



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

Colorado Woodworkers Guild

June 2016

President's Message

Funeral Urns Project

If you need wood with which to make one or more funeral urns, we have plenty. Contact me at

president@coloradowoodworkersguild.org



Here is the latest on the Urn project from our esteemed Treasurer, Laura Peterson:

"So far we have received 45 boxes! We are not that far along on carving/engraving them, but think we also have that part under control with some help from Milo Scott and Doug Pinney. A couple of suggestions:

Plane the boards to 5/8 or 1/2 inch because when we use the thicker wood the insides get smaller and I worry that they won't accommodate the cremains.

The urns will NOT be buried as originally understood, so the nicer and tighter the fit the better. The tops will be glued shut so this fit is important. I have been storing them with strips of fabric under the lid so they can get the lids off before they fill."



Also, here is a message from a member of the Veterans group for which we are building the urns:

"Here is a pic of the area where the cremains of our fallen will be placed. Each urn will have its own resting vault. It's going to be quite an event. It will be held on June 25th at 10 AM at Fort Logan National Cemetery. I suggest that anyone who wants to attend be there early because we are expecting a huge crowd. Bill has retained Major General Edwards as well as a complete color guard, etc. It's going to be fantastic. See you soon."



Continued on next page.

Aurora KidSpree

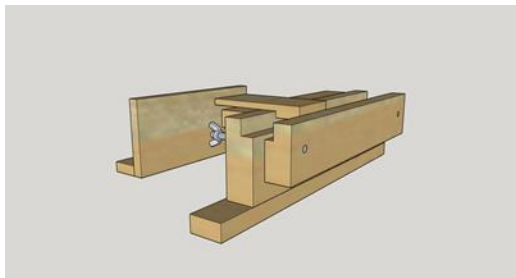
For as long as I've been involved with the guild, the Community Service committee has had a booth at the Aurora KidSpree. At the booth, kids can build a simple wooden birdhouse. A drawing for the birdhouse parts is available on our web here. A Sketchup model of the birdhouse can be downloaded here.



Dovetail Vise

At the May meeting, Mike Farrington demonstrated his method of making hand-cut dovetails. In his presentation, he used a dovetail vise of his own design. Several members asked if we could put the design for the vise on the web. To that end, I have drawn the vise in Sketchup and have placed the current version on our website.

Click on the picture, to download the plans. You need to be logged in to download the plans. To view the plans you need to have Sketchup installed on your computer



Auction

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

president@coloradowoodworkersguild.org.

Cary Goltermann - Le Président

Membership

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

Do you have issues with your CWG account at <http://coloradowoodworkersguild.org> such as

- Unable to remember your username?
- Can't remember your password?
- Want to change your username, password, address, woodworking interests or other item associated with your memberships?

These issues can now be handled on line. I am still happy to help as needed.

Click [here](#) to find instructions for all these issues and more. You do not need to log in to view this information. Take a look.

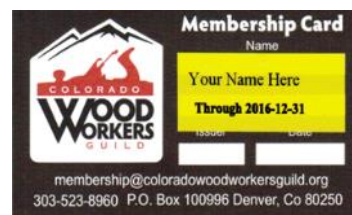
Membership status as of this writing (May 26, 2016):

80 Members paid through the end of 2015
229 Members paid through the end of 2016

229 Active memberships total

I sent out an email some time ago informing lapsed members that they were, in fact, lapsed. Many did not respond. This is normal; people move away or find that they do not wish to continue membership. Many did respond and did renew. Many said they would renew and have not. I'm not really sure how to deal with this. If you intend to renew and have not, please do so.

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.



Cary Goltermann - Assistant to the Membership Chair

April's Program

Hybrid Dovetailing

By Jim McNamee

Until you've done it hundreds of times, cutting dovetail joints by hand is tedious and error-prone. CWG member Mike Farrington showed us the way to make hand-cut dovetail joints quickly, with a minimum of fuss and slip-ups, that fit together beautifully.

Mike started by carefully measuring the thickness of the boards about to be joined and scribing a shoulder line around their ends. Layout of the size and location of pins and tails came next. It's a matter of personal preference whether to cut tails or pins first. Mike prefers to begin with tails. He used a Japanese pull saw although he said a Western dovetail saw works almost as well. The saw's thin kerf let Mike reduce the space between tails to 1-2 mm. To fit between them, pins must be comparably thin. Those thin pins are one hallmark of hand-cut dovetailing. That's because tails cut with a router cannot be closer together than the bit's shank diameter of about 8 mm.

One key to making neat joints is to keep the saw's path perpendicular to the board's face when cutting slanted tail walls. Mike demonstrated how a magnetic Veritas Dovetail Saw Guide keeps the saw perfectly aligned. With tails cut, he removed most of the waste between tails with a fret saw, taking care not to nick the walls or the scribed shoulder lines. He pared the last of the waste with a small chisel.

Next, the tail and pin boards must be aligned square and flush to each other or the joint won't fit together properly. Mike used a guide block, clamp and a Moxon-style vise to secure everything in place. With boards aligned, he used a shop-made marking knife fashioned from an old saber saw blade to scribe pin locations. Flipping the magnetic guide, Mike sawed the vertical wall on the waste side of each pin. Mike trimmed away the waste between pins with his fret saw.

When thin pins are widely spaced, flawlessly chiseling along the scribe line is a haphazard process for us non-experts. A slight slip causes straight shoulder lines to become jagged. Here's where Mike's hybrid method began.

Instead of reaching for a chisel, Mike picked up his palm router equipped with a spiral up-cut pattern bit. Each face of his shop-made vise had a rabbet wide and deep enough to accommodate his pattern bit. Mike eased the router's base along the top of the vise, which ran parallel to the pin board's shoulder line. With the bit tip set exactly on the line, its guide bearing followed pin and vise rabbet walls,

whisking away the last bits of waste. This left a perfectly flat surface for the mating tail board.

Mike Farrington showed us that the task of hand-cutting dovetails no longer has to be a slow, hit-or-miss proposition. A hybrid approach making use of two simple guides and a few common shop tools yields excellent results.



Show & Tell

We had four entries at the May 2016 meeting: two from Doug Pinney and two from Dale Bowlin. Doug's were artistic CNC carvings. Dale's were useful shop items.

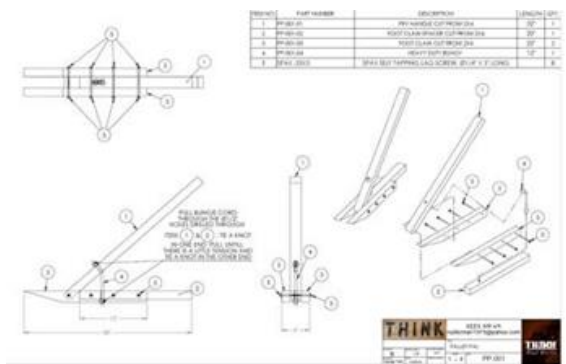
First is a plaque in cherry made by Doug to celebrate his upcoming 53rd wedding anniversary. After Doug's daughter saw the plaque in his shop, she asked if she could paint it. Here's how it turned out:



Next is a plaque in black walnut Doug made to commemorate the highschool graduation on June 2nd of one of his grandsons:



Third is a *Pallet Pal* made by Dale Bowlin. This simple device is used to deconstruct wooden pallets so the wood can be repurposed. Here are Dale's implementation and a web image of the plans. The Pallet Pal can be seen in action at <https://youtube/jkKFGIjPSvI> it is pretty amazing.



Last is a simple jig from Dale which is used to make plugs for pocket holes. If you ever assemble cabinets using pocket holes, you are left with visible pockets. Kreg sells wooden plugs which you can use to fill the holes BUT they might not be in the same material you used for the cabinet. Using this jig, custom pocket hole plugs can be made from any material you can get doweling in.

Stick a dowel into one of the Kreg screw holes and slice it off, voila' a Kreg plug.



The winner of the evening is Doug's Graduation Plaque

Cary Goltermann – El Presidente and sometimes Show&Tell writer upper

About Wood

For June, we consider **American Holly**. **American Holly** (*Ilex opaca*), is a medium-sized broadleaved evergreen tree from the family Aquifoliaceae. **American Holly** is distributed in the eastern United States from Maine to Florida, west to Illinois and southwest through Missouri and Oklahoma.

American Holly is also called Christmas Holly, Evergreen Holly, White Holly, and Prickly Holly. American Holly is the most important of 19 holly species growing in the United States.

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.



American Holly

Here is a summary of the characteristics of American Holly:

Distribution: eastern U.S. and west to Oklahoma and Texas

Tree size: 30-50 ft (9-15 m) tall; 1-2 ft (.3-.6 m) trunk diameter (quite conical)

Average Dried Weight: 40 lbs/ft³ (640 kg/m³)

Specific Gravity: (Basic, 12% MC): .50, .64

Modulus of Rupture (MOR): 10,300 lbf/in² (71.0 MPa)

Modulus of Elasticity (MOE): 1,110,000 lbf/in² (7.66 GPa)

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

Janka Hardness: 1,020 lb_f (4,540 N)

Shrinkage: Radial, 4.8%; Tangential, 9.9%; Volumetric, 16.9%; T/R Ratio, 2.1

Heartwood Appearance: very uniform, pale white color; knots are common

Sapwood Appearance: whiter than the heartwood

Grain/Texture: almost no visible pattern; interlocked and irregular; medium to fine texture

Stability: moderate

Relative strength: excellent

Decay Resistance: subject to decay and insect attack

Workability: can be difficult to work because of irregular, interlocked grain; holds screws well; glues and finishes well; if drilling, use slow speeds to prevent charring

Odor: odorless and tasteless

Toxicity: none other than standard concerns over wood dust

Potency: low

Toxicity Source: dust

Reaction: none reported (other than exposure to dust)

Sustainability: not threatened

Uses: parts of musical instruments (including organ pipes), turning, furniture accents, inlays, marquetry, and carvings

Typical Cost: high; sometimes difficult to obtain

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

Community Service

KidSpree

The Guild had another successful showing at the annual KidSpree Event sponsored by the City of Aurora. Guild members cut, drilled, shaped and assembled some 300 birdhouse kits and then helped the kids nail them together at the event. It was a great effort and a lot of fun to help the kids nail these together and watch them proudly take their newly-assembled birdhouses away with them.

A lot of effort goes in to this, and much thanks and appreciation are due to Guild members who help out with this project. This year we once again thank Jeff Roth for the use of his shop, equipment and storage space, in addition to his help with everything. Other Guild members who contributed their time and effort included Roger Abraham, Gary Glatthar, Mick Pearl, Steve Currier, Dick Daily, Bryce Slaby, Jesse Anthony, Dale Bowlin, Chris Clos, Jack Brock, John Estel, Stan Wolpert and Charlie Kuechenmeister.

Sponsor's Corner

Profile B&B Rare Woods

B&B Rare Woods is a small, locally owned company in Golden, Colorado that specializes in providing exceptional veneers for artists, craftsman and the woodworking industry. The company is owned and operated by Dave Bilger and his partner Stacy Sparkman. Dale started doing marquetry in 1975 while providing wood and veneers to others on the side. In 1980, he opened his veneer business with a partner who worked with him for a few months before leaving to pursue other interests. In 1982, Stacy Sparkman joined the company and, during the ensuing years has worked her way to becoming a full partner. B&B Rare Woods is dedicated to meeting the needs and desires of their customers for veneer. They will strive to find exactly what is requested and, if they cannot find it in either their own inventory or from their own sources, they will direct the customer to other possible sources.

Guild Liaison for B&B Rare Woods is Patrick Ahern
liaison-bandbrarewoods@coloradowoodworkersguild.org

Frank Paxton Lumber Wood of the Month

The featured Wood of the Month for June 2016 from Frank Paxton Lumber is four-quarter (4Q), S3S **Hickory**, select or better in random widths and 6 to 8 feet long.

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



2016 Guild Officers

Cary Goltermann – President

president@coloradowoodworkersguild.org

Jim McNamee—Vice President

vice-president@coloradowoodworkersguild.org



Laura Peterson – Treasurer

treasurer@coloradowoodworkersguild.org

Gary Glatthar – Secretary

secretary@coloradowoodworkersguild.org

Bob Kleinfeldt – Board Member at Large
email address pending



Guild Committee Chairs

Audio – Video – Committee

video@coloradowoodworkersguild.org

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Programs - **Vacant**

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Publicity and Public Relations - Jack Brock

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Shows and Exhibits – Kevin Loyd

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Librarian - Chuck Hix

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Refreshments – Dick Daily

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Membership – Dennis Machlica

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Classified Ads – Michael Cunningham

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Webmaster – Wilbur Goltermann

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

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

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

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

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

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>

12/09/2015

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