity of a catch to occur. One must always be aware that a tool can skate uphill and will result in a very rough cut. He strives for a very fine cut which remove very thin shavings. This will provide less tear out and create a smooth finish which will require less sanding. He will also use a high sheer cut where he will lower the handle of the bowl gouge and created about a 45 degree angle between the cutting edge and the direction of the rotation of the bowl. This creates a very fine cutting angle with fine shavings and leaves a very smooth surface. Hoby stressed that beginning woodturners must pay attention to the tools cutting edge at all times to not get a catch. The objective here is to cut a dovetail recess in the bottom of the vessel while still on the screw chuck. Hoby has made a dovetail tool specifically designed to cut the recess into the bottom. This tool should be held at 5 to 10 degrees downward to prevent catches. The second objective here is to shape the exterior sides to blend into the bottom. This will create an exterior design that is pleasing to the artistic eye. After the exterior is shaped and sanded to the desired grit, then the piece is removed from the screw chuck and reversed on the scroll chuck.

Hoby indicated that there are several good scroll chucks out on the market. There is a One Way chuck that retails for around \$230 and a Grizzly dovetail chuck that retails for \$100. The Grizzly chuck may have a backorder wait on it at the time it is purchased. Hoby uses a dowel that he has turned a Morse Taper 2 on one end. He places the dowel into the tailstock end and brings up the tailstock so that the end of the exposed part of the dowel touches the face of the scroll chuck jaws. Then he backs off the tailstock to allow for a bottom thickness, of usually 1/4 inch. He

(Continued on page 2)

(Continued from page 1)

will now make a mark on the tailstock base and another mark on the ways of the bed so he will have perfect alignment. This gives him an exact measurement as to how deep to hollow the interior of the vessel. He will watch the alignment marks to determine how far he has to continue hollowing the bottom to get the desired wall thickness. The enclosed vessel is now placed onto scroll chuck where the dovetail recess that has been cut into the bottom of the piece. It is noted here that some reshaping and fine adjustments may have to be made in the exterior of the piece in order to get the surfaces to blend together. When the exterior shape has been satisfactorily achieved, then one can turn to hollowing out the interior of the vessel. He will drill out a center hole with a Forstner bit to a desired depth that is close to the finished wall thickness. Caution must be used here so that one does not allow the point on the Forstner bit to poke through the wall thickness. Hoby uses a 45 degree bent tool made from a soft steel shaft and a high speed steel tip that has been silver soldered in place. He uses this tool to remove as much wood as he can. At some point it becomes impractical to use this tool since the depth is beyond the safe limits of the tool. It has been noted by other woodturners that one should not extend the tool over the tool rest more than 1/4 the length of the tool. It is at this point that Hoby will switch to his laser hollowing tool. This tool consists of a cutting shaft with a high speed steel tip attached to a boring bar. He then has welded a side rigger bar that will rest on the tool rest to the left side of the boring bar. This will provide stability to the cutting tool while on the interior of the piece. On top of this tool he will have mounted a laser pointer. This pointer can be set to any wall thickness that is desired. As the HSS bit approaches the interior limits of the wall thickness, the laser light will move off the side of the piece on the exterior surface. When the light goes off the exterior edge, then the desired wall thickness has been achieved and the cutting should stop. Light cuts are taken with this tool so that fine shavings are removed. The wood chips should be removed frequently from the interior of the piece so that one does not get a catch on the inner walls of the vessel.

The second step is to create a very thin finial lid to fit into the hole of the enclosed vessel. Hoby uses a straight grained wood for the thin finial. Any curved grain will cause the finial to bend in the direction of the curved grain and create a curved finial when finished. Therefore one should not use any crotch wood or branch material to get away from possible structural problems. If there is some fancy grains used, then they should be placed at the wider bottom of the finial. Hardwoods should be used to take advantage of the strength of the structure to get fine detail in the finial. Hoby placed the wood be-

tween centers to begin the desired shape. A small dove tail should be cut into the bottom end of the finial where it fits into the hole of the enclosed vessel. This dove tail will be used to place it into the scroll chuck. The top part of the finial will have a lot of excess wood where the thin finial is supposed to be. Much of that wood can be removed at this time to make it easier to turn when placed in the chuck. After the cylinder blank has been prepared, it can now be placed into the scroll chuck. There should be a small tip turned into the top of the finial. A OneWay tailstock center with screw threads can be used here. Hoby made a small adapter of wood with a small divot or recess to accept the top of the finial piece. This is threaded onto the OneWay tailstock and then brought up to the tip of the finial. This is now tightened very lightly so as not to crush the thin finial that is about to be produced. The thin finial should be less than 3/8" in diameter or whatever will fit into the hole in the scroll chuck and into the Morse Taper #2 hole in the headstock. At this point we have the dovetail end of the finial placed into the scroll chuck and the thin top end of the finial placed into the wooden accessory on the ball bearing tailstock center. Now it is time to turn the required shape that pleases the artistic eye. Care is to be taken here so that the thin turnings do not bust or begin to crack.



Hoby uses a sharp 1/4" spindle gouge to turn the desired shapes. Hoby's thin finial was between 6" to 8" in length. When the thin finial is turned to completion, one can sand and add some finish of choice. At all times one should be careful not to use aggressive pressure for fear that the finial might break. When the finial has been shaped and finished, he reversed it into the scroll chuck hole and into the Morse Taper #2 opening. He inserted it deep enough so that the wide base of the finial is held by the chuck jaws. It is at this time that he fine tunes the fit between the finial base and the hole in the opening of the enclosed vessel. He will check often by bringing up the vessel to see if it fits properly. Use light cuts to get the desired diameter. Once he is satisfied with the fit between the two

pieces he will then create an artistic design on the bottom of the finial. This flat bottom design will be sanded and then a finish of choice will be added.

When completed, one should stand back and admire the work and listen intently for the applause of surrounding admirers.

Respectfully submitted,
Jerry Schaible, Se

**Buckeye Woodworkers
and woodturners
May 16,2009**

The regular meeting of BWWT was called to order by VP Bill Stone. He welcomed all the members to the meeting and wished them well during this spring season. There was one new member that joined our club. Bill also indicated that Jim Brown, Pres., is recuperating at home after a lengthy surgery at the Youngstown Hospital. He is going through a very difficult time and our thoughts are with him during this period.

Bill mentioned that the Warther Carving trip to their museum in Dover has been cancelled due to a lack of interest and participation of our members. The membership was encouraged to attend on their own later in the afternoon if they so chose.

The next months meeting will be at the Doll Lumber Co. in Southington, Ohio, which is NE of Ravenna. This is an annual event where they will have a field trip to the sawmill to show how logs are brought into the plant and then cut into boards. There will be a picnic following the meeting which will be sponsored by BWWT. There will be a chainsaw demonstration for our members and will be put on by the employees of Doll Lumber. We will also have a mini lathe set up for a small demo on woodturning. Members are urged to bring their own lawn chairs for seating. The directions to the sawmill are to take I - 76 to Rt. 44 north and then take the Rt. 5 bypass NE past the Ravenna Arsenal and then turn north at Rt. 534. Cross Rt. 82 / 303 intersection and go approximately 2 miles and look for the Doll Lumber Co. sign on the west side of the road. Turn into the driveway and go back to the metal buildings where the meeting will be held. The meeting will begin at 9:30 AM.

The Build a Bunk day was a success with 19 members showing up to help construct 28 bunk beds. The Y Noah administration was thrilled with the completion of all the beds.

This weekend, they had an additional 100 campers and all new bunks were used by the children. This was a gratifying event for all concerned.

Ben Fix and Bill Stone were responsible to lead a group of members to build signs for each of the cabins in the complex. These triangular signs were to hang at the entrance of each of the cabins to remind the campers of their responsibilities. This group also made some benches for the shower facilities.

In July we will have our Annual Club Auction. Members are to bring any tools or wood supplies that they do not need any longer and donate those items to the auction. The items of "high value" will be auctioned off to the highest bidder. All money collected from this auction will go into the club treasury and be used to sponsor our needs and projects for the club. This auction will be held at the pavilion across the lake from our regular meeting location on Camp Y Noah grounds.

We would like to thank the Camp YNoah staff for providing a shuttle bus to take our members from the parking area to the Kastner meeting hall. This was due to the fact that they had an additional 100 campers show up for their weekend activities and needed the additional parking. We would like to thank the camp for their generosity of providing BWWT with a meeting location and storage room for our equipment as well as parking facilities for our members. In turn for these provisions, we are pleased to help out in building the bunks, benches and signs that might be needed by the camp. We also provide instruction on woodturning for the young campers during the summer camping season. This years program will begin on June 10 and run through August 18. The first week in June will be to instruct the camp counselors and the remaining weeks will be for the campers. We will need members to volunteer for these weeks of instruction.

Glen Graham encouraged members to take the trip to the Warther Carving Museum today or at their earliest convenience. He mentioned that the trip is well worth the time spent to see the remarkable carvings that are shown. Glen also showed some of the knives that have been made for him by the Warther family. They certainly were carving show pieces.

George Raeder discussed the Wooster Art Show to be held at the Wayne Center for the Arts. He indicated that he had entry forms available with numbers for each registrant. Members are to sign up ahead of time and then bring their pieces to the Doll Lumber Co. field trip on the third Sat. of June. The categories that will be judged will be platters, vessels, vases, bowls, boxes and lidded containers, spindle turnings,

segmented turnings, sculpture and miscellaneous objects. Members may submit no more than two items per category. If the deadline cannot be met, then each member should contact George Raeder or Larry McCardel and personally hand the pieces to them by July 2, 2009. They will see to it that the pieces are taken to the Wayne Art Show. The art show will be held from July 10, to Aug. 28. Contact George Raeder for entry forms. All pieces offered for sale must have a determined value established by the maker. If projects are not for sale, they need to be designated NFS by the owner. However there needs to be a value attached for insurance purposes.

George also mentioned that there will be an Ice Cream Social held at his home on July 28 at 2 pm. He indicated that members are free to roam the grounds and view his wife's collection of 500 Hosta plants. Directions to his home will be provided at the June meeting at the sawmill.

Bill Seabolt, treasurer, mentioned that members can pick up their membership cards at the back of the room today. He also mentioned that some wood shirts are available with the BWWT logo. He stated that we plan to hold the Cindy Drozda demonstration on the third Sat. of Sept. She will provide an all day demonstration for our members on that Sat. as well as a Sunday Hands On turning session for newer members and a Monday session for more experienced woodturners. The cost for each of the hands on sessions will be \$100. If there are any open spots available, they will be offered to the North Coast membership.

Bill also mentioned that there has been some confusion on what the definitions of financial terms he uses. Specifically, unencumbered balances refers to money that is not yet allocated for any projects, but is money that is available in the club account. An encumbered balance is monies that are designated for a specific project, club activity, or undertaking by the members and has been authorized by the executive committee or membership.

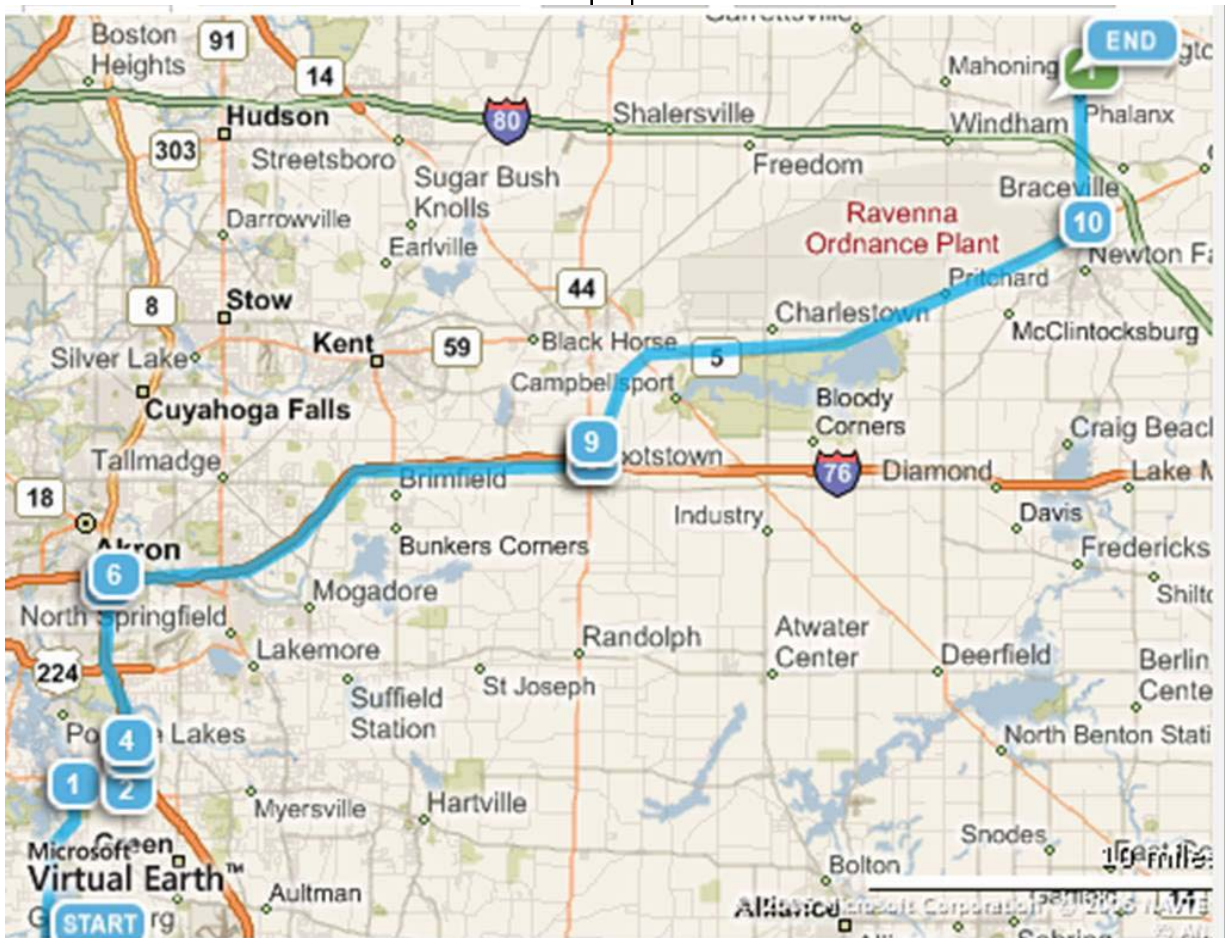
Don Karr issued a list of members that still have books outstanding from the loan library. He requested that they be turned in as soon as possible so that other members can borrow them for use in their shops.

Respectfully submitted,
Jerry Schaible, Sec.

Ice Cream Social Sun. July 28th at the Raeders'

Get directions at the June meeting!

Doll Lumber Directions from Interstate 77



Written Directions from I-77:

- 4) Basically, get on **I-77**. Go either North or South so that you can get on I-76 East.
 - 6) Merge onto **I-76** and take it **EAST** towards Youngstown.
 - 7) Take exit **38B RIGHT** towards **Ravenna**.
 - 8) Merge onto **SR-5 North**
 - 9) Bear **Right** (north) onto **Oh-44 / Oh-5**
 - 10) Turn **LEFT** (north) onto **SR-534 / Miller Ave**
- END) **Arrive** at Doll Lumber 1363 State Route 534, Southington, OH. 44470.

Calendar of Events

PLEASE NOTE THE MEETING LOCATION for June, a map and directions are printed on page 5.

The June meeting will be at *Doll Lumber Company* on Saturday the 20th at 9:30 am

There will be a Chain Saw demonstration put on by employees of Doll Lumber Co. as well as a brief demo on bowl turning. A lunch will be provided by BWWT for which donations will be accepted.

Future demos as scheduled

July.....Annual club auction
 July 28th Ice Cream Social at the Raeders
 August.....Professional woodturner
 Sept.....Professional woodturner,
 Cindy Drozda from Colorado
 Oct. and Nov. ..To be announced
 Dec.....Annual Christmas Dinner

The Cindy Drozda demonstration will be held in Sept. 2009. There will be one day of club demonstrations by her, as well as two days of hands on activities. One of those days will be a beginner hands on while the second day will be for intermediate skill based turners. The cost will be \$100 per day for each individual. There will be no cost to members for the club demonstration on Sat. She is able to accommodate 6 to 8 members per hands on days. Members are to see Bill if they wish to participate in this activity. He is willing to take partial payment through out the year in order to pay for the \$100 tuition. Members can go to www.cindydrozda.com to see her work.

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