

OREGON WOOD WORKS

THE EDITOR'S INSIGHT
*Long & Short
of Summer*

The dichotomy of summer; the longest day, the summer solstice, has just passed by, the beginning of summer and the days are getting shorter.

I've always thought there was something wrong with this model. Nature sets the tilt of the earth, but who decided when the seasons would start?

It turns out to be mostly driven by centuries of local traditions, reasons related to raising crops, connect events to solid references like the summer solstice.

The internet refers to a meteorological summer which centers the seasons around the solstice and equinox. I think I like that.

Consider then that Summer would be May-June-July Autumn is August-September-October. Winter is now November-December-January, and Spring covers February-March-April Well, spring seems a bit early but only a little.

Seems reasonable to me.

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Mix the Media

Wood plays two roles in the project

Wood by itself in a piece of furniture, art, bowl, pen or what have you is beautiful in its own right. The infinite variations of grain and color in the myriad species provide an infinite palette on which to ply our craft. But how often do you consider other materials to enhance the beauty of the project?

Take the framed picture as a starting point. Here wood tends to have the secondary role of physically holding the art together in a way to display it. Typically the frame is subdued to lead the eye into the picture, the real center of interest.

On the flip side, the tall ship picture featured here brings the wood more into the forefront. The ship is wood, dark and majestic. The brass inlay is consistent with the extensive use of brass in ships. Is it a complement?

A chair is an interesting segue into where this is going. In a waiting room

this morning, chairs abounded, and the eye saw only colorful cushions. The wood frame of the legs played a very secondary role. On the other hand, that Maloof style rocking chair with a wicker or a fabric covered seat is meant to focus



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NEXT PROGRAM — THURSDAY JULY 14 2016 7:00PM

RECYCLE WOODWORKING-PAUL BUNYON

Salvage Works, 2024 N Argyle St. Portland, OR.

We are going to be under the watchful eye of Paul Bunyan July 14 when we hold our monthly program meeting at Salvage Works in Kenton. If you do not know this from your own personal visits, Salvage Works is a fascinating place. That's right. Fascinating.

This "very Portland" business was started by Preston and Rachel Browning in 2010 and just recently moved to newer digs at the current location of 2024 N Argyle St in Portland (Kenton Neighborhood). Both have an extensive construction industry background and decided that they wanted to make a significant contribution to the environment by providing a resource



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Northbound on I5, exit on Lombard heading westbound. In one block turn right onto Interstate. About a mile North and curving Northwest.

Southbound on I5 from Vancouver, exit 306 and follow Denver Ave past PIR about 1 mile.

PRESIDENT'S COLUMN

ROGER CROOKS

Summer Woodworking

I think Summer may finally be here and for many, woodworking moves outside. Looking around the yard, there may be deck or fence repairs, maybe a new outdoor bench or other projects that we normally don't consider fine woodworking. As I was repairing a section of deck stairs and railing that was taken out by a huge branch that come down recently, I thought about how my skills (and tools) have improved since joining the Guild.

While my technical skills are better, more importantly my desire for "doing it right" has resulted in a better finished product. In the back of my mind I'm always thinking that if another Guild member sees my work, what will they think. If being part of the Guild leaves you with anything I hope it not only makes you a better woodworker but also with the concept of "Doing it Right" which is a good approach for everything you do in life.

Reclaim Wood

I've gotten a lot of questions about the use of reclaimed wood, not only in our shop but its use in general. It is a timely topic given our July meeting at Salvage Works. The board has been discussing this and we are working on a proposal that I hope we can release shortly. There are three issues: (1) What is reclaimed wood, (2) What is good to use, and (3) How can you use it safely without damaging equipment. We will soon release a process that you can use in your own shop as well as the Guild shop. If you have input, please send it to me.

Guild Activities

I'm happy to announce that Rachel Burr is the recipient of our second scholarship award. Her energy and desire to pursue woodworking is welcome. We hope to see a lot of her in classes and when she gets her green card, in the shop. Please give her a warm welcome if you see her.

Last week we had our annual Open House with a first - a dual estate sale. Again thanks to our volunteers who make these happen, the estate team who put them on and of course all of you who came and spent money helping out the families. Later that day, Alexander Anderson had a BBQ at his shop showing off the results from the bench build class. There were six beautiful benches on display that made everyone envious. One was built by Rick Alexander which will be used in the Guild assembly room. We hope to do a similar class again next year.

The two Community Service teams delivered their projects this month. Bob O'Connor's team delivered the last benches to Alberta Kerr and received a wonderful thank you letter. Tim Moore's team started the installation of the Multnomah Arts Center display case. It is the first thing you see as you enter and is impressive. Many thanks to both teams! We are starting another bench project and our Christmas toy drive so please consider joining both teams - it is a



Roger Crooks,
President

great opportunity to give back to the community as well as learn new skills and interact with other Guild members.

Coming Up this Summer

In addition to the many education classes, coming up July 16th is our bi-annual bus tour of local wood suppliers - it is a fun and informative way to spend a Saturday morning. Now is the time to start work on the 2x4 contest for the summer picnic and remember you have until July 9th to take advantage of the World Forestry Center Wood Artist display and the 2 for 1 coupon to visit the museum (www.worldforestry.org/visit-2/discovery-museum)

GUILD PRODUCT BUILD

ED FERGUSON

Ken Hall, Al Arntsen, Ken Vetterick & Phil Scott wrap up the first batch of birdhouse kits for this year's events.



Product Build turned out 225 kits over the past few weeks. Sixty went to the Ant Farm in Sandy and the rest will be put together by some very happy kids at the Clackamas County Fair and Multnomah Days in August. Material for the kits was provided by very generous donations from the Jim Madaras family and Bruce Whiting of Osprey Custom Sawing.

Pictured: Kids assembling kits at the Ant Farm in Sandy on June 4th



LAST MEETING: HAND PLANES WITH KEN HALL

MATT GROMMES

Show & Tell

The usual show of fun and craftsmanship from our members included:

- ◇ A plywood pattern for a mold to cast iron table legs.
- ◇ Turned handles for a Dutch Elm disease cure kit. They help make the holes used to inject the fungicide into the tree, replacing a much more expensive kit.
- ◇ Some very interesting firewood stools, made, as you can guess, from pieces of firewood. The stools were unique and were made with different techniques to learn.
- ◇ The first issue of Mortise & Tenon magazine, a new magazine devoted to hand tool woodworking.

Ken Hall on Handplanes

Guild member Ken Hall gave a great presentation on the history and different types of hand planes. Ken is a long-time collector of planes, over 200 of various types, and has done much research on them. He started with planes used way back in ancient Pompeii, 2000 years ago. Craftsmen made their own planes until the high quality steel from the British town of Sheffield led to more factory-made planes. Originally, plane bodies were made from wood. Many modern hand tool users still use and prefer wooden planes. After the mid 1800's metal soled planes took over the market. The Stanley and Bailey companies dominated American planes and their 1940's era designs are still considered the best.

There are many types of planes as there are woodworkers to use them. There are planes to make every kind of molding, grooves, dados and rabbets. Planes to flatten and joint edges

are the most popular and widely used, but use of all the others were the way all woodworking was done until less than 100 years ago.

Ken showed examples of a few types of particularly unique planes such as a moving fillister plane. It's made for making rabbets of many sizes, thanks to a depth stop and adjustable width. There's also the beading plane for making a bead on the edge of a board to hide a joint in a wide panel. A large number of wooden hand planes you'll see are molding planes, planes with the irons in many different shapes to create complicated patterns on both furniture and moldings.



There's so much to the field of hand planes that the amount Ken was able to cover was very impressive. The boxes of planes he brought delighted a lot of members. He also had a stack of books and a handout with tons of further information. I'm sure he helped bring at least a few new people into the world of hand planes. Thanks a lot, Ken.

PAUL BUNYAN VIEWPOINT

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for the sale of recycled materials. Salvage Works is also extensively involved with the deconstruction industry in both Portland and statewide, selling many of the items coming from this de-construction.

The list of products for sale is extensive and includes both recycled and raw wood. Examples include rough-cut fir and pine, recycled beams, vintage fir tongue and groove flooring, re-milled lumber for walls and ceilings and live edge slabs of various species. In addition, you will find recycled corrugated roofing, barn doors and barn door hardware. Oh, and more. WOW.

The program will include a presentation of Salvage Works as a business, a view of recycled wood as a woodworking medium, how to mill and process recycled wood, and a tour of their products. Included for every attendee will be a one-time 20% purchase dis-



count coupon.

The timing of this program subject is excellent since the Guild Board of Directors has decided to progressively implement procedures that will allow the milling of green and recycled stock in the Guild shop. Salvage Works will not only be a valuable resource for such materials but you can also learn a lot about recycle woodworking.

See ya in Kenton...and say hello to Paul.



A HORSE WITH NO NAME

RICK ALEXANDER

Several intrepid woodworkers and carvers showed up Saturday morning May 21st at Catlin Gabel School's wood shop to tame a herd of wild horses. Guild instructor Norm Baird teamed up with Guild Education Committee co-chair Ric Fry and Guild member Kit Camp to teach folks a thing or two about shave horses.

Ric and Kit are also on faculty at Catlin Gabel and the event was one of several recent Guild classes in partnership with the Guild of Oregon Woodworkers and Catlin Gabel School. The event combined features of a Guild woodworking class and a work party akin to the Guild's Community Build projects. Participants signed up at a reduced tuition rate to learn how to build their own shave horse and to work on additional shave horses for the school.

So what's a shave horse? Green wood worker [Peter Follansbee](#) explains a shave horse as "the basic 'workbench' for shaping with a drawknife or spokeshave." It's an essential tool for green woodworking, carving and making traditional chairs (for examples see [Jennie Alexander](#), [Tim Manney](#), [Drew Langsner](#)). A good horse will hold a workpiece firmly in its jaw while the woodworker, seated on a comfy saddle, carves and shapes it with draw knife, spokeshave, rasp and similar hand tools.

The May class and work party was an experiment in learning and teamwork resulting in each participant leaving with a shave horse and the school on its way to having shave horses for its woodworking program. By day's end, the work party produced six completed horses, partly completed four more and started some work on another four.

The partnership has immediate benefits to both parties. The school has space to store the shave horses, something the Guild doesn't have without turning the Annex into a corral full of 'em. The horses stored at the school will be used by Catlin Gabel students and will also be available for Guild classes.

Norm started the day by explaining that some 10 years ago he unexpectedly turned down a path to becoming a chair maker—he's been hooked ever since.

He's become extremely knowledgeable about the tools, design and history of traditional hand-made chair making in America. He's studied with a number of well-known contemporary proponents of the craft and ably shares his knowledge with others.

The shave horse design is made up of four separate parts Norm called modules. That makes the horse easier to store and more portable. You can take your horse out of the barn into the sunshine to shave and

carve outdoors in summer, or in front of the fireplace in winter.

The modular design was key to organizing the work party into four teams each working simultaneously on a different module. Ric and Kit had the school woodshop set up and well organized for the work party. They kept



things safe and running smoothly throughout the day. Participants rotated among the teams so each had an opportunity to work on all four modules and learn the entire process. Participants reinforced their learning by teaching an incoming team member about the process. If it sounds a bit like musical chairs, you shoulda' been

there. It certainly helped make it a work PARTY! One pair of work party participants made the event a birthday party. She explained she's not a chair maker but she is a spoon carver and a shave horse is just the thing to extend her skills in the craft. He is a woodworker and since the work party was on her birthday the shave horse they took home is her birthday present from him. Another participant explained he is looking forward to using his horse to build chairs. Yet another

said the horse would save him the money he would might other wise spend on a lathe to make rounded chair parts.

Throughout the day Norm pointed out various design options for shave horses along with tips on how a user can modify it for personal preferences. He also set aside his engineering hat and gave a nod to the

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artistic side of woodworking creativity by suggesting participants name their horse. While Trigger, Silver, Topper and Ed might be cautious choices for the left-brain dominant among us, this group went for more personally meaningful choices like Dusty, Curly, Sally and One-Trick.

No matter what you call your hoss, the team work in teaching, learning and building was an effective way to get a lot of work done in a day and for everyone to learn the process and take ownership in the outcome. Caitlin Gabel has a fine wood shop and woodworking program and the Guild looks forward to a continuing partnership.



All in all, it was a productive day, each participant learned a thing or two about design and use of the shave horse, and went home with a new pony and new enthusiasm for making shavings and chips.

WEBSITE IPHONE PROPOSAL

BOB OSWALD

I've discovered some benefits to new themes in the Guild website. Theme is the overall look and feel. Ours is currently a traditional legacy theme. The vendor, Wild Apricot, has put a lot of energy into website structures compatible with today's tablet type devices such as the iPhone and iPad. That structure, as you who use them know, is designed for a very vertical format, for scrolling to the section you want, with larger fonts to facilitate more error free finger tip selection. It's a more spacious design. Not particularly artistic, but functional for where the world seems to be going (thanks to Apple).

I have set up a test website based on our current site. I would like your feedback. Do you favor going to this new approach as a tablet user? If you're not an iPhone user would you rather stay with the current theme, or is the new one ok? I will collect yea and nay

TOY BUILDING STARTS NOW

GIG LEWIS

The Guild will start making toys for Christmas on June 24th, Friday, starting at 1 to about 5:PM. The first meeting will be mostly a discussion about wooden toys, how they are made, and how they are finished. We will be looking for toys that girls would also like and will be making cradles, yo-yo's, and even bi-planes. Please bring some ideas and if you have some wooden toys to share, please bring them, too.

Our agreement with the IRS requires us to do Community Service as part of our non-profit status. We will be doing that and having some fun, also.

Drop in and help, Friday, June 24th, 1:PM. We will be doing this every Friday

until close to Thanksgiving. Contact Gig Lewis at giglewis42@gmail.com for more information.



opinions to help make the decision.

Why not change anyway? One, it's not as "artistic". Two, there is quite a bit of underlying web design work by a couple of us to convert things that would not automatically change well. If we change, the website will probably be a little 'wonky' in some spots until we find all the loopholes.

There is no middle ground. If I press the convert button, there is no going back. So enough people have to vote for change to justify it. And if you don't want change, please also vote.

Test website = www.goow22.wildapricot.org

The theme present there is one that I think is most conducive to our needs.

There are others. In fact you yourself can open a Wild Apricot test website, full featured, for 30 days, if you want to look at some other themes.



UPCOMING CLASSES

NORM BAIRD

Intro to Scroll Saw with Duane Taylor

Jul 13, 5-9, \$30

Class Coordinator: Doug Drake

Join Duane Taylor in this four hour class and learn how to use one of the most versatile power tools made. You will learn how to properly utilize the scroll saw as well as learning how to produce scroll art and fretwork.

Intro to Intarsia with Duane Taylor

Jul 27, 5-9, \$40

Class Coordinator: Doug Drake

Join Duane Taylor for an enjoyable "Hands On" class learning all about the Ancient Art of Intarsia. The four hour class begins with a History of Intarsia and the entire process of turning dimension lumber into a mosaic piece of art.

Repairing Common Mishaps in Woodworking with Alexander Anderson

Sep 18, 9-4, \$120

Alexander's Shop, Madrone Studio

Class Coordinator: Bob Sokolow

Woodworking projects always find a way to have some little mishap along the journey to creation through the shop. Instead of making excuses, we can make repairs. This class will show some of the dozens of types of repairs that are commonly employed by Alexander in his shop.

See the Guild website for registration and more details. Contact the Class Coordinator with questions. All classes are held in the Guild Shop unless otherwise specified.

AFFILIATE UPCOMING CLASSES

Northwest Woodworking Studio

Handplanes, Spokeshaves, and Scrapers

July 7-9

Class will offer insights into joinery, theory and design.

WELCOME NEW SPONSOR

BOB O'CONNOR

The Guild would like to welcome our latest sponsor and supporter, Salvage Works. They are located at 2024 N Argyle St. Portland, OR. Their business is a significant contribution to the environment by providing a resource for the sale of recycled materials. Salvage Works is also extensively involved with the deconstruction industry in both Portland and statewide, selling many of the items coming from this de-construction.

The list of products for sale is extensive and includes both recycled and raw wood. Take a look at their website. Come to this month's meeting for a close up look.



GREAT 2016 BUS TOUR

GIG LEWIS

The 3rd Bi-Annual Woodworking Bus Tour will leave the Multnomah Art Center lower parking lot on July 16th at 8:30 AM. We will be touring four large retailers of Hardwoods in the greater Portland area.

This is an opportunity to visit Guild supporting vendors and discover many species of hardwoods that can be purchased locally. It's also a great chance to meet and get to know other Guild members.

We will be visiting Woodcrafters, Goby Walnut, Crosscut Hardwood and Hardwood Industries. Not only will Hardwood Industries be serving us lunch, they will be having their annual parking lot sale.

The fee is \$25 and includes lunch. This is a lot of fun meeting other Guild members and discovering woods that you only read about. We should be getting back to the Multnomah Art Center around 12:30 PM. Our bus only has seats for 50 riders. Make and pay for your reservation soon to guarantee your seat. Register and questions on the website under Monthly Programs.

Pictured a typical walnut stack air-drying, at Goby Walnut Products. And an example of some of the custom woodworking they also do. Look at the size of that walnut slab for the conference room table.



AND THE BLOOD FLOWED...

JIM SPITZER

“What happened!” and then “I’m OK” were shouted above the roar of my dust collection system and through my hearing protection. I scanned from her raised hand to her startled face, to the concrete floor where blood was pooling. Over the noise I shouted, “Follow me!” We went a dozen steps to the laundry room sink where I quickly rinsed and assessed the wound. The cut was bad. Not sure how bad as I quickly wrapped it with a clean rag and told her to keep pressure on it as I drove her to the emergency room.

This happened a year ago. It was traumatic enough so that I did not want to talk about it. But I should have. Even the most experienced among us can have a lapse in the steps that we should consider to keep us safe. Perhaps an interruption, fatigue, repetition, overconfidence in safety features, etc. Perhaps adding this incident to your memory will cause you to think and work more safely.

She was a fifth year architecture student who was experienced using power tools, including the miter saw that did the damage. Her boyfriend, the son of a neighbor and good friend, had asked if I would work with her to build do-it-yourself furniture for his new apartment out of pallets and discards from home construction sites. It was a beautiful, hot day. She quickly proved herself to be a hard, competent worker. Following her designs we were making creative, good looking furniture of cast-off wood.



The last cut of the day was on this 10” Makita sliding miter saw. It is well maintained. The handle is set to the right of the plane of the moving blade. The blade guard worked as built. But the design was not enough. We know of the 3” rule that keeps a holding hand away from the blade. But what about the operating hand?

Blade guards typically need gravity in order to fall

over the blade. Well, what if the blade is pinched by the work? Perhaps the back of the wood being cut was not flat and flush against the fence. Perhaps the nature of the wood grain causes the blade to bind. As the blade is pinched the power of the motor could cause the saw to fly out of the wood AND the hand operating the saw. If there is enough energy the saw will reach its upper stop and then reverse direction, bouncing down toward the hand that it broke free from. It may be moving faster than the force of gravity that is required to drop the blade guard. If the hand that the saw broke free from moves into the plane of the moving blade this is what can happen.

While still very serious it was a close call. The spinning blade could have easily cut through the hand. But momentum stopped just as the blade was cutting an inch or so longitudinal groove in the underlying bone (see center of photo).



It was still enough to cut one of the five tendons. Follow on surgery by a plastic surgeon and much physical therapy have led to full function of the hand. An impressive scar and will lead to a lifetime of telling the story.

It has reinforced in me the need to not only know where the blade is and where it is going, but where will it go if the piece being cut may be propelled if things do not go as expected.

On a chop or miter saw always ensure that material is held flush against the fence. But the nature of the wood can still cause kick-back. Ensure that the direction and force of your hand cannot bring it into the plane of the moving blade. On the table saw ensure the path of any kicked back material is clear of your body and others. Consider all of the risks and precautions that you can take as you use any tool... even hand tools. Let’s all try to work carefully, smarter, safer.

GUILD TO BE IN MULTNOMAH DAYS

BILL KEAY

Coming up is the annual Multnomah Days event, Saturday, August 20th. The Guild plans to host an open shop

For those who live in the Multnomah area and surrounding neighborhoods of Portland, Multnomah Days is a celebration of the charm and creativity of our vibrant community. For the first time, the Guild will be represented with a booth on the main parade route. In addition we will provide participants to the daylong celebration with open shop tours of the Guild's workshop to bring greater visibility to our great resources and contributions to the community.

We will be looking for volunteers to staff the booth and shop tours during this day, so please let us know if you can help act as stewards to our woodworking activities...and enlist others who would like to join our activities. Please contact me at wmkeay@gmail.com.

2x4 CONTEST

JOE SANDERS

We did this a number of years ago, in fact about 10 years and there was very high participation, at the Portland Convention Center. We resurrected the contest last year for display at the summer picnic. A nice number of members showed their creativity in building something with a single 2x4. We want to do it again.

The only rule is you start with a piece of wood measuring 2"x4"x8'. You can use dimension lumber or a real full dimension rough cut 2x4.

This is a creative contest and anything goes with the 2x4 starting point. Judging and winner will be announced at August monthly program. Here are a couple of samples from last year.



OUR FRIENDS IN THE NEWS

BOB OSWALD

White House Honors Champions Of Change

John Niebergall – Sherwood, Oregon

For more than 32 years John Niebergall has dedicated himself to training the next generation as an educator in the Sherwood School District in Sherwood, Oregon.



He has worked tirelessly to provide his students with hands-on, contextualized learning experiences and has directly raised more than \$825,000 through grants and in-kind contributions to establish a classroom and mobile Fab Lab. As a result of access to both top-level instruction and industry-standard software with state-of-the-art prototyping equipment, numerous students in Mr. Niebergall's class have launched student-run, school-based enterprises. Of particular note is his successful efforts to create a culture of inclusion in his classroom with a notably high participation of female students. His instructional approach allows students direct experiences with the real-world challenges of designing, developing, manufacturing, and marketing. John has mentored other career and technical education (CTE) programs and educators.

SUMMER...

BOB OSWALD

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Do you think we can change a few thousand years of culture? Not likely. But a little research shows that around the world, the beginning of summer does vary up to a month depending on local traditions.

Anyway, since summer is now in full swing, you should be doing some woodworking with the doors and windows open. I wish I could do it that way all year long.

Enjoy this beautiful season. Make some sawdust, but get out and water ski, barbecue hot dogs and walk in the woods. Take some time to appreciate where our craft begins.



Where our craft begins

MIXED MEDIA

BOB OSWALD

(Continued from page 1)

the eye on the woodwork, accentuated by the alternate media of fabric

I've built a number of tables, original designs inspired by my master woodworker friends and only the first one is all wood. One end table set has a brass inlay around the top with a beveled glass panel, because I love both media. It's a beautiful example of using several media (at least my wife thinks so). The eye tends to take it all in. The curves, the color, the glass. No single focal point.



I was inspired a few days ago by a visiting rockhound. I showed him an agate ring stone my father made for me. On a wandering trip in the Arizona desert while he was still with us, I found a beautiful piece of Arizona agate. We took it home and he cut a slab, shaped and polished it. My assignment was to get a ring setting made for it. That was thirty-seven years ago. I still have it and the wax blank to carve the ring in the original paper sack he put it in.



My rockhound friend suggested other uses for stones besides jewelry (I don't wear rings any more). He suggested inlaying it in some of my woodwork. I would never have thought of that. I have a special project in mind that will now have that stone set into the wood. That suggestion inspired me look at woodworking in a different way, and to write this article.

An application of mixing media that I have long wanted to promote within the Guild but have never quite gotten around to, is the use of iron with wood. In a project a number of years ago, we built a stagecoach. I also subsequently built a 1/4 scale wagon (pictured). There is a lot of iron used. Which is the dominant material? Both are in this application. The iron provides the strength and the wood provides the weight reduction. Combined you get a strong, light weight wagon that is also quite pleasing to the eye.



Iron and Wood

We traditionally do use alternate materials in taken-for-granted applications. Knobs, handles and hinges, are a big part of doors and drawers. We choose them carefully for their enhancement to the project.

So in this article, primarily through the agate, I hope you pick up a new idea. My mind has expanded.



Wood, Bronze Pulls, Smoked Glass

WELCOME NEW MEMBERS

BOB OSWALD

Welcome to our newest members in chronological order. We're 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.

Amy Bennett, Len Chamberlain, April Leone, Shelley Selph, Tomoe Yokoyama, Gregory Quick, Cristina de la Garza, Lyric Joplin, Alan Joplin, Leland Jossy Jr, Tiffany West, Malcolm Byers, James Rollins, Doug Wampach, Anthony Whittum, Adam Nafziger, Robert Tompkins, Chris Harmon, Kathryn Kuivila, Julie Quillen, Edwin Robinson and John Caselli

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 programs*
- *Monthly newsletter*
- *An education program to help members develop woodworking skills*
- *Sponsor discounts*
- *Woodworking shows*
- *Network of business partners.*
- *A woodworking shop with space to rent*
- *A network of friends*

For information on how you can become a member, see the Guild website listed below.

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

Rockler Woodworking 503-672-7266, www.rockler.com

Oregon College of Art and Craft 503-297-5544, www.ocac.edu

Woodcraft 503-684-1428, www.woodcraft.com

Woodcrafters 503-231-0226, 212 NE 6th Avenue, Portland, www.woodcrafters.us

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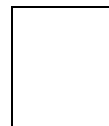
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Northwest Woodworking Studio
Oregon College of Art and Craft



Guild of Oregon Woodworkers

c/o Bob Oswald
40639 SW Vandehey Road
Gaston, OR 97119



We're on the Web!

www.GuildOfOregonWoodworkers.org