

# OREGON WOOD WORKS

## Build with a Coach A New Kind of Guild Class

### THE EDITOR'S INSIGHT *Diversity*

The Guild has many faces, many dimensions to what we do. What we do has expanded significantly since I joined over ten years ago. Back in the day, it was mostly the monthly program with a basic newsletter and a couple of art shows each year. A handful of education classes pretty much rounded out the portfolio.

Today we do all that and more; the shop, shows, scholarships, etc. I often wonder if we are spreading ourselves too thin. Every new idea, is a good idea, with good benefits to different recipients. But each new idea spreads our available human resources thinner. We could use more hands to take on some of these things, or perhaps not do as many things.

*(Continued on page 2)*

The Guild shop has been a resounding success, except for the number of members using it for their own projects. There are some open shop times when no one shows up. This is very sad.

Early this spring professional furniture maker Ken Vetterick proposed a new class to the Education committee. He would lead a class where students would bring in a project of their choice and he would assist them to complete their project. So began the "Build a Project with Ken Vetterick" class.

**THE PLAN:** The class would be made

up of four sessions with five students. Three of the sessions would be one week apart and the final session would be two

weeks later. That way there was time for the students to work on their own between classes if they needed to catch up. All the students would have their green card or close to it so they could use the shop between sessions and the

class coordinator would come in on the first night in case Ken needed some extra help. So at the end of five weeks the students would have their projects done.

*(Continued on page 6)*



L-R: Dick Harbert, Jennifer Kilcoyne, Ranjan Grover, Ken Vetterick, Ron Pihulak, Peter Godlewski

### NEXT PROGRAM — THURSDAY, SEPTEMBER 10, 2015 7:00PM

## TROPICAL SALVAGE

2233 NW York St. Portland, OR

Tropical Salvage reclaims old, quality hardwood in Indonesia and gives it new life in solid furniture. All of their furniture is handcrafted from a variety of salvaged tropical hardwoods. Every piece is unique and often composed of several species.

Take a tour with us and learn a bit about their history, woods used, and details about finely crafted furniture vs. village style furniture from owner Tim O'Brien. See article page 3.



Directions: 2233 NW York St, Portland. From either direction on 405 in NW Portland, take the US 30 exit towards St. Helens. About a mile to the first traffic light at Nicholai, turn right. Take the first right onto 22nd avenue and proceed two blocks.

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## FREE BEER, FOOD, ART—& WOOD

GARY WEEBER

It was a dark and stormy night...OK, not really. It was July 16 on a beautiful Portland summer evening. At Salvage Works in the Kenton neighborhood of Portland, a crowd was pleasantly mingling in the open-air courtyard, chatting, drinking beer or wine and sampling the free food. Others were viewing local art in a connected building and all of us were surrounded by reclaimed lumber in the warehouse. And then it just got better...so stay with me here.

Salvage Works (*not to be confused with our September program at Tropical Salvage*) is a reclaimed lumber seller that was started 5 years ago in Kenton by a dynamic brother and sister team – Preston & Rachel Browning. Within the last few months, the business moved into a 25,000 square foot facility in Kenton and now employes ten staff members. Much of the reclaimed lumber at Salvage Works comes from home and barn deconstruction. In addition, there is slab lumber of various species available for purchase.

I personally purchased reclaimed Ponderosa Pine at Salvage Works a few months ago and I am making it into a dining room table and benches for my daughter. What gives the table and benches a richness of character is the reality that this wood is in its third life, first as a tree and second as framing for a barn in Central Oregon. In addition, Salvage Works had the story of the barn and pictures that will now adorn the wall in a framed story of the table's genealogy.

So, back to July 16. After adequate time for food, refreshment, conversation, art gazing and wood ogling, Salvage Works introduced the live entertainment for the evening...The Gerle Haggard Band. A moment of contemplation easily deduces this group's reality: an all female band playing Merle Haggard songs. Seriously. And they were really good. This evening was part of Salvage Works' neighborhood art and music party, which has been on the third Thursday of each month this summer. It is already on my calendar for August!

Interested in more information on Salvage Works?

Check out their website at:

<http://www.salvageworkspdx.com>. Also, look for Salvage Works to be one of our programs for a Guild monthly meeting in 2016. It'll be a good one!



## INSIGHT CONTINUED

BOB OSWALD

What do you think? What are the top two or three things we do that are most important to you to make you want to be in the Guild?

Programs, newsletter, the shop, special interest groups, a library, easy education classes, advanced classes, famous speakers, you-build-it classes, woodworking show, community projects, managing estate sales, supporting the high schools, forums, picnics and holiday parties, odd job posting? Write to me. timbercreek08@gmail.com

## SPONSORING HS STUDENTS

GIG LEWIS

The Guild is offering scholarships to senior high school students for some of our upcoming classes. We are hoping that some of our members will contribute to a scholarship fund to support this effort. At this point the high schools being considered are Gaston Sherwood, North Salem and Stephenson (WA) Help us be sure that we are not limiting scholarships to just these schools. If you know of a high school senior that has a passion for the craft, a fair base of woodworking knowledge and would like to sponsor her or him, let us know. Additionally, we are considering woodworking students from the Oregon College of Art and Craft.

If this sounds like a good idea to you, feel free to add to the scholarship fund. If you would like to help develop this program or need more information, please contact Gig Lewis. It would be a good thing.

## WELCOME NEW MEMBERS

BOB OSWALD

Welcome to our newest members in chronological order: (list goes back to mid-July:

James Kinard, Hal Elston, Steve Moore, Tara Stutsman, Dan Crowell, Shawna Frasier, Larry Wehrli, Kimberly Feinberg, Kathleen Casey, Mark Dunning, Belinda Beresford, Russ Spencer, Kirby Juhola, Peter Hiegel, Jamie Daigle, Edward Foltyn, Mike Groh, Heidi McNamee, Dustin Bronsdon, Dean Hiser, Julie Beck, Rico Criner, Steve Gantz

We happy to have you with us and hope you'll make a regular appearance at the monthly programs. Say hello at the next meeting so we can get to know you.

## THE NEXT LEVEL, 2016

JEFF ZENS, DENNIS RODRIGUEZ

Woodworking at the Next Level is a two year “skills based” program that takes students progressively through wood and tool selection, design considerations, the use of hand tools and machines, time tested construction practices and essential techniques used to build fine furniture. Throughout the program special emphasis is given to hand tool work to develop solid, transferrable skills.

To demonstrate those skills each student will design and build a wall cabinet with drawers as a final project.

We are already planning a new series to start in January 2016. This series will run for nearly two years with monthly classes during the normal school year. Classes are limited to 9 students to ensure a lot of personalized instructor interaction.

If you are interested in a progression of skills-based classes and can dedicate time outside of class to practice then Next Level is for you. More information is on the [website](#).

Better yet! There will be an informational meeting September 24, 6 to 8 pm, at Multnomah Art Center for the upcoming the Next Level series with instructors Jeff Zens and Dennis Rodrigues who will talk about how this program came to be, the thinking behind each of the seventeen classes, and what a woodworker can expect to accomplish in the Next Level series. The information session is free, we'll provide pizza and drinks. Please register on the Guild Classes website for this meeting so we get an accurate count.

## TROPICAL SALVAGE HISTORY

JENNY JECMAN

Once upon a time...actually over 20 years ago... Tropical Salvage owner Tim O'Brien was traveling overseas extensively. During his wanderings he came across a village in Kalimantan, Indonesia and during the next several years built a business relationship with the villagers. He taught them how to pull out huge old teak logs and other exotic wood slabs that had been buried in the rivers for years and years. He and the villagers developed a business partnership, building basic furniture for high-end markets. Villagers were trained in basic skills including milling, design and construction utilizing the salvaged woods. In addition to the basic



furniture construction, the furniture pieces often display the amazing carving skills the villagers already possessed. The completed furniture is then shipped to the United States where it is dis-

## BEGINNER'S SIG

LARRY WADE

Even experts are beginners at something. The Beginners Special Interest Group (SIG) meetings are open to all members. Monthly programs are usually the third Wednesday, at the Guild shop, with networking from 6:30 - 7:00 followed by a two hour program until 9:00. Our primary goal is to help members who are new to woodworking, but our topics frequently are interesting to even experienced members.

The plan going forward is:

**Sep 16** - no meeting. Plan to attend the Open House with Michael Fortune later in the month.

**Oct 21** - *Getting Started with Chair Making* with Norm Baird, with a focus on woven seat (Shaker style, Ladder-back) chairs and carved seat (Windsor style) chairs.

**Nov 18** (tentative) - *Making a Chest of Drawers* with Ariel Enriquez, with a focus on the design and construction experience from making the 32 chests for the largest community service project the Guild ever did for Open House Ministries, with comments on making chests of drawers in general.

**Dec 16** - no meeting; plan to attend the annual Guild holiday potluck

**Jan 20** (tentative) - *Workbenches 101*. A presentation and discussion on making and buying, design considerations, how many do you need, how much do you have to spend, vises and friends - how to hold your work?

**Feb 27** (tentative) - *Saving your Lungs; Dust Management*. How to get started with limited money, limited space. Shop vacs, HEPPA filters, dust masks, filtration systems, intermediate bag systems, dust extractors, opening doors and windows. What are the real health risks?

We have a long list of other topics, so stay tuned. If you have one to suggest, send an email to [lpwade@gmail.com](mailto:lpwade@gmail.com).

tributed through Tropical Salvage.

This furniture is not intended to reflect the intricate complexities of the finest woodworking. It is designed to reflect its origin, be functional and unique. According to Tim, this relationship is about more than just producing furniture. It is intended to raise the economic level of the local community; meet sustainability goals, have a positive impact on the global ecosystem, and create skilled trades for future generations.

For our September Guild program, you will see some of the pieces being made from fabulous grained wood, slabs and often granite rock. The items are not only unique and functional but should provide a stimulus to the eye of every good woodworkers creative mind. You will not find raw or partially milled lumber here to purchase. What you will find is the amazing

products originating from this small part of Indonesia.

Don't miss this program! NW Portland, September 10



## A FASCINATING PRESENTATION OF LOW COST QUALITY

CHIP WEBSTER

Many woodworkers know about Michael Fortune's work as an internationally known designer and studio furniture maker, and as an expert in band saw work and formed wood objects. These are the subjects of two workshops and a clinic coming to our Guild in September. But did you know of

Michael's work assisting developing economies through woodworking. The following article is a reprint with permission from Fine Woodworking 2009. Please check the Guild website for more details about upcoming Michael Fortune events.



One is a prototype for a knockdown chair produced by the hundreds in an open-air, 50-man shop with minimal tooling in Belize. It leaves the factory priced at \$34. The other is built in a studio shop in Canada and sells for \$3,400. Both were designed by Michael Fortune, who spends most of the year building custom pieces in his three-man shop outside Toronto. But he sometimes can be found in developing countries designing furniture, jigs, and assembly systems to suit local conditions.

With roots in industrial design as well as studio furniture, Fortune applies the efficiencies of factory production to his custom work and brings a craftsman's resourcefulness and feel for materials to his

production pieces. When designing this production chair, Fortune's challenge was to create interesting, elegant shapes while employing right-angle joinery and surfaces straight off the machine. He made eight color-coded jigs that enable semiskilled workers to shape the parts and cut the joints accurately every time. In his custom chair, every part is curved and every surface hand-shaped. But most of the machine processes were guided by jigs—30 in all. Fortune knew that the first set of eight chairs, even at \$3,400 apiece, would lose him money; the profits will come when he reuses the same jigs to build a second set or a closely related chair.

—Jonathan Binzen

▶ **How They Did It** Turn to p. 98 to learn how Fortune worked out the details of production and made the \$34 chair possible.

▶ **Pro Portfolio** "The Clever Chair": Go to [FineWoodworking.com](http://FineWoodworking.com) to see an audio slide show and hear Fortune describe his design process.

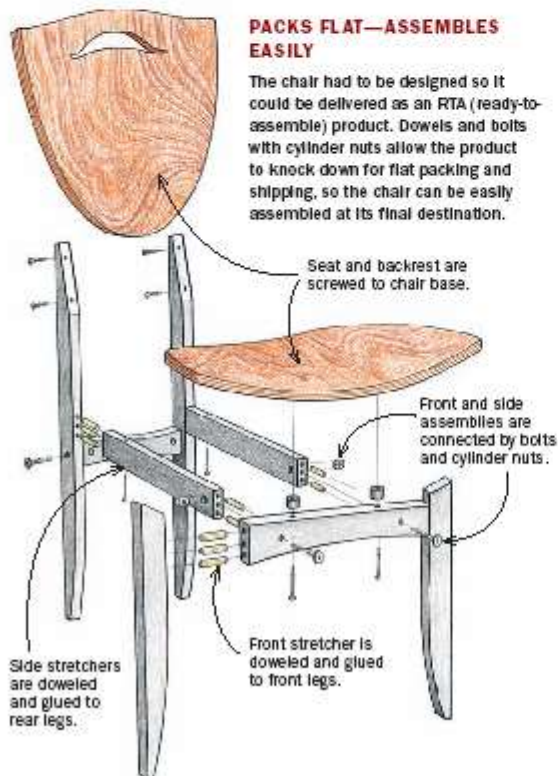
## how they did it

# High design, low price

BY ANISSA KAPSALES

**M**ichael Fortune's chairs (seen on the back cover) run the price gamut, but as the sticker price comes down the time and effort invested have to do the same. In this \$34 made-for-production chair (right), he also had to accommodate the limitations of manufacturing in a developing country.

Traveling from his studio in Canada to a community in Belize, Fortune provided on-site training, researched the materials available locally (keeping prices down and further boosting the local economy), and worked with the available machinery, which was often low-tech. The design of the chair as well as the production methods got pared down to the basics, and organization was the key to success. Fortune said he appreciated the challenges as a designer and craftsman, and most of the lessons he learned can be carried back into the one-man custom shop.



**New life for an old machine.** At the site, Fortune found a defunct overhead router being used as a storage table. Luckily, he was able to procure missing parts and rehab the machine so it could be used, with shopmade jigs, to cut the curved backrest and seat after they were laminated on a form.



**Jigs make joinery foolproof.** The ready-to-assemble joinery was done with hand drills. A shopmade jig was clamped to a bench, and the workpieces set in place and drilled. To keep things fail-safe, all the jigs for this chair were color coded and precisely labeled. Then, multiple drills were set up with the bits at set depths.



Photos: Michael Fortune; drawing: John Tesnausk

## A NEW KIND OF GUILD CLASS

DENNIS DOLPH

(Continued from page 1)

**THE REALITY:** The class filled quickly, but in real life plans change, and a student had to drop out. They were replaced the Saturday before by a member who had just joined. None of the students had their green cards so they could not use the shop except in class. While not absolute beginners, none of the students had used all of the large machines and needed help. Ken was everywhere teaching. Shop Attendant Bill Keay (who had no idea this was coming) stepped in, and with the class coordinator worked all four sessions to kept chaos to a minimum, and helped the students get their green cards

At the end of class only one student was finished. Ken offered more of his time and his shop to help the students finish.

**THE RESULT.** All of the students have their green cards. Two have signed up for unlimited shop usage. All of the projects were completed and more important they had become friends. In early August they got together for a party to celebrate the class. In the photo on the cover you can see the results.

**WHAT WE LEARNED** The class accomplished everything we wanted but needs some refinement. The Board of Directors has created a new shop position called "class assistant". The assistant is an unpaid position of volunteers who will help with classes which need more than an instructor. The next "build a project" will be longer with more planning with the student before hand. Hopefully it will be as much fun as this one. If you are interested in taking a "Build your own Project" contact [damd@xpirt.net](mailto:damd@xpirt.net)

## EMERGING PROFESSIONAL SIG

ALEXANDER ANDERSON

The Emerging Professionals Special Interest Group met last month in Alexander's shop to discuss pricing one's work. There was a presentation by Steve Peterson, from the Wildflower Company, about a job that he was looking at having some Guild members work on, and we got some great insights on marketing from him as well. Long time professional and wood curmudgeon, Craig French came out as well to talk about his business model of selling his curved molding through door distributors. Larry Wade talked about how he figures his time for a job, and the different parts that go into figuring out the true cost of making and selling a piece.

This month we are looking towards the question of *parameters and processes*. How we come up with the processes of how to build what we want to build, and deciding what it is that we build. The parameters and processes need to work within the ability of the builder and the tools and machinery that they are using. It may sound wonky, but having a process in place for how to make your product is one of the most important parts to being able to build products.

This is an open source style discussion group and many voices help to expand our knowledge of how to run our business. If you are in the midst of a start up company or been in business for decades, please come to this SIG to network with other professionals and share knowledge about running a shop. we will be meeting again at Alexander's shop this third Thursday, September 24th at 7:00 in the evening. The

## WOODWORKING FOR THE BIRDS

ED FERGUSON

Last April, the Product Build group agreed to make bird house kits for the Clackamas County Fair and Ant Farm, an international youth organization. The kits had to include a hatch for cleanout and be kid friendly to assemble. We had a goal of 200 kits, a large order...

With Julie Niemeyer's donation of two pallets of cedar cutoffs, we settled on a chickadee house that would allow us to get one kit per cutoff. The design included rabbeted sides for easy assembly and a hinged front for cleanout. Several jigs help with assembly.

Don Cline, Richard Emmel, Ed Ferguson, Ken Hall, Jim Madaras, Joe Nolte, Phil Scott, Bob Vaughn, and Gary Weeber went to work on the project. Two pallets



of wood is a lot to handle, so the project became runs of 40 kits each. At peak production, nearly every tool in the shop was running. By event time, the kits were stretch wrapped and bundled for

delivery

The payoff came on August 8 at the Ant Farm and August 22 at the Clackamas County Fair. Two hundred kids, aged 5 to 12, hammered and screwed the kits together and took them home to hang on a tree. Ken Vetterick organized the Ant Farm event and Bob Vaughn took the Clackamas County fair. Anyone would be hard pressed to say who had more fun...the kids building or the crew coaching them.

Product Build is an ongoing community project and new participants are welcome. We make a variety of products for donation or sale. All proceeds from sales go to support Guild programs. Projects are selected by the participants based on interest and experience, and the sales potential of the product. We meet in the Guild Shop on Wednesday afternoons from 1:00-5:00pm. Interested members are invited to drop in on a session. If you have any questions about the program, please contact Ed Ferguson at

[edbikes@comcast.net](mailto:edbikes@comcast.net)



address is 8900 B NE Vancouver Way Portland OR 97211. Please contact Alexander Anderson with questions, 503-593-4423, or [alexander@madronestudio.com](mailto:alexander@madronestudio.com)

## A JOB WELL DONE

JIM SPITZER

Note to David Reiter: Your brother built a very fine coffee table. I was surprised at how heavy this relatively small table was, solid fine wood (mostly walnut) of sturdy dimensions. It was my pleasure to complete this small token of his legacy to your family on behalf of the Guild. We are happy that it is now in your possession.

Congratulations to Scott on his fine work and a gracious thank you from the Guild for your family's significant contribution to the Guild in his memory.



## FREE TRAINING IN THE SHOP

BOB OSWALD

You have rare opportunities to work in the Guild shop for free, learn from talented woodworkers, and help the community. Three different venues provide a large number of time slots.

### **Community Projects**

There are several being launched, the benches listed on this page, benches for the Japanese Garden and cabinet for the Multnomah Art Center.

### **Product Build Group**

They meet weekly and build a number of different things. Most recently birdhouses for the Clackamas Fair. Other times they are building an inventory of items to sell at various venues.

### **Toy Building**

Launched earlier this year with interest in participating from several folks, I've been unable to determine when this function will meet. Toys are actually difficult to build well and are an incredible learning experience for furniture building.

In the next newsletter I'll try to get information from the relevant parties to present some kind of calendar for the next few months.

## COMMUNITY PROJECTS

BOB O'CONNOR

A community project to start this fall. The Guild will be building four classic garden benches for local charity, Albertina Kerr.

These benches will be made from local Oregon White Oak. We will use 8/4 slabs and mill and where necessary laminate the parts. Construction will be mortise and tenon.

You can gain experience with the sliding table saw, large jointer, planner, thickness sander and multi-router if you help on this project. We will also make use of pattern routing on the router table to ensure identical parts.

This is a good opportunity for new woodworkers to gain some shop experience. The only requirement will be attending a free shop orientation and safety presentation.

We will work on Friday afternoons in the shop from 1pm to about 5pm. Starting date will probably be September 18th. The first two sessions will be talking about and refining the design and construction techniques, as well as making patterns.

Bob O'Connor will be leading the project.

503-774-5123 or [bandjoconnor@comcast.net](mailto:bandjoconnor@comcast.net).



*An example of the benches we will build.*

## RAFFLE IDEAS

GARY WEEBER

### **Spicing Up the Raffle**

As you all know, our monthly RAFFLE at program meetings is designed to be a moneymaker to help supporting the Guild budget. I would be interested in hearing from any of you regarding suggestions that would make the RAFFLE even more appealing. In addition, if any of you would be interested in making items that would be donated as prize items, let me know. Just shoot me an email at [siweeb@gmail.com](mailto:siweeb@gmail.com) or call me at 503-680-3827. I know there are a lot of good ideas out there so let me hear 'em.

## ABOUT ESTATES AND SALES, AND BUCKETS

GIG LEWIS, PRESIDENT

The picnic was well attended, with a large number of spouses and friends. Conversation never lagged during the whole afternoon. Good food & desserts. While the 2x4 contest did not have a huge number of entries, we'll call it successful with several very nice entries. Hopefully we can do it again next year and get an even bigger turnout. Congratulations to Joe Sanders for the Best of Show.

The Guild held its first online auction with three machines up for sale. They came from Scott Reiter's estate and netted the Guild about \$700, from the auction and a garage sale held at the Shop the day after the auction closed. As with all new activities, we are learning some new skills and discovering better ways to work with the estates that make donations to the Guild. Tools remaining after three different garage sales were recently donated to the Goodwill organization.

Between estates and people just wanting to downsize or clean out woodshops, it seems that we are getting contacted every week about how to help with clean



out or disposition of tools and lumber. In a related event, we are actually going to have an on-site garage sale in Forest Grove in mid-September. This collection has many tools and machines of good quality and working condition. There will be a Guild only sale, probably on a Saturday, with the remaining open to the public on Sunday. We will be needing many members to help out on the sale. Details available soon.

On the subject of estate management and garage sales, the folks who have been managing it to date need more helpers soon. We would like to have representatives from a variety of geographic areas. Roger Crooks drove from North Beaverton to Molalla recently to investigate one opportunity. If someone from the Clackamas area was on the team, it would have turned Roger's three hour investment into something much more efficient. If you would like to help the Guild grow in this way please contact Pack Phillips, Roger Crooks or Gig Lewis.

I spent this last weekend at the Port Townsend School of Woodworking in Washington. Dennis Rodrigues, Michael Rothman and I took a two-day class on building a wooden bucket. It was a wonderful experience. And a bonus was meeting Dennis' new wife. He's a lucky fellow.



## ART IN THE PEARL 2015—LABOR DAY WEEKEND—HELP!

LARRY WADE

This is an annual art show over the long Labor Day weekend in the North Park blocks. A year ago the Guild had a demonstration booth there, but until a few days ago it looked like we couldn't get in. However, there was a last minute cancellation, and now we have this great opportunity exhibit again, and we need volunteers to cover the three days.

The shifts are four hours each, 10:00-2:00 pm and 2:00-6:00 pm each day, Saturday, Sunday and Monday. A nominal demonstration will be ongoing to help visitors, adults and children, make fine shavings of Aromatic Red Cedar using block planes. They will take away small sachets for home use. The real opportunity is to engage potential new members, educate them a bit about the Guild, and invite them to the Guild Open House a few weeks later.

Volunteers don't need much experience - mainly to not be shy talking to strangers, being yourself when asked questions you can't answer, and helping others make some shavings. Oh, and show up on time, be

able to stand for about four hours, and be prepared to have a really enjoyable experience.

If able or curious, email Larry Wade at [lpwade@gmail.com](mailto:lpwade@gmail.com), or call/text at 503-312-7745.

P.S. It would really help (really) if we got more women members to volunteer.

## PICNIC THANKS

GARY WEEBER

THANK YOU!!

We had a good turnout on August 13 for our SUMMER picnic/meeting and, of course, the food provided by those attending was a display of delight. Two people in particular, however, warrant a public THANK YOU! GIG LEWIS provided the ham and JOE SANDERS served up the chicken. Thanks to both of you on behalf of all those who were most happy to consume your contribution.



## 2 x 4 ENTRIES

Thank you Guild folks for your wonderful entries. A few ribbons went home, the Best of Show purple to Joe Sanders for his Pirate Birdhouse.



*Michael Rothman, Roger Crooks, Jim O'Rourke*



*Joe Sanders*



*Jim O'Rourke*



*Michael Rothman*



*Roger Crooks*



*Jim Spitzer*

## UPCOMING CLASSES

NORM BAIRD

### Woodworking at the Next Level— Information and Registration Meeting

Sep 24, 6-8, Free Mult Art Center, Dance Studio  
Class Coordinator: Rick Alexander

If you have considered stepping up your woodworking expertise through this 17 class series, this is your chance to learn more about it, and talk with Jeff Zens and Dennis Rodrigues, instructors. Pizza and drinks will be served.

### Design for Woodworkers with Michael Fortune

Sep 26-28, 9-5, \$740

Class Coordinator: Greg Kaufman

This workshop is for woodworkers who want to move beyond working from plans or copying other woodworker's designs. If you follow a series of steps then "creativity" can be added to the list of tools in your workshop.

### Wood Forming with Michael Fortune

Sep 30-Oct 2, 9-5, \$770

Class Coordinator: Greg Kaufman

The ability to bend wood to exact shapes opens up an incredible range of exciting possibilities for woodworkers. Chair parts, table aprons, cabinet doors, sports equipment, and musical instruments can be made with precisely bent curved components

### Beginning SketchUp Class with Lloyd Johnson

Oct 24, 5-9, \$60 Multnomah Art Center

Class Coordinator: Chip Webster

This class is designed for those who would like to learn to create accurate 2 or 3 dimensional woodworking models. It is intended for students with little or no - dimensional drawing or SketchUp experience, but who want to start to create 3 -dimensional models.

### Intermediate SketchUp Class with Lloyd Johnson

Oct 31, 5-9, \$60 Multnomah Art Center

Class Coordinator: Chip Webster

This class is designed for those who already have working knowledge of all drawing tools, groups and components and have created basic models, start to finish.

See the Guild website for registration and details. Contact the Class Coordinator with questions. All classes are held in the Guild Shop unless otherwise specified. 7634 SW 34th St, Portland, OR 97219

## AFFILIATE UPCOMING CLASSES

### Oregon College of Art and Craft

Build a Small Cabinet

Sep 16-Nov 18

Instructor: Sterling Collins

### Northwest Woodworking Studio

Masterworks: The Rogowski Stool

Sep 21-25

Instructor: Gary Rogowski

*The Guild of Oregon Woodworkers is a group of professional and amateur woodworkers committed to developing our craftsmanship. The Guild offers many benefits for members, including:*

- *Monthly educational programs*
- *Monthly newsletter*
- *An education program to help members develop woodworking skills*
- *Sponsor discounts*
- *Woodworking shows*
- *Network of business partners (the key to our development as members and as a Guild, providing additional learning opportunities)*
- *A woodworking shop with space to rent*
- *A network of friends*

## GUILD OF OREGON WOODWORKERS

10190 SW Washington St., Portland, OR 97225

### CLASSES, SEMINARS, DEMOS, AND SUCH

**Northwest Woodworking Studio** 503-284-1644, [www.northwestwoodworking.com](http://www.northwestwoodworking.com)

**Rockler Woodworking** 503-672-7266, [www.rockler.com](http://www.rockler.com)

**Oregon College of Art and Craft** 503-297-5544, [www.ocac.edu](http://www.ocac.edu)

**Woodcraft** 503-684-1428, [www.woodcraft.com](http://www.woodcraft.com)

**Woodcrafters** 503-231-0226, 212 NE 6th Avenue, Portland, [www.woodcrafters.us](http://www.woodcrafters.us)

### THE GUILD IS PROUD TO BE SPONSORED BY:

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- ◆ Some sponsors offer discounts to current Guild members.
- ◆ \*\* denotes Scholarship Sponsor

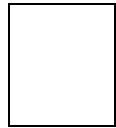
### Affiliates:

Northwest Woodworking Studio  
Oregon College of Art and Craft



### Guild of Oregon Woodworkers

c/o Bob Oswald  
40639 SW Vandehey  
Road



**We're on the Web!**  
[www.GuildOfOregonWoodworkers.org](http://www.GuildOfOregonWoodworkers.org)