2019 SEMINAR SCHEDULE

*All NEW TRACEY CHEUVront - Power Carving
- Getting Started
- Scrappy Spoons
- Bowls & Trays

**Ron Herman** - Woodworking
- Understanding Wood (Paid Seminar)
- *NEW* Veneering (Paid Seminar)
- Fun with Wood
- Joinery For The Cabinetmaker
- Sharpening

**Roland Johnson** - Woodworking
- *NEW* Restoring Old Woodworking Equipment
- *NEW* With The Grain
- *NEW* Brush Your Way To A Wicked Good Finish

**Jim Heavey** - Woodworking
- *NEW* Easy Steps To Become A Stain & Dye Pro
- *NEW* Choosing The Right Finish
- Spray Finishing

**Bradley McCalister** - Woodturning
- *NEW* Small Hollow Forms With Hand Held Tools
- *NEW* Creating Hybrid Turning Blanks. Cast With Resin & Wood
- *NEW* Coloring Wood. Dyes, Resins, Paints, Patinas, Airbrushing
- *NEW* Introduction To Woodturning (Paid Seminar)
- *NEW* The Versatile Gouge, Bowl, Roughing, Spindle
- Guest Regional Demonstration
- *NEW* Sharpening Turning Tools
- *NEW* Free Form Sculptural Turning
- Finishing Truned Wood

*All NEW Charles Bender - Woodworking
- Joinery Fundamentals - Joints Of Necessity (Paid Seminar)
- Table Saw Joinery (Paid Seminar)
- Table Saw Basics
- Ways To Taper Legs

**Digital Wood Carver** - CNC
- CNC Basics for Everyone
- Understanding the Design Software CAD/CAM Design 101
- Basic CNC Machining Fundamentals
- Understanding the Design Software CAD/CAM Design 101 (Machining Fundamentals Included)
- Advanced CNC Training (Paid Seminar)

**BARRY GROSS** - Pen Turning
- Creating Your Pen Masterpiece
- Pen Finishing Techniques
- Pen Finishing Acrylics

**Alex Snodgrass** - Bandsaw Mastery
- Bandsaw Clinic

**Pat Hennin** (MD, MA & NJ)
- Chainsaw Tuneup
- How to Cut a Dovetail Tenon with Hand Tools
- Tormek Sharpening System Tutorial

**Bill Bush** (MD, MA & NJ)
- Prepping & Finishing a Surface - The Three Phase System
TRACEY CHEUVRONT

Tracey is driven to make things that not only look and feel beautiful but work beautifully, using timeless materials that will last and provide lasting satisfaction. It's hard to find anything well made these days, and it feels good to contribute quality to the world.

GETTING STARTED

- Friday 12:30 pm; Saturday: 11:30 am; Sunday: 10:30 am

Learn tools and techniques for creating non-linear works of art from greenwood or dried lumber. A kitchen utensil, serving tray, or yard sculpture can easily be made from a fallen tree limb or scrap board. The angle grinder is the basic platform for power carving, and with a range of bit options is well matched to most interests and abilities.

SCRAPPY SPOONS

- Friday 2:30 pm; Saturday: 1:30 pm; Sunday: 12:00 pm

No longer does carving have to be laborious and time consuming -- rapidly turn a scrap board into a spoon using a variety of power carving methods. Discussion will include set up and safety considerations, selection and evaluation of stock material, and aspects of design for strength, beauty, and function.

BOWLS & TRAYS

- Friday 4:30 pm; Saturday: 3:30 pm; Sunday: 1:30 pm

See how power carving tools can quickly and efficiently transform a log or timber into a stunning centerpiece by not only hogging out waste material, but also creating contours and interesting surface textures. This step-by-step demonstration will illustrate the use, safety, and ergonomic aspects for various tools, and include an in depth discussion of the many considerations of the wood itself that go into achieving a successful project.
2019 SEMINAR SCHEDULE

RON HERMAN
Ron has done everything from pit-sawing trees to hand-building log cabins with mule teams to creating and aging historic restorations to match the existing structures, as well as building multi-million-dollar new-construction homes. He is credentialed to meet the strict standards for working on houses registered with the National Historic Trust, and has performed several period restorations.

UNDERSTANDING WOOD (PAID $50)
- Friday and Saturday: 9:00am - 12pm
Comprehensive knowledge about the structure and make-up of wood, including how to read features and defects of wood and select wood at retail outlets that will help you make better products.

VENEERING (PAID $50)
- Sunday: 10:00am - 1pm
Basic information about veneers and how to choose and apply them to your projects, whether fine cabinetry or a simple tea tray.

JOINERY FOR THE CABINETMAKER
- Friday and Saturday: 1pm
Learn about different methods of joinery and handy tools and jigs to improve your joinery skills.

FUN WITH WOOD
- Friday and Saturday: 2:30pm; Sunday: 1pm
A presentation of interesting and amusing features of wood that will also give you knowledge to help improve your projects.

SHARPENING
- Friday and Saturday: 4pm
Ron demonstrates how to quickly and efficiently sharpen most basic tools (except for hand saws) at several different budget levels.
RESTORING OLD WOODWORKING EQUIPMENT

- Friday 12:30pm; Saturday: 11:30am; Sunday: 10:30am

Restoring old equipment can be not only a great way to get into a terrific piece of equipment for a bargain price, but can also be high on the satisfaction scale. Knowing the way and being realistic about the journey are the most important aspects of any machine-restoration project. Not every piece of vintage machinery is worth putting time and effort into, there were cut-rate machinery manufacturers a century ago just as there are now, and buying an antique, obsolete orphan that wasn’t much to begin with becomes a real waste of time and money.

In this seminar we are going to learn how to find and buy old equipment and how to avoid the pitfalls of “old arn” lust. We’ll also learn how to find the information needed to rebuild and tune up an old machine. An added bonus with old tool restoration is that the knowledge gained from rebuilding the machine will make it a breeze to keep the old crock working wonderfully for at least one more generation!

WITH THE GRAIN

- Friday 2:30pm; Saturday: 1:30pm; Sunday: 12pm

Wood is comprised of cellular structures that create the wood’s appearance as well as the mechanics of wood movement. Too often we ignore or don’t understand wood movement and the results can cause catastrophic mechanical failure for joints and laminations. In this seminar we will learn how wood moves and how to anticipate that movement. We will consider where each type of grain - flat sawn, rift sawn and quarter sawn, is found in a log and how each type of wood grain moves.

Along with the mechanics of wood we will delve into the aesthetics of wood, how to make grain a design part of any project. Too often projects are put together using the first board grabbed with little consideration for grain patterns and how they affect the end product. Grain direction, type of grain, density of grain patterns (cathedrals) all work to enhance any woodworking and we will look at examples of good and bad grain usage. We will also learn a few things about buying wood and how to make sure you are getting what you want without tearing apart lumber piles. This is a fundamentally important part of our woodworking knowledge.

BRUSH YOUR WAY TO A WICKED GOOD FINISH

- Friday 4:30pm; Saturday: 3:30pm; Sunday: 1:30pm

Applying a finish is a daunting task for most woodworkers. Few Things in Woodworking are as frustrating as spending Countless hours building a piece only to have it all go wrong trying to apply a decent finish. In this seminar we are going to look at a fool-proof finishing method that combines wipe-on base coats followed up with brush applied top coat to create a beautiful, durable finish. Using a brush to apply a finish doesn’t require a lot of expensive equipment, is easy to do with the correct procedure, and can build a good protective coat in a relatively short period of time without the need for a dedicated finishing room. It’s a foolproof method for creating a wicked good finish!

ROLAND JOHNSON

To me one the real joys of woodworking is that hand tools and power tools can so effectively complement each other. There are days when my shop is a raucous cacophony of whirling cutters and singing blades and other days where hours of tranquilly reflective work create the Zen of Woodworking atmosphere that we often romanticize as the only way, and I enjoy every day.
JIM HEAVEY
Jim has been a woodworker for over 30 years and a contributing craftsman and educator for WOOD Magazine since 1997.

EASY STEPS TO BECOME A STAIN AND DYE PRO
- Friday 12:30pm; Saturday: 11:30am; Sunday: 10:30am
Sometimes it may seem like building your project was the easy part. Fears of ruining all your hard work while staining a blotch prone wood or matching an existing stained piece begin to creep in.

In this class, you’ll learn how dyes and stains work and how to prep any wood species to accept them. Let Jim show you a few simple tips and techniques that will make coloring your next project predictable and consistent.

CHOOSING THE RIGHT FINISH
- Friday 2:30pm; Saturday: 1:30pm; Sunday: 12pm
Every project needs a finish to control moisture absorption, enhance natural beauty and provide protection. Selecting the appropriate finish will go a long way in doing just that.

With so many to choose from, see how Jim makes that decision on his own projects. He will review Shellac, Lacquer, Varnish and Polyurethane amongst others.

SPRAY FINISHING
- Friday 4:30pm; Saturday: 3:30pm; Sunday: 1:30pm
As every woodworker knows, it’s the final finish that we see and feel. A poor finish greatly detracts from all the elements that went into the project. Spray finishing is the best way to provide a smooth, even finish as the size and complexity of your project grows.

Jim will show you that spraying any finish is easier than you think. He will cover the equipment and the process to guarantee great results.
2019 SEMINAR SCHEDULE

BRADLEY MCCALISTER
Bradley McCalister brings a comfortable style of education to the seminars that he has developed teaching and demonstrating as a professional woodturner.

SMALL HOLLOW FORMS WITH HAND-HELD TOOLS
- Friday: 12:30pm Sponsored by Easy Wood Tools
In this seminar, Bradley will provide the small hollow form turning techniques and methods he uses to create his unique and beautiful pieces. He will also explain and demonstrate the methods used to produce a thin wall hollow form using only hand-held hollowing tools. The demonstration will include the use of straight and curved tools of various sizes. Wood selection and design considerations will be discussed and demonstrated throughout the seminar.

CASTING HYBRID TURNING BLANKS
- Friday: 2:30pm
Hybrid turning projects are quickly becoming an integral part of modern woodturning. In this seminar, Bradley will demonstrate the fundamental steps of hybrid casting your turning blanks from a combination of resins, woods and colorants. The topics covered will include step-by-step preparation of molds for your casting, available resin options, the addition of colorants, removing air bubbles and curing. Don't miss the follow-up seminar on Saturday at 1:30, Turning Hybrid Resin and Wood Blanks. Attend both seminars to be ready to cast and turn your own fantastic hybrid pieces!

COLORING WOOD: DYES, RESINS, PAINTS, PATINAS, AIRBRUSHING
- Friday: 4:30pm
Bradley will show you how to create vividly decorated pieces in this “think outside the box”, interesting seminar. Working with colored dyes, iridescent, pearlescent and translucent paints, he will teach you how to bring vibrant, colorful life to your work. Bradley will also demonstrate how an airbrush and stencils can create interest and dimension on the wood’s surface. You will also learn one of the newest coloring techniques in woodturning, using resin gel, color tints, glitter and pearlescent powders to highlight the vertical surfaces of your work!

LEARN-TO-TURN: SPARKING YOUR WOODTURNING HOBBY
- Saturday: 8:30am - 10am Sponsored by Spiracraft Academy
Bradley McCalister will provide the fundamental woodturning techniques and methods he has developed over the years, as student, artist and teacher. Learn to quickly and efficiently start with green wood or dried turning blanks, to produce your own pieces in many shapes, sizes and finishes. The seminar covers the necessary safety precautions for woodturning, as well as an introduction to the lathe, its various components and how to select the best lathe for your needs. The selection and use of the proper tools and mounting techniques for your turning project will also be explained and demonstrated in detail. Bradley will turn a piece throughout this seminar, and send it home with a lucky attendee to complete as their own turning project. If you’re interested in getting a solid foundation to start a spark for your woodturning hobby, this is the seminar you don’t want to miss!
THE VERSATILE GOUGE

- Saturday: 11:30am

The bowl, roughing, and spindle gouges are the three quintessential tools of woodturning. Bradley will teach you which gouge to use for a safe and effective turning project. Understanding the gouge sizes and limitations of each will be explained and demonstrated in detail. Attend this seminar to learn the various profiles available for each gouge family, with an emphasis on finding the right one for you and your desired piece.

TURNING HYBRID RESIN AND WOOD BLANKS

- Saturday: 1:30pm Sponsored by Easy Wood Tools

Hybrid turning, what is it? How do you do it? In this seminar, Bradley will get you up to speed on this new and exciting field in woodturning. Turning a combination of resin and wood can present its own unique set of challenges. Learn to use the tools and techniques that allow you to create fascinating pieces quickly and efficiently. This seminar is a follow up to Casting Hybrid Turning Blanks, presented at 2:30 on Friday. Attend both seminars to be ready to cast and turn your own fantastic hybrid pieces!

GUEST REGIONAL TURNER

- Saturday: 3:30pm

This seminar premiered last year with resounding success, highlighting turners of all ages and backgrounds. At each Woodworking Show, Bradley invites a guest turner from the area to share his stage. The guest turner demonstrates a project of their choice, and learns what it’s like to be on the stage, under the lights and in front of the camera. The audience enjoys a wonderful, educational presentation, and helps another turner grow, improve and expand their skills. Several of last year’s guest demonstrators went on to gain national exposure at subsequent turning events. Who knows, maybe you’ll be up on the stage next year! Speak with Bradley at the show if you are interested in participating. You can find more information on the Guest Regional Turner program here: https://spiracraft.com/events/

SHARPENING TURNING TOOLS

- Sunday: 10:30am Sponsored by Trend Routing Technologies

Sharp tools are one of the most important aspects of woodturning, and yet one of the most often overlooked. Bradley will teach you how to sharpen and maintain your tools quickly and easily. Learn to understand the synergy between the various sharpening devices and turning tools. The seminar will cover the use of the slow speed grinder, a wet sharpening machine, diamond sharpening technology and the various jigs and setup devices available today. Join Bradley at this seminar and stay sharp!

FREE FORM SCULPTURAL TURNING

- Sunday: 12pm Sponsored by Spiracraft Academy

Bradley McCalister is highly regarded for his creatively shaped artistic pieces, and for breaking the traditional rules of woodturning. Join Bradley for this seminar, as he teaches the process that will allow you to create your own unique work. Bradley will explain how to spark your inner artist and move beyond conventional woodturning wisdom. Free Form Turning is one of the most truly liberating forms of turning. When you open your mind and let the shapes flow without restrictions, wonderful results can happen. The turning techniques and tools needed to create a free-form project safely, will be explained and demonstrated in detail in this seminar. Spend an hour with Bradley and sculpt your woodturning mind.
FINISHING Turned WOOD

- Sunday: 1:30pm

There are many ways to finish your turned wood. Some are more appropriate than others depending on the desired result. In this seminar, Bradley will discuss the many options we have for applying the best possible finish and how to make an informed decision. Topics will range from sealing, sanding and abrasive pastes at the preparation stage, to applying the chosen finish and completing the project. Bradley will emphasize the importance of following steps in the correct order, maintaining patience throughout the process, and understanding what the desired piece should look like and feel like when complete.
2019 SEMINAR SCHEDULE

JOINERY FUNDAMENTALS - JOINTS OF NECESSITY (PAID $35)
• Saturday mornings from 8:30am to 10am
When joining two (or more) boards together you have many choices. Which joint should you use? Chuck Bender teaches you about variety of basic joints, when to use them, how they work and why.

TABLE SAW JOINERY (PAID $35)
• Saturday mornings from 10:30am to 12pm
In this class you’ll learn how to make a variety of strong joints at the table saw quickly, accurately and efficiently using the standard equipment and a few shop-made jigs.

BUNDLE JOINERY FUNDAMENTALS - JOINTS OF NECESSITY & TABLE SAW JOINERY AND SAVE (YOU PAY $50)
• Saturday 8:30Am - 12pm

TABLE SAW BASICS
• Friday & Saturday 1:30pm - 2:30pm, Sunday 10:30am - 11:30am
The table saw is the center of most woodworking shops because it’s so versatile. There are a handful of things you need to know and do in order to use this vital machine safely and efficiently. Chuck Bender walks you through what a table saw is, how it works and how to safely get the most out of it.

THREE WAYS TO TAPER LEGS
• Friday & Saturday 3:30pm - 4:30pm, Sunday 1pm - 2pm
There’s nothing that’s as simple and graceful as a piece of furniture with tapered legs. The big question is, how do you make four legs with exactly the same taper? In this seminar Chuck Bender demonstrates three ways to create accurate tapered legs using common power tools you probably already have in your shop.

CHARLES BENDER
Chuck has been building furniture since he was 12. For ten years he worked at Irion Company Furniture Makers leaving as head of their chair and casework production. Since 1991, he has earned a reputation as a builder of the highest quality 18th century reproduction furniture.

Updated 12/11/2018
2019 SEMINAR SCHEDULE

DIGITAL WOOD CARVER
The Digital Wood Carver makes carving easy. With the computer controlled functions, you simply set up the design that you want carved, insert the material of your choice and the machine goes to work with accuracy and precision, bringing your creative masterpieces to life.

CNC BASICS FOR EVERYONE
- Friday 1pm; Saturday: 11am; Sunday: 11am

UNDERSTANDING THE DESIGN SOFTWARE CAD/CAM DESIGN 101
- Friday 3pm

BASIC CNC MACHINING FUNDAMENTALS
- Friday 5pm

UNDERSTANDING THE DESIGN SOFTWARE CAD/CAM DESIGN 101 (MACHINING FUNDAMENTALS INCLUDED)
- Saturday: 1pm; Sunday: 1pm

ADVANCED CNC TRAINING (PAID $50)
- Saturday 3:30pm
BARRY GROSS

Barry has demonstrated his methods on pen making at AAW symposiums and many turning clubs throughout the country. In addition, he is an instructor at Arrowmont School of Arts & Crafts and The Marc Adams School of woodworking.

CREATING YOUR PEN MASTERPIECE

- Friday: 12:30pm, Saturday: 10:30am, Sunday: 10:30am
General Lathe Discussion, Pen Kit Selection, Material Selection, Drilling Methods, Gluing, Squaring Your Pen Blank, Turning Tool Selection, Turning Your Pen Blank, Finishing Your Pen Blank, Assembling Your Pen Blank

PEN FINISHING TECHNIQUES

- Friday: 2:30am, Saturday: 12:30am, Sunday: 1:30pm
Finishing Acrylics, Application of a CA Glue Finish, Finishing Antler & Other Biologics

CLEAR CASTING KIT DEMONSTRATION

- Friday: 3:30pm, Saturday: 3:30pm
How To Cast Your Own (One-of-a-kind) Pen Blanks
ALEX SNODGRASS

Whether you have a bandsaw gathering dust in the corner of your workshop or you’re contemplating your next big tool purchase. Sitting in on the Bandsaw Clinic will be an informative hour that you just might come away from with the information to make your bandsaw or future bandsaw your favorite tool.

BANDSAW CLINIC

TOPICS COVERED
- Eliminating Drift
- Choosing The Right Blade
- Logs To Lumber
- Bandsaw Boxes
- Bowl Blanks
- 3D Cutting Boards

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PAT HENNIN  (MD, MA & NJ)

Pat and Patsy Hennin started Shelter Institute in the early 1970’s on the premise that house building and home ownership are affordable. They broke down the house building process and studied all of the various systems to create a clear picture to homeowners, would-be homeowners, builders and engineers.

CHAINSAW TUNEUP

- Friday, Saturday & Sunday 1:00 pm

Chainsaw maintenance is 90% of chainsaw use. This 45-min workshop will save you time and money in repairs. No special tools required. Learn how to make your chainsaw work for you! This talk walks you through the maintenance and use of one of the most useful tools: the chainsaw. As a lumberjack in Idaho in the late sixties, Pat learned how to completely disassemble, clean and reassemble a chainsaw at dusk in order to be most productive during the daylight hours. He has felled trees large and small, limbed them forty feet in the air and rebuilt hundreds of saws. Whether you have a chainsaw that you use once a year to clean up your yard or are thinking of buying your own woodlot to maintain, this workshop will save you hours and hundreds of dollars in repair-shop and small-engine fees.

Pat will provide a chainsaw to disassemble, clean and reassemble walking you through all of the pieces that may need to be repaired, replaced or just cleaned as well as the best ways in which to clean them. From adjusting the engine speed, sharpening the chain to what type of fuel ratio to mix; he will cover it all.

HOW TO CUT A DOVETAIL TENON WITH HAND TOOLS

- Friday 3:00 pm, Saturday 10:30 am, Sunday 10:30 am

The dovetail is an excellent joint for small and large framing alike. We particularly like using it for floor joists in timber frames as it is not a very demanding joint that is easy to produce and looks beautiful. It is simply a tenon that fits into an oversized joint and tightened with a wedge. In this presentation we will detail the steps in laying out and cutting the tenon with all hand tools including the measuring, scoring and cutting. We will show some of our favorite tools to make the process go smoothly.

TORMEK SHARPENING SYSTEM TUTORIAL

- Saturday 3:00 pm, Sunday 11:30 am

The Tormek Sharpening System is one of the best tools available for sharpening everything in your bevy of tools. We have been using the Tormek Sharpening System since it was green! We will share with you, our tips and tricks to making the machine do the work for you so you can get back to what you love most, using your tools. Whether you have had and have been using your Tormek for years, have it sitting in a box in your workshop but haven’t found the time to set it up or you are considering purchasing one; this workshop will afford you some great new ideas to help you get your edge back.
2019 SEMINAR SCHEDULE

BILL BUSH (MD, MA & NJ)

William Bush, a Master Craftsman, has been designing and building custom furnishing for the past 35 years. His creations make use of many media. These include wood, stone, glass, and metal. In sum, what his techniques accomplish is the creation of an amalgam which expresses the relationship between creativity and material.

PREPPING & FINISHING A SURFACE - THE THREE PHASE SYSTEM

- Friday: 1:30 pm
Gain a good understanding of abrasives and oil finishes that are not complicated. Learn to identify areas that will need to be addressed prior to applying a finish. Understand the reason for choosing an oil and topcoat. If you are struggling with the prepping and finishing process, this presentation is a must for you.

PREPPING & FINISHING A SURFACE - THE THREE PHASE SYSTEM

- Saturday 11:30 am & 2:30 pm
Gain a good understanding of abrasives and oil finishes that are not complicated. Learn to identify areas that will need to be addressed prior to applying a finish. Understand the reason for choosing an oil and topcoat. If you are struggling with the prepping and finishing process, this presentation is a must for you.

PREPPING & FINISHING A SURFACE - THE THREE PHASE SYSTEM

- Sunday: 1:00 pm
Gain a good understanding of abrasives and oil finishes that are not complicated. Learn to identify areas that will need to be addressed prior to applying a finish. Understand the reason for choosing an oil and topcoat. If you are struggling with the prepping and finishing process, this presentation is a must for you.