



Contains Jan 2008 Minutes

February 2008



Marty Chapman provided the January demo on tool making

Marty indicated that when making tools for woodturning, there were several advantages that were apparent. First it is an easy way to acquire tools in a relatively cheap manner. The HSS tool blanks used for this demo costs about \$5, plus a handle made from hardwood. You also use a very simple method of spindle turning to complete the handle. You are making a tool that you can use for a very long time and it has a personal nature to the construction in order to get the handle to fit each turners hand.

1. Marty indicated that if the tool blank is long then the handle should also be long. If the tool is stout or thick, then it should have a stout handle. Marty stated that one could use walnut, maple, poplar, or ash for the handles. The smallest billet or turning blank used for the tool handle should be 1 1/2 square by at least 12 inches in length. The largest billet or blank used could be 2 inch square by 12 inches long.

2. Find the centers on each end of the billet. This could be done by drawing lines from each opposite corner through the center. Where they meet would be the center of the billet. One could also take a pencil and protrude it beyond the middle finger and scribe a line around the sides of the billet end. Then place a dot in the center of the remaining square and you will be close to the center of the billet.

3. Place the billet between the centers of the lathe and parallel to the bed. Use a roughing gouge and round off the corner edges to make a round cylinder. Ride the bevel of the roughing gouge to get a very smooth cutting action. Place the index finger on the tool rest to use as a guide in making the cut.

4. Ferrule selection is an individual choice. Ferrules can be made out of brass, copper, or aluminum. The most common ferrule material is a simple 3/4" copper pipe connector or coupling. Brass couplings or

brass compression fittings can also be used for an upgrade in quality. Compression fittings can be threaded onto the tenon with the use of a proper sized wrench. Compression fittings will need the corners of the fitting removed by turning them off with a HSS parting tool or bedan. The purpose of the ferrule is to prevent the tenon at the end of the tool handle from splitting when driving or seating the tool blank.



5. Cut the copper coupling in half to make two round ferrules. This can be done with a hack saw, a pipe cutter, or cut through using the lathe and a proper mandrel to hold the full sized coupling. One can also use the bandsaw to cut the ferrules in half. However, one should take care to use a slanted V-block to hold the copper connector to prevent it from spinning and possibly breaking the bandsaw blade.

6. Cut a tenon on the end of the handle blank to fit the interior of the ferrule. If one uses a 3/4" copper connector or coupling, the interior dimension of the coupling is exactly 7/8". One can use a 7/8" wrench to size the tenon to fit the ferrule. Use a parting tool or bedan to cut the tenon and measure often to get the correct size. Another method of beveling the end of the tenon slightly and slip the ferrule on as far as

it will go and then twist the ferrule to create a rub mark on the tenon. The rub mark would determine the proper diameter of the tenon for the rest of the length. Align the ferrule to the end of the tenon and make a mark on the handle to determine the depth that the tenon needs to be cut. If the tenon has been cut to long, the excess can be easily removed after the ferrule has been seated by using a parting tool.

7. Coat the tenon with medium CA glue and quickly seat the ferrule into position with the factory end or uncut end of the connector placed on the tenon first. By using a hammer one can begin tapping the connector onto the tenon. A second ferrule can be used to tap it into position. This tapping technique should be done on a concrete floor or some other solid object. The CA glue will prevent the ferrule from slipping off if the tenon has been sized to small.

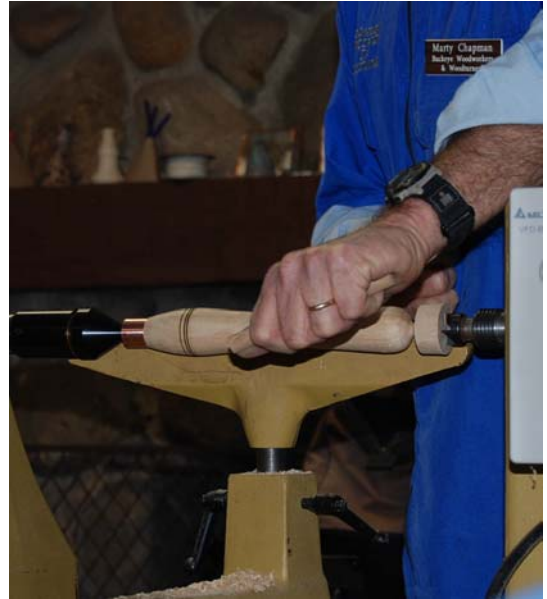
8. Remount the handle blank, with ferrule in place, back onto the lathe. There should be true alignment if one marked the four pronged drive center end correctly, so that the teeth are seated in the same grooves as before. Take a HSS parting tool and with the lathe turned as slow as it will go, scrape the cut end or center half of the connector. This edged should be rounded over and all burrs removed. Now one can take some 0000 steel wool and with the lathe turned on, buff the surface of the copper connector to get a high shine. With the ferrule in place, it will give you a reference point for the turning of the rest of the handle.

9. Turn a larger diameter bead at the top end or ferrule end of the handle. Turn the rest of the handle to desired shape and diameter to fit the individual's hand. People with larger hands may prefer a handle with a larger diameter. At this time, a finish can be added to the tool handle if so desired.



10. With the use of 1/4" X 1/4" bar stock one should use a 9/32" brad point bit to drill the hole for the tool blank to be seated correctly. A brad point bit is used to prevent the drill bit from wavering and moving off center. The brad point should fit into the center of the end of the handle blank. Drill a 2" deep hole into the end of the tenon. Use a larger lathe to drill this hole. Place the drill bit into the drill chuck in the headstock of the larger lathe. Place the tenon end of the tool handle onto the brad point. Bring up the tailstock and center it on the heel end of the tool handle. Hand hold the top end or tenon end of the tool handle on the drill bit. Turn the lathe on slowly and begin using the tailstock wheel to advance the blank onto the drill bit. Stop drilling when you have reached a depth 2 inches for an 8 inch long tool blank.

11. Remount the tool handle on the lathe and cut some fine lines around the handle if desired. ***These can also be burned in with a wire. (shown above right)*** Use a parting tool to cut down the end of the handle and make final shape determination. Cut the nub off the blank end by using a parting tool or use a bandsaw to have it removed.



12. Grind the corners off the end of the tool blank so it will have easy entry into the round hole. Insert the tool end into the tool handle and place the metal tool point onto a piece of wood laying on the concrete floor. Use a wooden mallet or hammer to hit the end of the tool handle and drive the metal tool blank into the handle. Continue pounding the end of the tool handle until the sound changes. Then you will have bottomed out the tool blank into the handle and it will have seated properly.

13. It is now time to determine the kind of tool you would like to make. There are 5 tools that one can make with this tool steel. They are a square nosed scraper, a round nosed scraper, a skew, a small detail gouge, and a bedan.

14. Mount a 1/4 inch grinding wheel on the lathe with mandrels or a shaft of a motor. True up the wheel with a wheel dresser. If a wider wheel is used, then it must be dressed so that it is 1/4" wide and rounded over. Use the tool rest of the lathe to hold the base of the tool blank. Grind a groove or flute into the end of the tool blank so that it extends approximately 2 inches back on the blank. It is not ground any further so that the remaining

metal will add to the bulk and stability of the tool. A Dremel tool could be used to grind the flute or groove if the proper accessory was used.

15. Grind a rather sharp angle at the front of the detail gouge from the cutting edge to the heel of the tool. Grind a bevel in place after the shape has been determined. To continue the detail gouge, use the side of the grinding wheel to grind away the side of the gouge. Use a pull stroke so that there will be one facet along each side of the gouge.

16. Stand back and admire your new Marty Tool.....

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

President's Notes

BWWT is off to a great start. Thanks to Marty Chapman, we had a super demo on making turning tools. This was followed up with a Turn and Learn in the afternoon where 10 of our members made a "Dave Hout Special" spindle gouge. Thanks Marty..... By the way we have ordered some HSS steel blanks for a number of folks. If there are any others who would like to purchase the blanks let our Treasurer, Lou Mineweaser, know.

At the February meeting we will be learning about Bluebirds and how to build them a house. We will begin with a short presentation on the birds by a guest speaker. Then Hoby Horn will show us some bird houses that he has made, and the process used to cut out and assemble a blue bird house.

Thanks to members Bill Stone and Bill Seabolt for stepping up and joining the Demo Committee. Also, a big thanks to Peggy Fix for developing our "New Mem-

ber" pack. I have seen the basic package and it looks great. Tom Johnson and Bill Stone will be helping Jim Brown with the donut and coffee stand. If you ever wondered who those two guys were bugging you to buy raffle tickets, they are Dennis Taylor and Jesse Woods. They are doing a bang up job.

Don't forget to bring a "Turned Piece" or two, to the February Meeting. All of the items collected will be transported to Doll Lumber for The Forestry Association Auction in March. The proceeds go to charity work. Thanks for contributing.

It's never too early to think about the Club Auction in July. Start looking around your shop for items that you no longer use and somebody else would purchase. It could be pieces of wood, tools, jigs, fixtures - most anything within reason. Remember this is our big money making event of the year.

As always, we are in need of help with setting up, cleaning up, planning and instructing so don't hesitate to step forward and offer to volunteer for a week or two or more.
Plan to participate.

Be sure to check our website, www.bwwt.org, frequently for any updates, club meetings and activities, and don't miss our gallery of projects by the members. The gallery is a great source of ideas.

Phil

Calendar of Events

The February meeting will be held at Camp Y-Noah on Saturday Feb. 16th

February Demo, Building Bird houses. Flatwork with **Hoby Horn**. *This will be of special interest to our non turning members.*

March Demo, "Not How But Why", all about tools and their usage with **George Raeder**.

April Demo, Featuring Joe Hermann, Editor of Wood Turning Design. Joe will build a wall hanging coat rack using both flat work and turning skills.

May Demo, Professional Turner and instructor **Dave Hout** will provide an all day demo. Lunch will be available at a nominal charge.

June, Field trip being planed.

July, Our annual auction. Start putting aside those unneeded items now for the auction! This is our main fund raiser for the year.



This photo and more on the next page are from the show and tell table!

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Photos from the show & tell table!



BUCKEYE WOODWORKERS
AND WOOD TURNERS
Jan. 19, 2008

The meeting of BWWT was called to order by the Pres. Phil Brower at 9:30 AM on Jan. 19, 2008. He issued a welcome to all 56 members and guests and hoped that they would enjoy the meeting. There were some new members present from Medina, Carrollton, Monroe Falls, and Akron.

The first order of business was to recognize the contributions from Hartville Hardware that were on the raffle table. It was noted that they make a significant contribution each month to our club. It was noted that there are catalogs available on the back table for members to take home and use at their convenience. Current discounts of 20% are available on all purchases from the catalog for 2008. In the following year the discount will drop to 15% with some percentages returned to the club treasury.

There is a new wood store available in Stow, for members in Northern Summit County. It has a small retail store with woodworking supplies and also some hardwoods available for purchase. They do have a woodworking shop available for a fee based usage. This could be a monthly / yearly, or by the day fee, depending on the customer needs.

Pres. Brower indicated that Ohio Forestry Annual Auction will be held in the spring. Any members willing to make some projects for the auction should have their projects brought to the Feb. meeting of BWWT. They will be transported to Doll Lumber and they will take them to the auction in Columbus. All proceeds will go to the children's charity of their choice. Boxes, bowls larger than 8 inches and bottle stoppers have sold well in the past.

Janice Petko of the Bluebird Society in Carroll county will make an appearance at the Feb. meeting. She will give us a discussion of birds in NE Ohio and specifically the bluebird habitat. The demo for Feb. will be the building a blue bird house and directed by Hoby Horn.

The Turn and Learn session scheduled for the

Jan meeting will be on making a turning tool. Enough HSS tool bars are available for the 10 members taking the class. Any of the other members of the club should see the treasurer, Lou Mineweaser, to order HSS bar stock for their own personal use. The bars are \$5 a piece, to be ordered at the meeting today and delivered at the Feb. meeting. These will be ordered from a supply house in North Carolina.

Larry McCardel and Ralph Kubal have resigned from the demo committee after several years of service to the club. Pres. Brower asked for any volunteers to see him for filling those vacancies. We currently have completed plans through the summer of 2008, but need continuous planning for the fall and winter meetings. Bill Seabolt volunteered to help with the committee and will be at the Feb. exec. committee.

Pres. Brower emphasized that we will again participate in the summer camp Turn and Learn sessions at Camp YNoah. This will be held on Wed. from 6:30 pm to 9:30 pm during the summer months for 9 weeks and be made available to a selected group of young campers. We will need about 12 volunteers for each evening to help tutor the students. This will provide the basis for one person per each lathe. Supper will be provided for all the volunteers. We have had a lot of positive feedback from the administration about how successful this program has been. Please contact Ben Fix to be included in this very valuable instructional program.

Our website, www.bwwt.org, is currently being maintained by John Adams and Mark Rinehart. Members are to take note that this website will have a calendar of events, our newsletter, as well as tips and techniques for woodturning. This is our main source of getting club information out to our members.

Appreciation awards were given to Larry McCardel and Ben Fix for their service to our club. Larry's award was given to honor his service from 2004 to 2007. He was Vice President and President for the early part of his service and then most recently for his work as Chairman of the Demonstration Committee. It was through his leadership that 10 Jet lathes were

purchased for our club as well as other items. The size of BWWT grew from 40 members to around 80 members during Larry's leadership. Ben Fix was awarded his plaque for his service to the club as Vice President and President for the years of 2006 and 2007. It was through his guidance and grant applications that numerous tools and accessories were purchased for the lathes as well as a revamping of our by-laws. With Ben's efforts, the size of our club grew to around 100 members. Our club is indebted to the service that Larry and Ben have provided over the past few years.

Treasurer, Lou Mineweaser, stated that we need to make sure that all dues are paid by the March meeting or names will be taken off the roster. They are \$20 for per year.

Don Karr, the librarian, indicated that we have 3 new books and 4 new DVD's placed in the library.

John Dilling stated that we now have over 100 members in our club and 3 new members joined today. Twelve members do not have emails and they receive a hard copy of the newsletter. He asked that if any people get a new email or change their email address, they are to let him know as soon as possible so he can make the changes.

Dave Floyd requested that he needed more photos of the demonstrations. If any member would like to take pictures and send them to him at the lowest photo setting, he would really appreciate it. He also stated that if anyone would like to write an article for the newsletter, he would make sure that it would get published.

Fatigue mats for in front of your lathe are available from vice president, Jim Brown, for \$8.

All members who brought in Show and Tell items for the table are asked to fill out the sheets indicating who turned the piece and what it is made out of.

Our display cabinet in the dining hall needs some more projects to be interchanged with the ones that are on current display. Jim Brown is responsible making the changes and so he

hopes that members will volunteer their projects after the monthly meeting.

George Raeder gave a description of the Wayne County Arts Center Woodturning Show. He stated that Northcoast woodturners and Buckeye woodturners were invited to show their projects in Wooster from June 11, to July 20, 2008. All club members were to have their projects turned in by the May meeting and then they would be delivered to the show. Five judges will review the projects and judge them accordingly. It will cost \$5 for each project entered in the contest. All money collected from the entered items, plus the donations from club treasuries will be divided up for the awards to first, second, and third place. There will be seven categories for items to be judged. They are: bowls, platters in a 1 to 8 ratio, closed vessels, boxes and lidded items, spindle work, segmented projects, and misc. items. Hoby Horn indicated that he has observed our members work over the last few months and at least half of our members could enter their projects in this show. He felt that we were selling ourselves short in holding back our entries. He felt that we were not giving ourselves credit for the work that we are capable of doing. Ben Fix indicated that for the first showing, any piece could be entered, regardless of when it was turned. George will see to it that the entry information will be published in the newsletter for all members to see. A motion was made and seconded that we donate \$500 from the club treasury to the Wayne County Art Show. It passed unanimously.

New member packets will be available at the next meeting. All new members should make sure that they pick up a packet of information to use in the coming year.

Our annual club auction will be held in July and we should be setting things aside for donating to that cause.

Respectfully submitted,
Jerry Schaible, Sec.