



Space Coast Woodturners

Newsletter of Space Coast Woodturners – August 9, 2023

Submitted by Randy Hardy

Russ Bremmer opened the August meeting of the Space Coast Woodturners at 7 PM at Melbourne Makerspace. There were 14 people at the meeting in person. 8 members joined on-line via Zoom. New visitors were JT (who turns pens) and Bill (who has a 1947 Sears & Roebuck lathe he is trying to get running).

Old Business

Honor Flight

We have enough pens for the remainder of the year. The club was going to purchase Penn State Fun Line pen kits to give to people that turn pens for the honor flight, but the error rate is 2%, so we're looking at options.

Non-profit Status

The club continues to prep for Non-profit Status

New Business

None.

Treasurer

Sally Deabenderfer reported that the club has \$4,243.89 in the treasury.



Vice President

The demonstration schedule was presented by John Conway. Tonight Rick Urban will demonstrate how to make hollow spheres

Next month will be Tips & Tricks – all members are encouraged to present things they have done to simplify their woodturning.

John is actively soliciting demo ideas from members.



Show and Tell

Paul McDaniel	7mm drill for hole in pen blank – number & depth of flutes matter Swarf clogs up hole & doesn't make a clean hole John Conway thanked Paul for giving an example of the "Tips & Tricks" scheduled for the next meeting.
Russ Bremmer	Box textured with double bevel Sorby texturing tool – Share the Wealth Medallion textured with Wagner (?) tool
Tom O'Brian	1st bowl
Rick DeTorre	Eucalyptus Screw driver – Share the Wealth

Demonstration – Rick Urban – Hollow Spheres

Rick broadcast his remote demo from northwest Georgia. He spent some time in Florida and attended the Brevard Woodturners Club in Mims.

I'll do the best I can to describe Rick's process for making hollow spheres, but a better way to replicate the spheres would be to view the recorded zoom demo. [\(A link will be shared in a members-only location once we have it\)](#). These spheres can be the basis of Christmas ornaments, they can be belted, they can be pierced, or they can stand-alone.

Rick oriented a piece of wood (~3" x ~3" x ~4") with the long dimension parallel to the ways and as a spindle so he was cutting face grain. He turned the wood to a cylinder and put tenons on each end. He used templates cut from a 1/4" piece of plywood – 1 round template for the inside of the sphere and a second template for the outside. He turned the outside into a sphere by constantly checking to see where he needed to remove wood. Once he was happy with outside of the sphere, he used a parting tool to start cutting the sphere in to 2 pieces and removed the wood from the lathe and went to the bandsaw. He finished by cutting the piece into 2 pieces along the "equator". Rick then chucked up each half sphere and hollowed it out using the inside template to check his work. He then glued the hollowed out half spheres back together and turned the outside again. He likes Titebond I, but used Superglue so he wouldn't have to wait for the glue to cure. He then removed the piece from the lathe, rotated it 90°, and carefully turned the tenons away. Some sanding completed the piece.

Templates

He used 1/4" plywood for the templates, but use whatever you have available. He started with a square piece, found the center, and mounted it on the lathe with one side pressed against some scrap with a smooth surface held in a chuck and the other side pressed against the back by the pressure of a cone center in the quill. He then used a parting tool to cut a circle sized to match the inside of the hollowed sphere. The remaining piece of the template was sanded and cut into 2 pieces. The difference between the radius of the round piece (inside template) and the radius of the hole cut in the remaining piece (outside template) is the wall thickness of the project.

TLAR – That Looks About Right

If you think you're doing something stupid, you probably are.



Raffle

Randy Hardy	Block of wood
Bob Cusumano	Pen Kit
?	Share the Wealth – Textured Box
?	Share the Wealth – Screw Driver
Randy Hardy	Bring Back – Tiki

SPACE COAST WOODTURNERS

The Chapter's Purposes, in addition to supporting the general purposes of the AMERICAN ASSOCIATION of WOODTURNERS, Inc., are to:

1. Provide a meeting place for local woodturners
2. Share ideas and techniques regarding this craft
3. Trade woods
4. Exchange ideas about tools
5. Exhibit finished projects



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