

Newsletter of Space Coast Woodturners – February 8, 2023

Submitted by Paul Jackson – Secretary .

Russ Bremmer opened the February meeting of the Space Coast Woodturners at 7 PM at Melbourne Makerspace. There were ~20 people at the meeting in person, including 2 guests: Ron Stafford and Gene Sims. 5 members joined on-line via Zoom.

Old Business

Honor Flights will resume in April and we need 30 pens for each monthly flight. There are enough for April, but more will be needed. Slimline kits are available from the club for those who wish to contribute.

The planned upgrade of the castors on the Oneway lathe has been put on hold since the Rockler castors are at their rated limit with just the weight of the lathe. Russ has identified an alternative and will test on his lathe before proceeding.

Paul Jackson confirmed that club members will receive a 10% discount for in-store purchases at Rockler in Orlando (Altamonte Springs), just identify yourself as a member. The offer does not apply to all brands and is at the discretion of the store. Paul Jackson will contact Woodcraft to see if they offer a similar arrangement.

New Business

Russ and other attendees reported that the Florida Woodturners Symposium was a great success. Sally Deabenderfer won a pair of earrings engraved with the Women in Turning (WIT) logo at the auction.

Treasurer

Sally Deabenderfer reported that the club had \$4,009 in the treasury. The only upcoming expense is for the lathe castors.

Vice President

The demonstration schedule was presented by John Conway. Tonight Terry Justice will demonstrate indexing and spiraling techniques. Next month Paul McDaniel will show how he makes rings from various materials. In April Russ will present bowl turning basics.

John is actively soliciting demo ideas from members.

There is no workshop this month, but a pen making class is tentatively scheduled for March.

Show and Tell

Paul Jackson	Indexing disc. Melamine on plywood.
John Conway	Walnut bowls
Bill Lutian	Several slimline pens, donated for Honor Flight
Dave Lax	Walnut bowl
	Lidded box, apple wood cutoffs cast in resin
Terry Justice	8-Ball flagpole topper, gloss black enamel
Russ Bremer	Tri-corner bowl from a cube
	(Share The Wealth) Salt and Pepper shakers, black palm and maple
	(Bring Back) Egg kaleidoscope, bocote

Auction

At auction, Bill Lutian won the bid for a piece of mahogany, and Nelson Palmer won a piece of walnut. The club raised \$21.

Demonstration – Terry Justice – Indexing and Spiraling

Terry began by describing his interest in embellishing his turnings while maintaining a focus on functional pieces over “art” pieces. He showed some of the indexing wheels he uses, typically with 72 holes. Some are commercially made, but he prefers his own homemade aluminum ones. For custom layouts, Terry suggested blackcatsystems.com (get the custom Graph Paper Maker and use Polar Graph.) The marking is done in reference to a table that mounts in the tool rest banjo. The table is kept flat for straight flutes or can be angled for flutes that spiral around the workpiece. The marking is done with a pencil mounted in a block. The table height is adjusted so the pencil is centered on the workpiece.

Terry showed some examples of items he has created with this technique. These included a goblet with spiral piercing cuts, a vase with shallow spiral flutes, a bowl with offset radials in two directions to form a diamond pattern, and a bowl with offset radial flutes on the bottom.

The sample workpiece was a sphere on a short pedestal. Terry set the marking table at an angle and adjusted the height so the pencil marked the center of the sphere in both directions. He determined start and stop points for the flutes and marked the pencil block positions on the table with masking tape. He then drew the centerline of the flute, keeping the pencil perpendicular to the lathe axis. The workpiece was then rotated using the indexing wheel, e.g., 6 holes on a 72 hole wheel for 12 flutes. The next flute was marked and the process repeated for the remaining flutes. The pencil marking will give a visual reference so you can judge appropriate spacing, and also help catch any indexing errors before cutting.

Cutting is done with a rotary tool mounted in a block with the cutter center at the same height as the pencil. Terry showed a pneumatic die grinder in a block, but said he had issues with controlling the speed and consequent burning and inconsistent results. His go-to tool is a small trim router with an aftermarket speed control. Router bits or Foredom carving burrs can be used, depending on the desired shape of the flute. The depth of cut is managed by “feel”. Terry noted that minor differences are usually not noticeable and it hasn't been a factor in his practice. Lowering the cutter speed helps prevent burning.

Raffle

Terry Justice	Block of Cherry
Frank Worrall	Block of Cherry
Gene Sims	Pen Kit
Rob Lanier	Pen Kit
Russ Bolton	Mahogany block
Rob Lanier	Cherry block
Bob Cusumano	Share the Wealth – Salt and Pepper shakers
Bill Lutian	Bring Back – Egg Kaleidoscope

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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