



Contains February 2018 Minutes

March, 2018

NO MEMBERS OR VISITORS SHALL ENTER OR EXIT THE CAMP VIA THE CHRISTMAN ROAD ENTRANCE. MEMBERS MUST ENTER AND EXIT FROM MT.PLEASANT ROAD.

**BUCKEYE WOODWORKERS
AND WOODTURNERS
February 10, 2018**

Anyone wishing to submit pictures for the newsletter please send them to the editor within two days of the meeting

*****Note*****

BWWT Business Meeting
Feb. 10, 2018
Camp Y Noah

*Respectfully submitted,
Kim Ambrose, Sec.*

President Dave Wells Announcements:

- Today's presenter: Dick Gerard—turning sphere's.
- New members & guests were introduced.
- Collaborative project sign up sheet was mentioned. Hoby Horn is leading the project.
- Pen learn and turn project sign up sheet was mentioned.
- Hartville Hardware Tool sale 2/16/18-2/17/18, BWWT will have 2 lathes to use. Anyone wanting to turn, can come and turn in front of a crowd.
- Up coming demonstrators:
 - March 10 Dave Hout – Platters
 - April 14 Ron Tomasch – offset bat
 - May 12 Pete Wade
 - June – Doll Lumber picnic
 - July—BWWT Auction

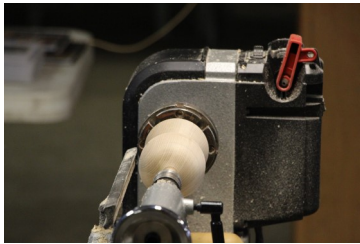
- Bob Stone received an email from Jennifer Shirley about a hands on class at OVWG Cincinnati OH. They have one spot still open to learn how to hammer copper into a lid of a turned box. The cost is \$165.00, You can register at: <http://ovwg.clubexpress.com/content.aspex>
- Bob Stone talked about the boat displays made by the group for Camp Y Noah. Cost was about \$400.00 for 8 of them. Hoby Horn and Jack Boggio designed the prototype.
- Pres. Wells read the thank you card from Gerry Schaible, thanking the BWWT group for allowing him to be the secretary for a few years.
- Mark Stransky announced the members who have not paid their membership dues, and explained today was the last day before being dropped from the roster.
- Name tag drawing winner: Dean Parham, \$25 gift card to Hartville Hardware.

**Dick Girard
Spheres
Feb. 10, 2018**

*Respectfully submitted
Kim Ambrose, Sec.*



Start with a 4 ½ long X 3 inch square blank of Hard Maple
Find the centers on the 3 X 3 ends
Mount the blank between centers.
Using a spindle roughing gouge, turn the blank round.



Use a parting tool to make tenons at the tailstock & headstock ends of the cylinder. Use calipers to measure the diameter of the cylinder.

Transfer this measure-

ment to the cylinder wall roughly centered on the blank.

Mark the center of the measurement just applied to the cylinder. Then break each half into thirds.

Turn a bead from the end measurement to the tailstock. Due the same for the headstock side.

Remove the tailstock tenon.

Add a cup chuck to the tailstock.

Remove the tenon from the headstock.

Add a cup chuck to the headstock.

Place the sphere between cups.

Mark the first position center with one line. Turn the ghost away.

Turn the sphere 90 degrees so the first line is aligned between the headstock & tailstock. Mark a new centerline. Turn the ghost away.

Turn the sphere 90 degrees so the second line is aligned between the headstock & tailstock and mark a new centerline.

These lines are your three axis. Now keep moving between axis. Three to one, One to Two, Two to Three. Turning the ghosts away. Your sphere will take shape.



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At this point, Dick realized the tailstock and the headstock were not aligned on the demo lathe.

He mounted a jig from [Chefware](#) to finish the sphere demonstration.

Lunch was called, and the hands-on class began after lunch.

AAW | AMERICAN ASSOCIATION OF WOODTURNERS

Here's an AAW article on turning spheres:

Spheres

Spheres are simple to turn and lots of fun. There are many ways to turn them. The system described here works for me, but your local mentors may have tips and tricks that work just as well. The system of cutting three grooves is one that I learned from Stuart Batty who learned it from his father, Allan Batty, who learned it from the ancient Greeks. It is a system that was used to turn cue balls from ivory. For me, it is quite simple and takes a bit of the mystery out of "chasing the illusive ghost." Spheres can be turned in all sizes and from any kind of wood you choose. The sphere in these photos is about 4" in diameter and turned from dry ambrosia maple. You may use green wood if you wish, but know that it may crack as it dries and most certainly will change shape. Begin with a piece of square stock that is slightly longer than it is square. Locate and mark the center on each end.



Mount the blank between two centers. I prefer using the OneWay safe center in the head stock end, but if you have only that standard spur drive center that came with your lathe, that may be used. For the tailstock side, use whatever live center came with your lathe.



Turn the rectangular blank down to a cylinder using a roughing gouge.



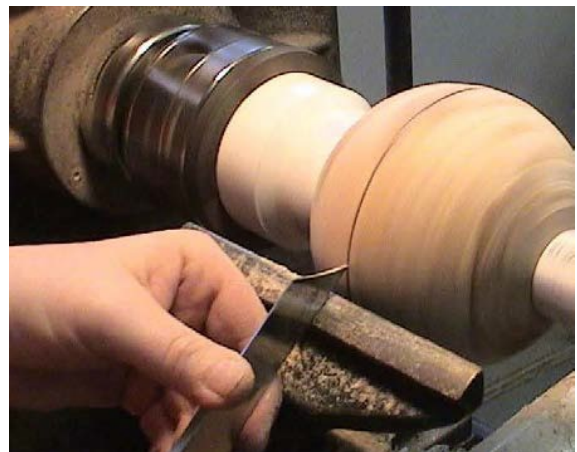
Locate the center and mark it with a pencil.



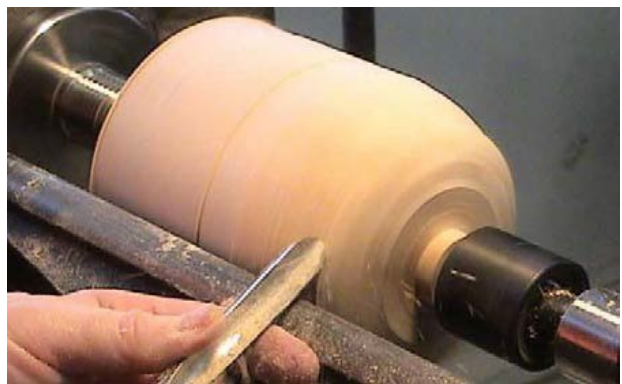
Square the ends and trim until the length and diameter are equal. The parting tool or bedan is excellent for this.



Use a parting tool to cut a slight groove on the center line.

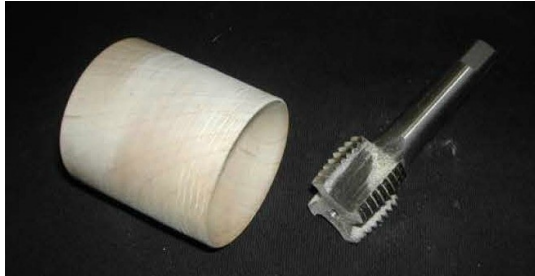


Use a detail or spindle gouge to begin rounding, starting at the corner. Be careful not to cut away the center groove or take away too much wood at the top of the curve.



To re-chuck the sphere, you will need to turn some sort of cup centers. There are several ways to do this. The cup on the headstock end can be turned on a faceplate, a screw center, or cut with a spigot or groove to mount in a chuck. It also is possible to turn a cup center with its own No. 2 Morse taper stem that will fit directly into the headstock. Al Hockenbery has instructions for this type of cup chuck in another lesson.





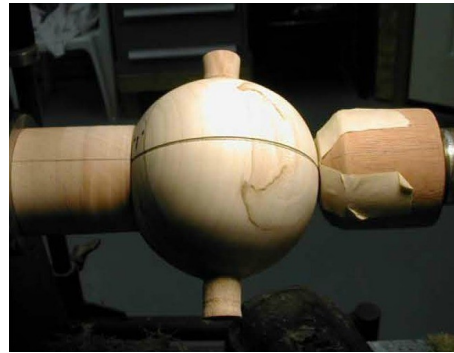
For the tailstock side, there are several options as well. If you have a live center with a removable point, you can turn a cup center with a stem that will fit into the center hole once the point is removed.

If you do not have a live center with a removable point, you will need to turn a cup on a block that is drilled or hollowed to fit over your live center.

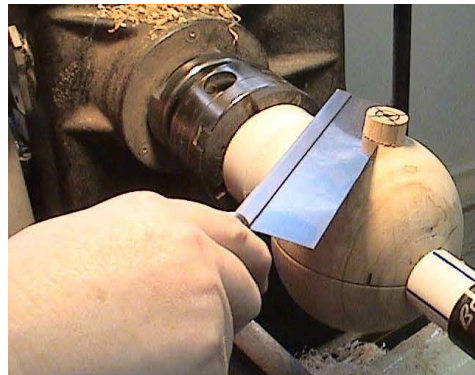
The size of the cup will depend upon the size of the sphere you wish to turn.



Re-chuck your sphere between the two cup centers. Make sure that the 1st groove is now aligned with the lathe's center axis and is parallel to the lathe bed.



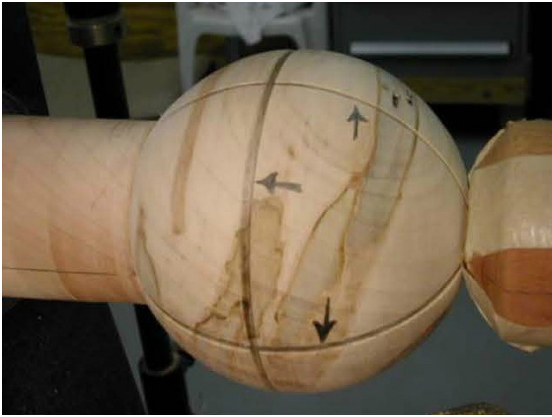
The easiest way to remove the "ears" is with a small hand saw.



Locate the center and cut a second groove perpendicular to your first groove. This second groove must be to the exact depth as the first one without cutting any deeper. Watch the shadow along the top edge of the sphere. Turn away any material that does not appear solid down to but not beyond the first two grooves.



Rotate the sphere one more time to create the third groove. Do this by turning the sphere 90° to the right and keeping the first groove on the center axis. Make sure that the third groove does not extend deeper than the previous two.



Continue to turn away excess wood until you have cut evenly and smoothly down to the three grooves without removing your original lines.

Repeat the three rotations if necessary to perfect the shape. Keep your eye on the top edge of the sphere and trim away all wood that does not appear to be solid. It may help to lay a piece of dark fabric or paper behind your lathe so you can see the shape more clearly. A good light is essential.

Finally, rotate one last time to sand through whatever grits you wish. You might want to place a piece of rubber shelf paper or some masking tape on the centers when making your finish cuts and sanding to prevent marks from the cups on your finished sphere.



~ Barbara Crockett

Here's a link to a website (*As Wood Turns*) with additional info on turning spheres:

[Turn A Perfect Wood Sphere Or Ball – No Expensive Jig](#)

Calendar of Events

PLEASE NOTE

BWWT MEETINGS ARE HELD ON THE SECOND SATURDAY OF EACH MONTH BEGINNING AT 9:00AM

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BWWT Library Online Guide brought to you by the BWWT Club Librarians, Dirk Falther and Bob Hasenyager.

The online guide lists the books and videos that are available in our club library along with descriptions on the subject matter and other useful information. Follow the link below to check it out.

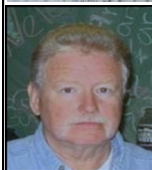
<http://uh.cx/uVS1S>

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