



Contains Sept 2007 Minutes

October 2007



Jim Burrowes & Barbara Crockett in a joint full day effort provided five, turning demonstrations at the September meeting of the Buckeye club. Jim demonstrated making a two piece hollow form, a multi axis goblet, another goblet using a screw chuck, and an offset candlestick. Barb demonstrated turning a three corner or three point bowl.

Jim Burrowes Two Piece Hollow Form

1. Select cylinder blank about 4" in diameter and 7" long.
2. Finish rounding the cylinder between centers and cut a tenon on each end to fit a scroll chuck.
3. Insert selected top end of vessel into

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Barbara Crockett

Three point bowl

1. Select a 6x6x6 inch bowl blank.
2. Offset or tilt cube from flat table position to canted appearance on one corner.
3. Cut or sand off one corner approximately to one inch in depth.
4. Cut off opposite corner to approximately 2 inches in depth.
5. Bisect each end with three vertical lines from each plane to the opposite point or corner of wood.
6. Locate centers on each triangular end and mount between centers with selected top section toward the headstock.
7. Use a bowl gouge or spindle gouge on

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scroll chuck and bring up tailstock.

4. Shape the exterior of vessel and round off of the bottom. Establish the beginning flair of the top lip. Select the widest part of the piece to make a parting cut. Cut the blank into two sections, separating the top and the bottom.

5. Remove the tailstock and remove the bottom half of the vessel and set aside. If using wet wood, then put the bottom piece in a plastic bag to prevent moisture from escaping.

6. Hollow out the top interior using a pull cut from the interior center to the outer rim.. Drill a hole completely through the top from the interior section out the top.

7. Flatten the outer rim of the glue edge for a good fit to the other half. Cut a recess into the interior edge of the rim. Leave the outer tenon a little thicker for final truing of the exterior, once the pieces are glued together. Finish sand the interior to desired quality. Remove from scroll chuck.

8. Insert the bottom half of vessel into the scroll chuck. Cut the opposite tenon to fit the top half of vessel. Continue to check for accurate fit.

9. Assemble the two halves and reshape the bottom to desired profile and proportion.

10. Remove top half and set aside. Hollow out the interior of the bottom to fit the external profile. Finish sand to desired quality.

11. Use CA glue and assemble and cement the two halves together permanently.

12. True up the center hole in the top half. This will be needed for accurate tailstock support. Bring up the tailstock and lock into position.

13. True up the glue line and reshape the exterior to final profile and develop creative bottom of vessel.

14. Complete shape of the upper lip or flair top, down to the nub. Remove tailstock and finish cutting the top nub for removal. Cut this area in a gentle manner. Re-

shape hole if necessary.

15. Sand exterior of profile including the lip or rim of the vessel.

16. Scribe three small lines to hide the glue joint. One line should be at the glue line and the other two should be equidistant.

17. Part off bottom of vessel. Use a hand saw to finish the cutting to eliminate the loss of the vessel when getting to thin.

18. Use waste block remaining in scroll chuck to make a jamb chuck for top rim of vessel. Use calipers if needed to make an accurate cut. Reverse vessel and place rim into the waste block in the scroll chuck. Bring up tailstock and use a nub plug in ball bearing center and tighten into bottom of piece. Jim used a stiff rubber tubing to hold it in position. Re-cut the bottom and sand to desired finish.

Respectfully submitted
Jerry Schaible, Sec.

Photos from the show & tell table



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side edge to cut the outside exterior of the bottom. Use a pull cut from the small diameter of the bottom to the rim.

8. Make a spigot or tenon on the bottom in order to reverse and place in the scroll chuck for interior hollowing.

Barbara used the **Vicmarc deep jaw chuck**. Shown below



9. Reverse piece and place in scroll chuck.
10. Drill a pilot hole to the depth of the interior desired.
11. Use a bowl gouge and cut from rim to the center drilled hole.
12. Slope bowl interior so that it is thicker in the bottom. This is done so that enough wood remains for giving the 3 wings of the bowl support and in reshaping once the bowl is turned around.
13. Turn the interior of the bowl until the depth of the hole is reached and the 3 wings or tops of the bowl are turned near the end limits. Finish turn or gently scrape the interior wall and finish sand.
14. Reverse bowl with the top toward the head stock. Use a cone chuck on the headstock spindle or scroll chuck for mounting the bowl. Bring up the tailstock for support. True up the exterior walls of the bowl.

15. Turn bottom so only a nub remains.

Narrow the nub near the center of the bottom to get ready to cut away. Use an old spindle gouge and grind the heel away to make a good nub removal turning tool. Use a hand carving tool to remove any small remains of the nub. Hand sand to finish quality.



Reversed bowl "see instruction 14"

Note, this is the 2nd time the bowl has swapped ends.



Examples of Barbs 3 point pieces

By Jerry Schaible, Sec.



Jim Burrowes turns an offset Goblet with a standard Screw Chuck

1. Cut blank to size....3x3x7 inches.
2. Drill hole for screw chuck in one end on center.
3. Drill second hole for screw chuck off center about 1/2 inch or as desired.
4. Mount blank into center hole and tighten against chuck face.
5. Turn goblet in top of blank to desired shape.
6. Cut first bead or plate below goblet on the stem area.
7. Sand to desired profile and finish.
8. Remove from screw chuck and re-mount in second hole for 2nd axis. This should be parallel to the first screw hole.
9. Cut a "V" groove above the base for the desired design change.
10. Remove the screw chuck and mount the scroll chuck into the headstock.
11. Remount the base of goblet into the scroll chuck. The base should now be set to match the top of the goblet rim.
12. Insert a jamb chuck or cap into the top of the goblet and bring up the tailstock for support. Turn the center bead or plate with the offset shape. Watch the shadow on the back of the piece to visualize the profile. Turn the stem to the desired thick-

ness and profile.

13. Offset the goblet top and tailstock jamb chuck in order to turn the base finished profile.

14. Use a narrow parting tool to separate the piece from the waste block.

15. Use a sanding disc to flatten the bottom of the piece to sit vertical on table.

Some examples of Jims offset pieces as well as hollow forms are shown below.



In the photo below, Jim is in the early phase of an offset goblet, this time being held in a scroll chuck. Notice the golf club shape where he makes the



transition to a new axis. You can see it on the piece on top of the headstock.



Jim Burrowes
Offset Goblet

1. Jim prefers to use the standard scroll chucks that are presently sold in most retail woodturning catalogs. He indicated that you can have 8 different axis with the use of these chucks. You can set the blank off center at each of the four jaws and then also offset at the four locations between the jaws. Make sure that the jaws bite securely into the wood to hold it accurately.

2. The goblet blank should be around 3x3x7 inches in size and as accurately cut as possible.

3. Turn off the corners at one end where the open goblet would be. Be careful with a roughing gouge since it is a large tool and can take a serious bite out of the wood if you are not careful. Leave the rest of the wood intact for support when doing the rest of the turning such as the offset beads on the stem and the base.

4. Begin hollowing the interior of the goblet with a bowl gouge or small spindle gouge.

You can use a ball mill or end mill from the metal working industry. Jim uses a 3/8 inch ball fluted mill with two flutes. He has found this to be a great advantage for smoothing

out the interior for a final finish. These can be purchased from Enco Tools for around \$5.

5. True up the top rim of the goblet. Use a spindle gouge for this and turn the tool in almost a vertical position for the best shear cut.

6. Shape the exterior of the goblet with a spindle gouge. Jim likes to use a 3/8 inch spindle gouge with a heavy shaft. He has ground the heel of the bevel back considerably so that he has a low bevel angle.

7. When the globe area has been completed and finish sanded, bring up the tailstock with a small jamb chuck on the ball bearing center. The jamb chuck is finished so that it will fit into the mouth of the goblet accurately and over the end of the ball bearing center. This is used for support when turning the rest of the goblet stem and base.

8. Shape the globe toward the stem using a spindle gouge and rub the bevel as much as possible to get a fine finish.

9. He starts with 150 grit sandpaper to smooth the exterior surface of the globe. Then he goes through the grits to a fine finish. He suggests that one sand after each axis turning, because it is next to impossible to go back and do it later.

10. Remove the tailstock and jamb chuck.

11. Now you will make the second axis turning. Loosen the chuck and offset or "kick" the blank off to one side. in the chuck. Use a pencil on the uncut portion of the stem to locate and check where the next offset plate on the stem will be located. This is done to see if the plate will fit on the remaining area of the unturned blank. You are attempting to plan the next offset bead on the stem to see if you have room. Make

adjustments until you do. Adjust the jaws to get the most dramatic bead or plate. Watch for clearance with the tool rest by hand spinning the blank.

12. Make "V" cuts with the gouge to start the new bead or plate. Then remove the corners on the blank toward the base. Be very gentle with the entry cut on the "V" cut. The appearance of the bead or plate will look somewhat like a golf club head.

13. You will now make the 3rd axis by resetting the goblet blank in the chuck to the opposite direction from the second cut. Make a "V" cut from the headstock end to prevent chip out. Take light cuts in this manner.

14. You can make several beads or plates down the goblet stem area as desired. Do not make too many or it will be too complicated. Keep a simple design for the best effect.

15. Re-center the goblet mouth and turn the base true to the top of the goblet. Bring up the tailstock and tailstock jamb chuck. Shape the base bottom and then cut off base using a parting tool. Jim used a sanding disc to flatten the bottom of the base to remove the nub. The sanding base was made from a piece of plywood and turned round with a glue block adhered to the back of the disc. This was mounted into the scroll chuck for accurate sanding.

Respectfully submitted
Jerry Schaible, Sec.



Jim Burrowes
Offset Candlestick

1. Cut blank to size.....2x2x10 inch blank
2. The 13/16 inch hole should now be drilled for the candle.
3. Find the centers on each end of blank. Draw a circle around each center.
4. Mark an offset point at the ring on each end. These marks should be opposite of each other by 180 deg. on the ring.
5. Place blank between centers using the located ring centers for axis no. 1. When placed in the lathe it will look like it will wobble and each end will run opposite of each other.
6. Cut a center waist bead, using a down hill cut.
7. Now align for axis no. 2. Use a plug to fill the candle hole on one end. Use the tailstock in the center hole in the other end.
8. Shape the bottom base near the tailstock
9. Shape the top of the candlestick near the predrilled hole.
10. Refine the edges by finish turning and sanding.

Respectfully submitted
Jerry Schaible, Sec.

PRESIDENTS SOAPBOX

October 2007

Items of Interest

We missed you at the club picnic on September 16. Everyone who attended had a very enjoyable time. The location and facilities were super and the weather was perfect. Phil Brower said that the Metro Park folks guaranteed the weather when he made the arrangements.

Mark Rinehart was terrific, providing us with musical entertainment before dinner. We even got to see Hobe Horn and Becky McCardel show off their dancing skills. The music and dancing alone were more than enough to cover the price of the free admission.

The appetizers and desserts were d-e-e-licious and the culinary skills shown by Larry McCardel and Lou Mineweaser were a sight to see. At one point I thought Larry was so happy with his effort at grilling the hotdogs that he was crying, but as it turned out, his eyes were watering from the smoke Lou was generating from grilling the hamburgers at the other grill.

I hope each of you will be able to make the next club outing. It is an opportunity to more closely interact with folks that have the same interest in woodworking. It also gives everyone a chance to meet member's spouses and significant others. All it costs is some time and of course the sharing of a favorite appetizer or dessert.

I want to extend special thanks to Phil and Joan Brower who played a significant role in pulling everything together and Mark Rinehart for agreeing to share his musical talents. I want to thank Larry, Becky, Hobe and Dee for arriving early and helping us setup and shuck the corn. I also want to thank those who brought along an appetizer

or dessert for us to enjoy. Finally, I want to thank everyone who showed up and hope each of you had a memorable time.

Larry took some pictures and we will get them out on the website at some point.

Safety, it is something you can live with.

In the next few weeks we will be cranking the heat on in our homes and shops for the first time in months. If you burn natural gas, I have an early Christmas gift suggestion. Buy a CO2 detector for yourself and your loved ones, they save lives. Also, if you have battery powered smoke detectors, a good way to ensure they are properly powered is to change out the batteries twice a year. One way we can remember to do it is to change the batteries when we change the clocks in the spring and fall to adjust for daylight savings time. *Benny*



Calendar of Events

The October meeting will be held at Camp Y-Noah on Saturday Oct. 20

October 20.....King Heiple will demonstrate Tulip Candle Holders and there will be a turn & learn after the demo.

November 17....Bill Grumbine of Kutztown PA. will be here for an all day demo. Exactly what will be demonstrated is yet to be determined.

November 18 ...an all day hands on session with **Bill Grumbine** for the lucky 10 people who sign up at a cost of \$40.00 per person. The subject of the hands on training is yet to be determined.

The December 15th meeting will feature a demonstration by one of our own members. Stay tuned for more info. On this one.

Special Note! We will be voting for new officers at the November meeting.

Hey Benny! Shall I call 911?



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**BUCKEYE WOODWORKERS
AND TURNERS
Sept. 15, 2007**

The BWWT meeting was called to order by Pres. Ben Fix. He welcomed all members in attendance. There were a total of 53 people at the regular monthly meeting. Ben asked for any visitors and new members to stand and be recognized. There was one visitor and one new member in attendance.

Ben talked about the upcoming events of the BWWT organization. He indicated that there would be our annual club picnic at Sand Run Metro Park system. The picnic will be held from 4 pm to 8:30 pm on Sunday, Sept. 16th. At our regular meeting in Oct. we will have King Heiple from the Northcoast Woodturners Club in Cleveland. He will be demonstrating how to make a tulip candle stick holder. There will also be a Turn and Learn session after the Oct. meeting. For the November meeting, we will have Bill Grumbine as our guest demonstrator. He is from Kutztown, Pa. The subject matter and turning ideas are still being worked out by our demo committee. There will be a hands-on workshop featuring Bill on Sunday, the following day. There will be an individual charge for this event. Members are to see Lou Mineweaser to sign up for this hands on activity. On Dec. 15, we will have a member demonstration. This demonstration will be finalized by the demo committee in the near future. There will also be a Turn and Learn session after this meeting.

We need members to create some turnings for the Doll Lumber contributions to the Ohio Forestry Association in mid Feb. of 2008. If you donate a piece, they will give you lumber back in return for your contributing efforts. The pieces are auctioned off and the money is donated to a charity sponsored by the Ohio Foresters.

The treasurer, Lou Mineweaser, suggested that the club dues are now being accepted for the coming 2008 year. Club shirts and patches are being made available through Don McLaughlin.

Don Karr gave a report on the library. He made a motion to purchase two new DVD's by Lyle Jamieson, for our library. Don encouraged members to use the club library and for club members to get involved in helping some of the new members understand the world of woodturning. We should not forget the help that many people gave each of us as we were expanding our woodturning horizons.

There will be an upcoming demo meeting for the next year. Let Larry, Gordon, and Hoby know what you would like to see in the way of demos. They need to have as many ideas as possible in order to make effective plans for the 2008 calendar.

Dave Floyd thanked people for all the photos for the monthly newsletter. Ben stated that more pictures will be submitted in order to get our website up to date. If anyone has any photos of club activities or articles that they would like to see written, they should contact Dave to have them entered in the newsletter.

Ben gave a contribution analysis on the Turn and Learn workshop for YNoah campers during the summer. He suggested that YNoah might help for the travel costs for the 2008 summer session.

Ben will send out Article 15 to be voted on at the Oct. meeting. He said that all members should receive a copy of this article in order to have a voting opinion at the meeting. We will also have nominations in Oct. for leadership and administrative positions in BWWT. The nomination committee will be seeking individuals to fill the offices of Vice President, Treasurer, and Secretary. If you would desire to nominate someone, please be sure that the individual is willing to take the job prior to the nomination. We will be voting at the Nov. meeting.

Respectfully submitted
Roger Walker



And a great time was had at the September picnic. I'll bet you didn't know mark was musical! Or that Hobe can dance!



Tools For Sale

Dave Fitz Patrick has sent me the following list (Thru Fred Thomas) of turning tools for sale. His health will no longer permit him to do any turning. Dave has not put a price on anything, and asks that you look at the tools and make him an offer on anything you might be interested in.

Delta Midi Lathe with manual, One Way chuck, No.1 & No.2 jaws, and 8 ½" jumbo jaws.

Robert Sorby gouges, scraper, and other chisels.

Two 8" dual shaft grinders, one bench mount and one stand mount.

One diamond dresser, and one Wolverine sharpening jig for gouges or skewers.

Box of sharpening stones

One older dual shaft grinder with a wire wheel and buffing wheel.

Craftsman 17" floor model 16 speed drill press with mortising attachment.

Forstner drill bits ¼ to 2 1/8" .

Rigid 16 gal wet or dry shop vacuum.

Craftsman 10" band saw, and an 8"disk/ 4" belt sander, both mounted on a wheeled table.

Older 16" Sprunger jig saw.

America Foundry 4" jointer with wheeled table.

Contact Dave Fitz Patrick
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