



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

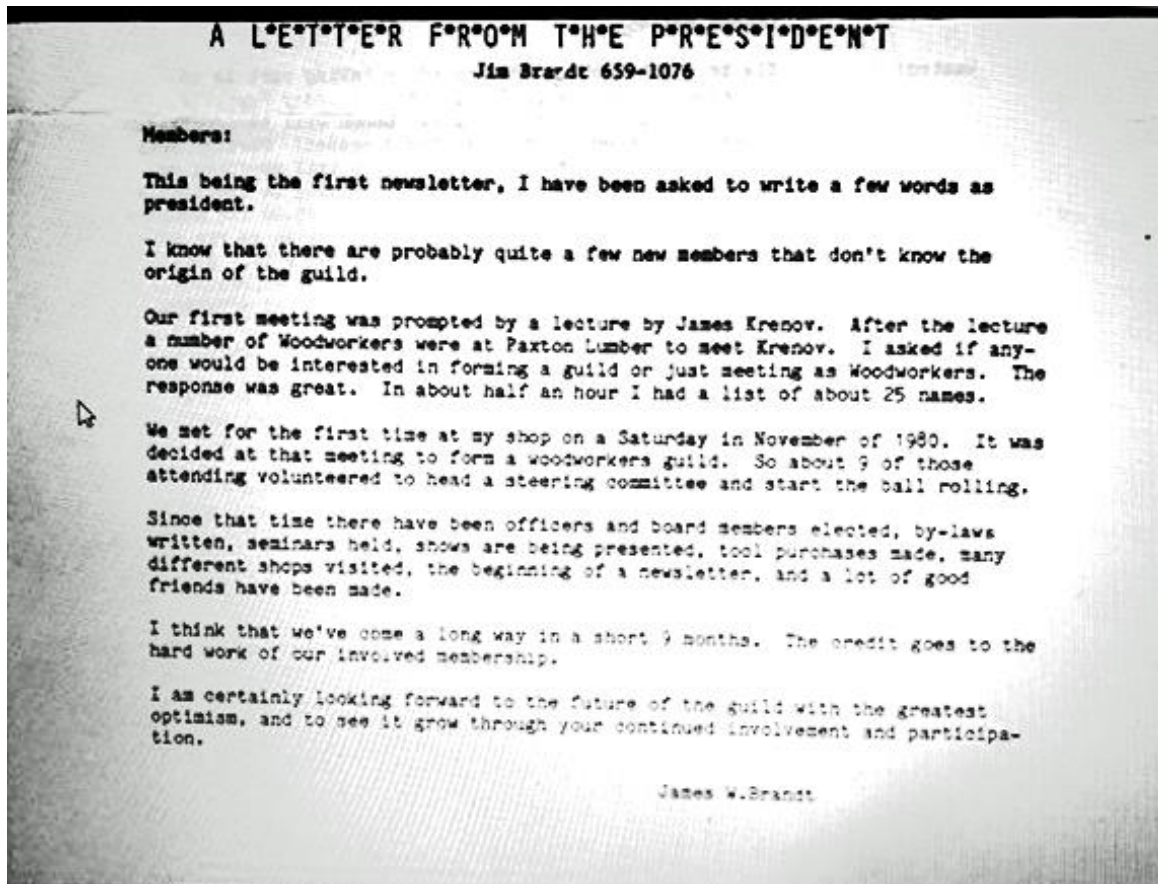
# Colorado Woodworkers Guild

## Apr 2018



### Presidents Message

I was researching old Guild newsletters, and this is what I came across, the 1<sup>st</sup> President's Message:



This is the story of how we started as a Guild in November of 1980. Wow, that was a while back and if they only knew what changes would come over the years to the guild and woodworking. If you want a treat, check this and other newsletters out on the web page. It is a snap shot of our history as well as woodworking many years ago.

**Our next meeting is April 17, 2018** - Member Wilbur Goltermann has recently acquired a unique CNC Router. Unlike other CNC machines this one is hand guided with the router "compensating" for inaccuracies in movement. Will has agreed to demo this at the April meeting. Come and see a live demo of this unique machine.

I was hoping to have a summary of the survey questions I requested in my message last month; however, I have not received any response. Therefore, I have nothing to report.

***Dale Bowlin President***

## Classes

The **hand tool stool** class has been canceled due to lack of participation. I am working on the other classes. The **bandsaw box** class will probably start in May. **Dovetail and Plane Making** have no date and time and material yet.

**Router** class has not been set yet.

*Paul Seipel*

## Shows & Exhibits

### Gathering of the Guilds – 2018

Just a reminder this year's Gathering of the Guilds is on Sunday April 29<sup>th</sup>. The location as always will be at the Boettcher Mansion on Lookout Mountain. The event runs from 10:00 to 4:00 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, 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. I will be attending/volunteering the full day of the Gathering but would appreciate the company. If you want to volunteer to help cover the day, please let me know. Also, we could use some pieces to display that are either Craftsman, Greene and Greene, or other styles contemporary to these. 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 and are willing to display your work, please contact me directly and thank you.

*Kevin Loyd Shows & Exhibits*

### Show and Tell Photos



## Show and Tell

The March meeting was well attended with the change up in presentation format allowing a bit of wandering towards one's preference, and it also included a few nice submissions from our members with a diversity of work.

First off was **Gary Glather** with a pair of **beer totes**. Gary has three sons that he encourages to pursue woodworking from time to time and one trick is to make a cool and desirable project ... Greene and Greene-style beer totes. Gary has 11 of these beer totes in process and is using a variety of woods including walnut, apricot, and elm with the Greene and Greene faux pegs made of ebony.

Next was our esteemed president **Dale Bowlin** with a selection of **sample toys** that he is making with the help of his CNC machine. The toys are meant for a fund-raising charity auction and are also made in an environmentally sensitive manner as they are reclaimed redwood from a neighbor's old deck.

The winner of the night was **Rich Macrae's lacewood box**. Rich said he does boxes between large projects. The corners were mitered with splines while the entire piece is constructed of lacewood, ribbon-stripe mahogany veneer, curly maple, and inlay banding. Rich noted that having never worked with lacewood it was interesting in that it was very porous and grainy, but in the end very beautiful. The finish was shellac.

Thank you to everyone that brought in their work to be seen by the rest of the group. Remember that each month the show and tell is one of the staples of the meeting so please continue to bring your pieces and tell the rest of us what you've been doing.

### *Kevin Loyd Shows & Exhibits*

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### *Kevin Loyd Shows & Exhibits*

## Presentation Photos





# Presentations

## Three Approaches to Joinery

Following the pattern set last month, having multiple work stations set up with members able to watch a presentation of their choice or to roam freely from one to another of the presentations, this month's presentation theme was a tour of some of the approaches to joinery — two fairly traditional and one a relatively new take on the subject.

### Hand-Cut Dovetails

One subject most woodworkers seem to agree on is the desirability of hand-cut dovetails. They're considered the hallmark of a real craftsman and take a lot of practice to get right and become predictable and repeatable.

**Kevin Loyd** is the Guild's acknowledged expert on dovetails, having presented several times previously on the same subject.

Using a handmade jig to facilitate cutting the angles required for the mating parts of a dovetail, Kevin demonstrated the techniques he uses and the various cutting tools necessary to get everything just so. Although several manufacturers offer metal jigs for use with routers to produce absolutely perfect and repeated dovetails, close examination of the completed joint will always reveal whether it was done with a manufactured jig or cut by hand.

### Box Joints

Box joints relate to dovetails but are slightly easier to cut without a lot of specialized jigs, save for a relatively straightforward box joint sled. Because all the cuts are at either 90 or 0 degrees, box joints can be made on a table saw or a router table. While dovetails own the title for resistance to opening up because of the wedging action of the pins, box joints are incredibly strong too and their end grain showing at the corners is especially attractive.

**Bill Knoll** demonstrated a box joint sled that he made for use on his router table. Bill also provided a handout from *Fine Woodworking* magazine describing in detail how to build and use the box joint sled. One feature of the router table sled is that it requires minimal set up and provides extremely fine cuts when used with a spiral uncut bit. The table saw jig must be used with a set of dado blades set precisely to the width of the joint fingers. Bill also demonstrated a method for trimming the end grain of the fingers using a Stanley 60 ½ low-angle block plane and "scary sharp" chisel.

### Domino Joinery

What's termed a domino here refers to a floating tenon inserted into a pair of precisely cut mortises. The Festool company created a tool in 2007 to cut the matching mortises needed to accept the loose (or floating) tenon. Although the thinking behind a domino-based joint and a biscuit joint is somewhat similar, the domino joint is vastly more resistant to any force trying to break it apart.

**Wilbur Goltermann** is probably the Guild's leading Festool proponent and has extensive experience with just about every tool that company makes. For this demonstration, Wilbur brought his domino tool, of course, but also the complete array of cutters (five sizes ranging from 4 to 10 mm) to accommodate any of the six different domino tenon sizes. The machine's self-referencing pins permit cutting rows of evenly spaced mortises with no need to measure and mark for each mortise. Wilbur emphasized the understanding required of the operator for maintaining a consistent reference plane, but that's about the trickiest part of operating the tool.

*By Bob Kleinfeldt*

# About Wood

In this month, April 2018, we consider a member of the **Acacia** family known as **Australian Blackwood** (**Acacia melanoxylon**), also known as **Tasmanian blackwood** and **Blackwood**. Australian Blackwood is a tree native to southeastern Australia and Tasmania and is from the Fabaceae or Leguminosae, the legume family. For the Acacia's, there are two principal lineages, one from Australia and one from Africa. Across these two lineages there are over 900 species ranging from low shrubs to trees. The Acacia genus and other representatives from the family Fabaceae are found around the world, especially in the tropical and subtropical regions. **Australian Blackwood** has been introduced to Africa, South America, and southern Asia. 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](mailto:wood@coloradowoodworkersguild.org).

## Australian Blackwood

Here is a summary of the characteristics of **Australian Blackwood**:

**Distribution:** Southern Australia and Tasmania

**Tree size:** 65-100 ft (20-30 m) tall; 2-3 ft (0.6-1.0 m) trunk diameter

**Average Dried Weight:** 40 lbs/ft<sup>3</sup> (640 kg/m<sup>3</sup>)

**Specific Gravity:** (Basic, 12% MC): .54, .64

**Modulus of Rupture (MOR):** 15,020 lb<sub>f</sub>/in<sup>2</sup> (103.6 MPa)

**Modulus of Elasticity (MOE):** 2,148,000 lb<sub>f</sub>/in<sup>2</sup> (14.82 GPa)

**Crush Strength:** 7,770 lb<sub>f</sub>/in<sup>2</sup> (53.6 MPa)

**Janka Hardness:** 1,160 lb<sub>f</sub> (5,180 N)

**Shrinkage:** Radial, 3.9%; Tangential, 7.9%; Volumetric, 11.9%; T/R Ratio, 2.0

**Appearance:** can be variable; tends to be medium golden or reddish brown, like Koa or Mahogany

**Grain/Texture:** straight to slightly interlocked; uniform fine to medium texture

**Stability:** moderate dimensional stability

**Relative strength:** strong; moderately hard and heavy

**Decay Resistance:** moderately durable, and susceptible to insect attack

**Workability:** good working characteristics with both hand and machine tools; glues, turns, stains, and finishes well; figured wood and pieces with interlocked grain can cause tear out; responds very well to steam bending

**Odor:** no characteristic odor

**Toxicity:** reported as an irritant and sensitizer

**Potency:** moderate

**Toxicity Source:** wood dust and contact with wood

**Reaction:** dermatitis, eye irritation, respiratory including asthma

**Sustainability:** not threatened; often used as alternative to Koa

**Uses:** furniture, veneer, furniture, cabinetry, musical instruments, gunstocks, turned objects, and bent parts

**Typical Cost:** expensive in US

**Comments:** name is a misnomer; wood is not at all black; rather, it's lustrous golden brown; in some regions in the world, the tree has become an invasive species; compares closely with Koa, but machines better

If you have questions about a specific wood, don't hesitate to send a note to [wood@coloradowoodworkersguild.org](mailto:wood@coloradowoodworkersguild.org).



## Sponsor's Corner

### Sponsor Profile

#### Paxton Lumber: Gain the Paxton Advantage

The Frank Paxton Lumber Company has been associated with and has supported the Guild for many years. In fact, the Guild used to hold many of its meetings in Paxton's facilities. Paxton offers specially priced wood-of-the-month to Guild members.

The Paxton Lumber Company opened for business in Kansas City, Missouri in 1914, establishing a Denver presence in 1931, and moving to its current Denver location in 1950. In addition to maintaining stores in Denver and Kansas City, Paxton has operations in Chicago, Cincinnati, and San Antonio. In 2011, the company was bought by the HDI Group ([www.hdidist.com](http://www.hdidist.com)) a company with many distribution centers throughout north America and the US. The Paxton name continues in use in the mid-America region.

The Paxton Denver Group supplies sheet goods, veneer, hardwood lumber, and mouldings. It stocks more than 50 species of hardwood, with about 15 of those being imports. When possible, Paxton buys plantation-grown wood, and their sheet goods are CARB-compliant. The entire Paxton team, which has been stable for many years, takes pride in its certification by the Forestry Stewardship Council (FSC).

Paxton's greatest challenges are customer education and sometimes, materials availability, especially when the national economy and international geopolitical situations affect it. A major part of Paxton's Denver business is industrial (selling to commercial shops) and providing custom moulding services, although the store does quite well with its retail hardwood sales. Jack Egan managed the Denver store for 20 years and has worked for Paxton for more than 40 years.

Paxton takes particular satisfaction in supplying materials to customers with complex, custom projects, particularly when those customers return after completing the project with compliments and gratitude for Paxton's assistance.

Guild liaison for Frank Paxton Lumber is Bob Kleinfeldt.

([liaison-paxtonlumber@coloradowoodworkersguild.org](mailto:liaison-paxtonlumber@coloradowoodworkersguild.org))

Store website: [www.paxtonwood.com](http://www.paxtonwood.com)

#### Frank Paxton Lumber Wood of the Month

The featured Wood of the Month for April from Frank Paxton Lumber is **four-quarter (4Q), S3S Alder**, 8 inches and wider, 7 to 10 feet in length.

As always, call 303-399-6047 for pricing.

# Membership

**Membership Problems??? Send an email to [programs@coloradowoodworkersguild.org](mailto:programs@coloradowoodworkersguild.org)**

Many of you prefer to pay by check either at a meeting or through the mail.

To support this a new web page has been added. If you go to <http://ColoradoWoodworkersGuild.org> and look under **About** you will see **Pay for Membership by Check**. Click on this and you'll be taken to a page where you can fill in your info and print the page. If you log in first, most of the info will be filled in for you. When you click Print, the info will be stored on line (so I don't have to enter it!). Mail the page to CWG with a check or take it to a meeting with a check.

**Colorado Woodworkers Guild**  
**P.O. Box 100996**  
**Denver, CO 80250**  
**along with a check for \$30.00.**

Here is the membership status as of this writing:

98 Members paid through the end of 2017 (inactive as of April 1<sup>st</sup>)

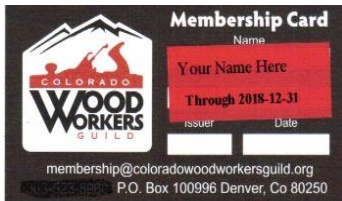
117 Members paid through the end of 2018

117 Active memberships total

Total 117 **active** memberships. What is an active membership? A membership is valid through the end of the calendar year. If you have not renewed for 2018 your membership is still considered active until April 1<sup>st</sup>, 2018. I have begun to disable memberships who have not renewed for 2018. If your membership becomes disabled and you have renewed for 2018 please let me know.

## **Now is a great time to renew your membership!**

The 2018 member cards look like this (member name/expiration in Red text on a White background). If your member card does not look like this, it is expired.



If you believe that you have renewed for 2018 and do not have a current membership card, please let me know. Send an email to [programs@coloradowoodworkersguild.org](mailto:programs@coloradowoodworkersguild.org) and I'll address the problem.

Thanks

Cary Goltermann – Assistant to the membership chair for CWG.

How can you renew? For me the best way you can renew is on-line. When you fill in one of our on-line forms

- I do not have to decipher your handwriting (no offense).
- The data is machine readable, meaning I do not have to enter it manually!

You can renew on-line, print out the form and mail it with a check or bring the form/check to a meeting.

To renew on-line and mail the form in with a check go to

<http://coloradowoodworkersguild.org/index.php/pay-by-check-member-application>

If you log in first your name address etc. will automatically be filled in! If you don't know how to log in OR are unable to log in drop me an email at [programs@coloradowoodworkersguild.org](mailto:programs@coloradowoodworkersguild.org) and I'll help you out!

***Cary Goltermann - Assistant to the Membership Chair***



## 2018 Board Members

Dale Bowlin President

[president@coloradowoodworkersguild.org](mailto:president@coloradowoodworkersguild.org)

Tom Mancuso Vice President

[vicepresident@coloradowoodworkersguild.org](mailto:vicepresident@coloradowoodworkersguild.org)

Donald Prorak Secretary

[secretary@coloradowoodworkersguild.org](mailto:secretary@coloradowoodworkersguild.org)

Chuck Hix Treasurer

[treasurer@coloradowoodworkersguild.org](mailto:treasurer@coloradowoodworkersguild.org)

Bob Kleinfeldt Director at Large

[info@coloradowoodworkersguild.org](mailto:info@coloradowoodworkersguild.org)

Michael Cunningham Classified Ads Moderator

[classifiedads@coloradowoodworkersguild.org](mailto:classifiedads@coloradowoodworkersguild.org)

Dick Dailey Hospitality & Refreshments Chair

[hospitality@coloradowoodworkersguild.org](mailto:hospitality@coloradowoodworkersguild.org)

Jim Barry Librarian

[library@colordowoodworkersguild.org](mailto:library@colordowoodworkersguild.org)

Albert Limiero Newsletter Editor

[newsletter@coloradowoodworkersguild.org](mailto:newsletter@coloradowoodworkersguild.org)

Cary Goltermann Programs Chair

[programs@coloradowoodworkersguild.org](mailto:programs@coloradowoodworkersguild.org)

Jack Brock Publicity and PR Chair

[publicity-pr@coloradowoodworkersguild.org](mailto:publicity-pr@coloradowoodworkersguild.org)

Kevin Loyd Shows and Exhibits Chair

[shows@coloradowoodworkersguild.org](mailto:shows@coloradowoodworkersguild.org)

Wilbur Goltermann Webmaster

[webmaster@coloradowoodworkersguild.org](mailto:webmaster@coloradowoodworkersguild.org)

## CWG Sponsors

The Colorado Woodworkers Guild is fortunate to have several companies as Sponsors. Our 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

**A Cut Above** 16512 Arminta Street Van Nuys, CA 91406 Phone: 800-444-2999

Website: [www.acutabove.com](http://www.acutabove.com)

**Austin Hardwoods of Denver, Inc.** 975 W. Mississippi Denver, CO 80223 Phone: 303-733-1292

Website: [www.austinhardwoods.com](http://www.austinhardwoods.com)

**Bear Woods Company** 6099 228 Street, Langley, BC V2Y 2L3 Canada Phone: 800 565-5066 Fax: 888 599-1118 Website: [www.bearwood.com](http://www.bearwood.com)

**B & B Rare Woods** 871 Brickyard Circle, Unit C4, Golden, CO 80403 Phone: 303-986-2585

Website: [www.wood-veneers.com](http://www.wood-veneers.com)

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

Website: [www.usedtoolsplus.com](http://www.usedtoolsplus.com)

**Collector's Specialty Woods** 4355 Monaco Street, Unit A, Denver, CO 80216 (this is their Denver showroom and warehouse) and 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](http://www.denverwoodworking.com)

**Mile High Tree Care, Inc.** 6010 W. 56th Avenue, Arvada, CO 80002 Phone: 303-292-9393

Website: [www.milehightreecare.com](http://www.milehightreecare.com)

**Frank Paxton Lumber Company** 4837 Jackson Street Denver, CO 80216 Phone: 303-399-6047

Website: [www.paxtonwood.com/denver.aspx](http://www.paxtonwood.com/denver.aspx)

**Reclaimed Boxcar Flooring** Phone: 303-913-6373

Website: [www.reclaimedboxcarflooring.com](http://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](http://www.rockler.com/retail/denver-colorado-hardware-store.cfm)

**Sears Trostel** 1500 Riverside Ave Ft Collins, CO 80527 Phone: 970-482-1928

Website: [www.sears-trostel.com](http://www.sears-trostel.com)

**Signature Medallions** 4218 Ponce De Leon Drive La Mesa, CA 91941 Phone: 619-303-2876

Website: [www.signaturemedallions.com](http://www.signaturemedallions.com)

**TC Woods** 5406 County Road 23 Ft. Lupton, CO 80621 Phone: 3-666-8989

Website: [www.tcwoods.com](http://www.tcwoods.com)

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

Website: [www.toolzone.com](http://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>

03/16/2018