J. Paul Fennell

Rotation 1 - Creating Hollow Forms: Tools and Techniques
This rotation will show how to create elegant hollow forms, with an emphasis on developing a sense of how subtle changes in a vessel’s line, shape and proportion can dramatically change its appearance. Exploring the hollowing process: (1) using a fiber optic light system to gauge wall thickness, (2) turning in reverse to minimize body fatigue and stress, and (3) looking at simple solutions for finishing the bottom of the piece.

Rotation 2 – Home-made Tools and How To Use Them
This rotation will show how to make and use the following:
- A special handle for hollowing tools
- Calipers for measuring wall thickness
- Sizing the tool to fit the vessel:
  - Boring bars for hollowing
  - An inexpensive hook tool from an Allen Wrench
- Innovative texturing methods, using a Dremel Engraver and special home-made fine-line scrapers
- Sizing the tool to fit the vessel

Rotation 3 – Design and Layout Schemes
- Indexing a grid pattern on a 3-dimensional surface as a starting point.
- Creating spirals, basket weaves, diamonds and other geometric patterns from a grid.
- Incorporating patterns from nature
- Creative indexing with curved platforms
- Pattern transfers with friskets.

Rotation 4 – Embellishing Techniques – A Toolbox of Ideas
- Developing skills in piercing, carving & texturing. A description & use of tools needed.
- Creating V-shaped fissure patterns
- Creating patterns in relief using depth drills
- Creating a specific wall thickness using depth drills and fiber optics.
- Developing a personal vocabulary.
Dennis Paullus

Rotation 1 (Friday) - Acorn Boxes

I will show how to make a unique friction fit box of contrasting woods with a classic acorn shape. The box has a tight fit that will only open when you want it to. There are turned elements and carved elements that give the box a more organic look. I will demonstrate simple rotary carving techniques with a minimum of carving tools that anyone can duplicate.

Rotation 1 (Saturday) – Secret Boxes

This demonstration is about sculptural vessel boxes with hidden openings. I will show how to turn an end grain hollow vessel box. I will thread the opening and reverse turn the piece to finish the top. I will show hand chasing techniques, I will also show how to create threaded inserts and threaded lids for these vessel boxes with a home made threading jig. The goal of this demonstration is demystify the process of threading wood.

Ashley Harwood

Rotation 2 - Push-Cut Bowl Turning

For this demonstration, I will turn a green, thin-walled, tall shaped bowl using the Push-Cut method. The goal of using a push-cut around the outside of a bowl is to create a pleasing curve with one pass from the bottom to the top of the bowl, leaving a finish that is ready for 180 grit sandpaper straight off the tool. I will talk about all of the fundamentals that we, as woodturners, must address (but often forget) before putting the tool into the wood in order to achieve a consistently better cut. This includes sharpening, and I will demonstrate free-hand sharpening of a bowl gouge using a platform on a bench grinder. I talk about the different tools I use and why I prefer certain flute shapes for certain jobs. I will show how to mount the bowl onto a jam chuck in order to reverse-turn the bottom.

Rotation 3 - Rim and Foot Design on a Bowl

For this demonstration, I will begin with a short slide show featuring examples of different designs that can be executed completely on the lathe. I will turn the outside of a bowl using the Push-Cut method. I will show various design elements that can be added to the rim and/or foot of a bowl on the lathe. I will use a bowl gouge, vortex tool, and negative rake scrapers to add details to the bowl and will demonstrate sharpening of all of these tools. I will talk about design aesthetics, e.g., bowl shape and curve, proportion of the foot, creating rim and foot designs that work together. I will briefly address how to sand the bowl without dulling sharp details.

Rotation 4 - Fine Spindle Turning

For this demonstration, I will show how I turn and assemble a sea urchin ornament with a fine ebony spindle. I begin by demonstrating all of the fundamental cuts of spindle turning on a larger piece of wood. I break down the actions of each hand and the way that my tool cuts in order to achieve a finish ready for 180 grit straight off of the tool. Next, I turn a fine ebony spindle using a half inch bowl gouge, a ¼ inch detail gouge, and a vortex tool.
This session will study wood and its unique characteristics as related to the turned. It will cover cell structures and their orientation in the log and how it relates to wood movement, shrinkage and cracking. It will include spalting, insect damage, crotch figure, burls, curl, etc. Emphasis will be on using these features as decorative elements on the vessel forms.

**Rotation 2 – Vessel orientation**

How to orient a vessel within a log and visualize its grain pattern is the emphasis of this session. Open and closed forms will be discussed with a handout available to the members.

**Rotation 3 – Turning a Winged Form**

This demo will show images of the turning sequence in creating a winged form along with some examples. A turning demonstration will be done to show how the winged form can be turned from a small crotch.

**Rotation 4 – Another Winged Form**

There is another way to turn a winged form using a whole log. This demonstration will show how.
Nick Cook

**Rotation 1 – Light Up Your Life with Turned Table Lamps**
See how I combine spindle and faceplate techniques and include round joinery and boring procedures to design and turn a table lamp. I will show you how to assemble and add the electrical components to light it up.

**Rotation 2 – Production Turning for Sales**
This session will focus on a wide range of quick, enjoyable and very practical things you can go home and make yourself. Nick will demonstrate everything that goes into making the production pieces that have made him a highly successful commercial turner from tool selection and sharpening to specific turning techniques. He will show you how to make bottle stoppers, baby rattles, honey dippers, tea lights, coffee scoops, Christmas tree ornaments and boxes.

**Rotation 3 – Turning Pepper Mills and Salt Shakers**
This session will show you how to design and create a pepper mill. We will look at stock selection and glue-up for laminated mills. We will also show you the proper sequence for drilling the blank and how to chuck the blank for turning the mill. Sanding and finishing will also be discussed. We will also show a unique salt shaker you can make without any kits.

**Rotation 4 – Dynamic Plates and Platters**
This class will look at the selection of materials for turning plates and platters. We will discuss grain orientation and how to get the most out of a blank. We will look at chucking techniques and preparation of stock for turning. We will discuss the deep fluted bowl gouge, bevel angles, sharpening and cutting techniques. We will design and turn a variety of pieces to demonstrate these techniques along with sanding and finishing possibilities. We will also texture and color the rim of a platter.