



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

Colorado Woodworkers Guild

February 2016

President's Message

Rockler Basement Stair Project:

As you might be aware we are not the only club which meets in Rockler's basement. Others are The Front Range Woodturners and The Rocky Mountain Shipwrights. At our January Board of Directors meeting we were approached by members of the Shipwrights about a project to install powered chairs on the stairs into the basement meeting room. The project would install two powered chairs; one from the store to the first landing; another from the landing to the basement. This approach was chosen as it is much less expensive than a single chair from the store to the basement. The cost of this is quoted at \$10801.75 which would be split by Us, Woodturners, Shipwrights and Rockler. Or about \$2700 per group. Colorado Woodworkers Guild does not have this much available. If each of our 270 members were to contribute \$10.00 we could meet this cost. How do you all feel about this? Drop an email to info@coloradowoodworkersguild.org and let us know your opinion.

Auction:

We didn't have an auction in 2015 and unfortunately ended up spending more than we took in. So, we are planning an auction for 2016. Got something to donate? We have room to store it. Drop an email to president@coloradowoodworkersguild.org.

February Meeting:

Following the Lee Nielson Hand Tool Event at Austin Hardwoods in November, Scott Roth sent me an email about a young man, present at the



event, who makes 18th century reproduction hand planes named Jeremiah Wilding. I contacted Jeremiah and asked if he would give us a presentation. He has agreed to do so at the February meeting. If you are interested in his work check out <http://www.jwildingplanemaker.com>. Jeremiah has suggested that he will demonstrate how wooden planes are used in making elements found in furniture. This promises to be a great presentation.

Future Meetings:

Presentations are being planned for March, April, and May ... as plans are firmed up information will be posted on coloradowoodworkersguild.org.

Cary Goltermann - Le Président

Upcoming Events

February 16, 2016

Guild Meeting, Rockler's basement 6:30 PM
18th century hand planes by Jeremiah Wilding.

February 27, 2016

Rocky Mountain Tool collectors member Dave Miller is moving out of the area and is having an auction of his tool collection. His collection has been divided into thirds and the first grouping is coming to auction on Feb 27. Photos and details can be found at:

http://www.linneburauctions.com/february_27th_auction.htm

March 15, 2016 - I currently have nothing scheduled. Perhaps another evening of mini-demos by members? Any ideas would be welcome.

April 24, 2016

[*The Colorado Arts and Crafts Society Presents*](#)

A Gathering Of The Guilds

[*At the Boettcher Mansion*](#) from 10 AM - 4 PM. The Guild will have a table there. Come to see work from all sorts of craft groups. If you'd like to help man the table please let us know.

Membership

Membership Problems??? Send an email to president@coloradowoodworkersguild.org

Happy New Year!

Here is the membership status as of this writing:

154 Members paid through the end of 2015

133 Members paid through the end of 2016

287 Active memberships total

Total 287 **active** memberships. About 46% of our members are current through the end of 2016.

What is an active membership?

A membership is valid through the end of the calendar year. If you have not renewed for 2016 your membership is still considered active until April 1st 2016

We start issuing memberships for the next calendar year in November. Join on or after November 01, 2015 and your membership is good through **December 31st 2016**

Memberships which expire on December 31 2015 are not considered inactive until April 1st 2016. So you can still login to

<http://coloradowoodworkersguild.org>.

If you have not renewed by April 1st, your login will be disabled.

Now is a great time to renew your membership!

The 2016 member cards look like this (member name/expiration in black text on a yellow background). If your member card does not look like this, it has expired.



We make member cards like this for a few reasons. First, the tape is printed on a Brother Label printer. The information is derived directly from membership applications. This saves me the need of entering everything manually. Second, it allows our sponsors to easily identify an up-to-date member card. More than a few sponsors have asked for this. Third, our members can easily know if their membership is up-to-date or not.

Cary Goltermann – Occasional Assistant to the Membership Chair

Shows And Exhibits

Gathering of the Guilds – 2016

This year's Gathering of the Guilds is on Sunday April 24th. The location as always will be at the Boettcher Mansion on Lookout Mountain. The event runs from 10:00 AM to 4:00 PM and for those interested in the Arts and Crafts movement it is the best event of the year. The event hosts a wide variety of participants, which like our group is made up of people deeply interested in their craft. In the past they have included bookbinders and printers, various metal workers, potters, calligraphers, weavers, leatherworkers, distillers and more. Held in the historic Arts & Crafts style Boettcher mansion it makes for a wonderful event.

The Guild is going to have a table at the Gathering again this year. For this event we need three or four volunteers that will be able to cover either the first half or the second half of the day. Thankfully I had two individuals volunteer at the last meeting so we could use one more person. Additionally, we would like to have some pieces to display. While this is an event put on by the Arts and Crafts Society the pieces do not need to strictly be in the Arts and Crafts style. If you want to display your work or volunteer for the show please contact me. Thank you in advance to the volunteers.

Kevin Loyd Shows & Exhibits

Sponsor's Corner

Paxton Wood of the Month

The **Wood of the Month** for February at Frank Paxton Lumber is 4Q brown ash. The lumber comes surfaced on three sides (S3S), in random widths and random lengths. As usual please call 303-399-6047 for pricing.

In Class

Since we have had no classes in the first month of the year, there are no classes for me to write about. However, I can use this space to ask each of you, the membership, what classes would you like to see in the coming months?

In the past two to three years we have conducted the following classes:

- Sharpening
- Plane restoration
- Hand cut dovetails
- Shaker boxes
- Band saw setup
- Band saw boxes
- Woodworking 101 (basics of measurement and main power tools)
- Woodworking 102 (getting a start on building a simple table)
- Marquetry
- Carving (3D and relief)
- Finishing

Here are some other areas we could explore:

- Router techniques
- Picture frame design and construction
- Cabinet making
- Jig construction
- Mortise and tenon techniques
- Lamination
- Steam bending
- Box making
- Computer Numerical Control (CNC)
- Building wood planes
- Sketchup
- Shop design and setup

So, please give us some feedback. What classes would you like to see? Remember, as much as possible, the Guild will subsidize the classes to keep your cost low. Please give this some thought and send in your ideas for classes to info@coloradowoodworkersguild.org.

January Presentation

Always in Fashion & Easy to Build

John Hammer returned to CWG to demonstrate the making of Shaker oval boxes. He shared a bit of the history behind these beautiful creations. Shakers came to America from England in the late 1700s and settled in Mount Lebanon, NY. During the 19th century Shaker settlements spread to New England, Kentucky, Ohio and Indiana. The Shaker lifestyle was simple and the items they made were above all meant to be useful. Shaker oval boxes adhered to those principles.

Families used oval boxes to store dry kitchen ingredients, small household items, sewing items or parts in the shop. Boxes were made in a variety of sizes to accommodate need. They were proportioned so that when not in use, they could be neatly nested one inside each other to save space and reduce clutter. Shaker boxes eventually caught the eye of consumers and they soon became quite popular. Shaker communities began making them for sale in the early 20th century and they haven't gone out of fashion since.

A distinguishing feature of all Shaker boxes is swallowtail-shaped projections on its wall. This detail had practical as well as artistic significance as well. These gracefully tapered tails allowed the box's thin wood walls to expand during extreme temperature and humidity changes without splitting.

Patterns, forms and templates set the size and shape of a box. A template makes tracing and cutting the distinctive swallowtail detail neat and repeatable. Box walls are fabricated by steaming thin wood strips and wrapping them around an oval form called a "follower". Followers preserve the final size and shape of the box as the wood strip dries. The swallowtails overlap the wall. They are fastened in place by small copper tacks. After removing the follower a permanent wood bottom of the same size and shape is fitted and glued in place. Box lids are sized to fit using the same process.

To show how easy it is to make Shaker oval boxes, John enlisted the help of a young visitor, Seth Babcock, to make one during his presentation. He

taught Seth how to mold a softened walnut strip around a follower with his hands and secure it with copper tacks. Next he showed Seth how to make a second bentwood band that would become the box's top. Seth then carefully shaped a bottom for the box and snugly put it in place. Each of these steps took but a few minutes.

Rather than make your own patterns and templates from scratch, you can find commercial sources to get started. For example, John Wilson, owner of The Home Shop (<http://www.shakerovalbox.com/wp-content/uploads/PicCatalog.pdf>) offers plans, supplies and kits for building Shaker oval boxes in an assortment of sizes.

Jim McNamee

To view this presentation, [Click here](#), Log In, and click on the video you wish to see.



Show & Tell

The show and tell in January kicked off the year in style with a good grouping of items from several of our members.

Paul Seipel started things with his bandsaw box that he made of wenge and plywood. The combination made for a great contrast between the dark chocolate wenge and the birch ply. While Paul marked his identification card as a “beginner” he is actually the teacher of the bandsaw box classes for the guild and elsewhere.

Next was **Bill Knoll** who brought in a Christmas gift for this granddaughter. She was very helpful this year as she not only made her Christmas list, but also assigned the family members to each gift. Bill made her a bed for her new Build-a-Bear and she helped to paint the bed.

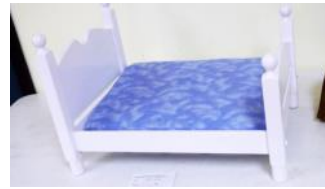
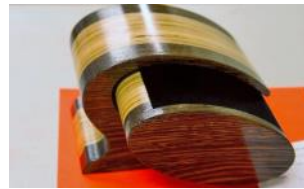
Mit Parsons was up next with a couple of items that he made. Having been a recent student of Paul Seipel the box maker he made this resting duck box on his second attempt. Mit did a fair bit of chisel work carving the duck shape. He also brought in the box that he made in the class with Paul and another box that is prototype of a carved rabbit box. Mit finds plenty of inspiration for new projects as he spends a great deal of time making toys for his grandchildren. Mit also brought in some cross sections of fir that Rural electric cut down. He did some finish work and made them into picture frames.

One thing that Mit also mentioned was that a side benefit of taking the bandsaw box class was not just learning the material, but also the fellow members that he met. The classes allow for members to learn and meet other members that they haven't necessarily had the opportunity to get to know previously. To my knowledge no students have ever gotten detention for talking during class so look for a class and sign up.

The winner of the night was **Ed Lippert** with his segmented vessel made of walnut and butternut. These made for a very nice combination as the grains are similar while giving the light/dark contrast. Butternut is in the Juglans genus with walnut and is essentially a white walnut, but with signifi-

cantly lower density. Ed made this as a gift for a friend who lost his favorite wooden salad bowl to the ill-effects of gravity and a hard floor. Thanks to Ed for giving the gift of salad containment to a friend and to everyone for bringing and sharing their projects with the group.

Kevin Loyd Shows & Exhibits



About Wood

For this month of February 2016, we consider **Poplar**. There are two Poplars most common in North America, **Balsam Poplar** (*Populus balsamifera*) and **Tulip Poplar** (*Liriodendron tulipifera*). The Poplars are part of the Willow family. There are some 40 species of Poplar, 15 native to North America. The genus also includes many species of Cottonwood and Aspen. **Balsam Poplar** is also called Black Poplar while **Tulip Poplar** is sometimes called White Poplar, Yellow Poplar or just Poplar.

Recall that in previous columns, we have defined the Modulus of Rupture (MOR), the Modulus of Elasticity (MOE), Crush Strength, and Janka Hardness. We will continue to use those terms. Most of the other terms are generally well understood and will not be defined further. If you have questions about other terms or questions about a specific wood, contact wood@coloradowoodworkersguild.org.

Poplar

Poplar species are harvested regularly and generally available throughout their ranges. **Balsam Poplar** is a cold tolerant tree and is found especially from Alaska to eastern Canada and northeastern United States, while **Tulip Poplar** is widely distributed in the eastern United States.



Hybrid Poplar

Here is a summary of the characteristics of **Poplar**:

Distribution: Eastern North America

Tree size: 130-160 ft. (40-50 m) tall; 6-8 ft. (1.8-2.5 m) trunk diameter

Average Dried Weight: 29 lbs/ft³ (455 kg/m³)

Specific Gravity: (Basic, 12% MC): .40, .46

Modulus of Rupture (MOR): 10,100 lbf/in² (69.7 MPa)

Modulus of Elasticity (MOE): 1,580,000 lbf/in² (10.90 GPa)

Crush Strength: 5,540 lbf/in² (38.2 MPa)

Janka Hardness: 540 lbf (2,400 N)

Shrinkage: Radial, 4.6%; Tangential, 8.2%; Volumetric, 12.7%; T/R Ratio, 1.8

Heartwood Appearance: light cream to yellowish brown with occasional streaks of gray or green

Sapwood Appearance: pale yellow to white, not always clearly demarcated from the heartwood. Can also be seen in mineral stained colors ranging from dark purple to red, green or yellow, sometimes referred to as Rainbow Poplar

Grain/Texture: straight, uniform grain with medium texture; low natural luster

Stability: moderate

Relative strength: low to moderate Decay Resistance: Poor; subject to insect attack

Workability: a versatile wood that is easy to machine, plane, turn, glue and bore; dries easily with minimal movement in performance; finishes well

Odor: no characteristic odor

Toxicity: reported as an irritant

Potency: low

Toxicity Source: mostly dust

Reaction: eye, skin and respiratory

Sustainability: generally available; not threatened

Uses: a utility wood used for pallets, crates, veneer, pulp for paper, plywood, interior trim, furniture, cabinets, some musical instruments, turned objects

Typical Cost: most economical and inexpensive of all domestic hardwoods

If you have questions about a specific wood, don't hesitate to send a note to wood@coloradowoodworkersguild.org.

2015 Guild Officers



Cary Goltermann – President
president@coloradowoodworkersguild.org

Bob Kleinfeldt – Vice President
vice-president@coloradowoodworkersguild.org



Laura Peterson – Treasurer
treasurer@coloradowoodworkersguild.org

Mark Childs – Secretary
secretary@coloradowoodworkersguild.org



Guild Committee Chairs



Audio – Video – Cal Noguchi
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Classes - **Vacant**
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Community Service - Charles Kuechenmeister & Jeff Roth
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Al Limiero – Newsletter Editor
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Programs - **Vacant**
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Publicity and Public Relations - Lindy Baer
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Kevin Loyd – Shows and Exhibits
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Librarian - Roger Abraham
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Refreshments – Dick Daily
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Dennis Machlica – Membership
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Classified Ads – Michael Cunningham
classifiedads@coloradowoodworkersguild.org

Wilbur Goltermann – Webmaster
webmaster@coloradowoodworkersguild.org



CWG Sponsors

The Colorado Woodworkers Guild is fortunate to have several companies as Sponsors. The Sponsors help the Guild with programs, materials, supplies, facilities, display space, financial, and other means. In many cases, Guild members are able to obtain discounts from our Sponsors (except for power tools and sale items). Please note: the Guild discounts only apply to in person purchases in the store (except where noted), and are not available at any sponsor's online store. You must show a current membership card to obtain the discount

Sponsor List

A Cut Above 16512 Arminta Street Van Nuys, CA 91406
Phone: 800-444-2999 Website: www.acutabove.com

Austin Hardwoods of Denver, Inc. 975 W. Mississippi Denver, CO 80223
Phone: 303-733-1292 Website: www.austinhardwoods.com

B & B Rare Woods 871 Brickyard Circle, Unit C4 Golden, CO 80403
Phone: 303-986-2585 Website: www.wood-veneers.com

Charlie's 2nd Hand Store, Inc. 2227 Larimer Street Denver, CO 80205
Phone: 303-295-1781 Website: www.usedtoolsplus.com

Collector's Specialty Woods

Collector's Specialty Woods 4355 Monaco Street, Unit A Denver, CO 80216 (this is their Denver show-room and warehouse)

Collector's Specialty Woods 8055 County Road 570 Gardner, CO 81040 (this is their southern Colorado wood yard, kiln drying facility, woodshop, and another show-room) Phone: 800-746-2413

Denver Woodworking Company 2062 S. Bannock Street Denver, CO 80223
Phone: 303-733-3130 Website: www.denverwoodworking.com

EZ Dado 5220 E. 130th Circle Thornton, CO 80241
Phone: 303-902-8134 Website: www.ezdado.com

Frank Paxton Lumber Company 4837 Jackson Street Denver, CO 80216
Phone: 303-399-6047 Website: www.paxtonwood.com/denver.aspx

Mountain View Window and Door 815 S. Jason Street Denver, CO 80223
Phone: 303-649-2217 Website: www.mtnview.us

Reclaimed Boxcar Flooring

Phone: 303-913-6373 Website: www.reclaimedboxcarflooring.com

Rockler Woodworking and Hardware 2553 S. Colorado Blvd Denver, CO 80222
Phone: 303-782-0588 Website: www.rockler.com/retail/denver-colorado-hardware-store.cfm

Signature Medallions 4218 Ponce De Leon Drive La Mesa, CA 91941
Phone: 619-303-2876 Website: www.signaturemedallions.com

TC Woods 5406 County Road 23 Ft. Lupton, CO 80621
Phone: 3-666-8989 Website: www.tcwoods.com

Tool Zone, Inc. 8651 Grant Street, Unit 1A Thornton, CO 80229
Phone: 303-252-8500 Website: www.toolzone.com

Woodcraft of Denver 6770 S. Peoria Street Centennial, CO 80112
Phone: 303-290-0007 Website: <http://www.woodcraft.com/stores/store.aspx?id=305>

Login Information

Full Name

Email Address

Username

Badge Name

Contact Information

Street Address

State

Phone Number

City

Zip Code

Website

Guild Participation Profile

- | | | | | |
|-----------------------|---|---|---|--|
| Woodworking Interests | <input type="checkbox"/> Cabinet making | <input type="checkbox"/> Home remodeling | <input type="checkbox"/> Hand tools | <input type="checkbox"/> Tools, jigs, shop |
| | <input type="checkbox"/> Furniture | <input type="checkbox"/> Small projects | <input type="checkbox"/> Turning | <input type="checkbox"/> Veneering, Inlay |
| | <input type="checkbox"/> Wood Bending | <input type="checkbox"/> Other | | |
| Willingness to Mentor | <input type="checkbox"/> Cabinet making | <input type="checkbox"/> Home remodeling | <input type="checkbox"/> Hand tools | <input type="checkbox"/> Tools, jigs, shop |
| | <input type="checkbox"/> Furniture | <input type="checkbox"/> Small projects | <input type="checkbox"/> Turning | <input type="checkbox"/> Veneering, Inlay |
| | <input type="checkbox"/> Wood Bending | <input type="checkbox"/> Other | | |
| Willingness to Serve | <input type="checkbox"/> No Interest | <input type="checkbox"/> Maybe Later | <input type="checkbox"/> Elected office | <input type="checkbox"/> Community service |
| | <input type="checkbox"/> Membership | <input type="checkbox"/> Public relations | <input type="checkbox"/> Meeting programs | <input type="checkbox"/> Class committee |
| | <input type="checkbox"/> Library | <input type="checkbox"/> Newsletter | <input type="checkbox"/> Shows & exhibits | <input type="checkbox"/> Website |
| | <input type="checkbox"/> Audio/Video | <input type="checkbox"/> Other | | |

Shared Information

Do you wish to share your portrait and woodworking biography:

☐ Yes ☐ No

Woodworking Biography:

Please return this form at any Guild meeting or via mail to:
Colorado Woodworkers Guild P.O. Box 100996, Denver, Colorado 80250
ColoradoWoodworkersGuild.org
(303)523-8960