



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

Colorado Woodworkers Guild

September 2016

President's Message

September, fall is in the air, gardening is coming to an end for the year, and I'm spending more time woodworking.



Funeral Urn Project

We have quite a few urns queued up (40 or so) and available for the Vietnam Veterans of America when they are needed. For the long term, we will need more. If you'd like to make an urn, the instructions are on our home web page at <http://coloradowoodworkersguild.org> and we have wood available for use for this project.



Auction

On October 18th, in place of our member meeting, we will have an auction. We already have a number of items that have been donated for this and are getting more. A catalogue of auction items can be viewed at

<http://coloradowoodworkersguild.org/index.php/members-corner/2016-10-18-auction-items>.

At this writing, 36 items are listed. This is being updated every couple of days, so take a look to see the latest.

Cary Goltermann – 2016 President

Membership

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

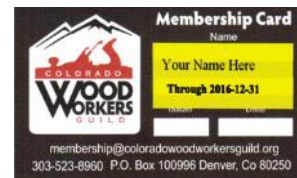
Do you have issues with your CWG account at <http://coloradowoodworkersguild.org>, such as:

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

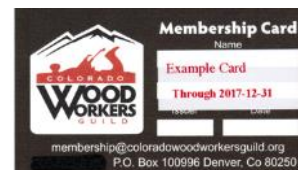
These issues can now be handled online. I am still happy to help as needed.

Go to <http://coloradowoodworkersguild.org/index.php/public-corner/faqs>. There you'll 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 (September 3, 2016) is 251 Members paid through the end of 2016.

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, your membership has expired.



Starting in November, new/renewals will begin for 2017. The 2017 membership card will look like this. Your 2016 card will still be good through the end of the year.



Cary Goltermann - Assistant to the Membership Chair

August Meeting Presentation

Dennis Scheel
Put Coopering on Your Bucket List



Dennis Scheel, a member of the Rocky Mountain Tool Collectors, is a cooper. He uses coopering skills to make water buckets, about which he is quite passionate. He also makes the occasional cask, barrel, tub, and butter churn. Dennis took us through the steps of making a water-tight wooden bucket.

Wooden vessels share three common features. Their walls are fashioned from straight or curved wooden staves. They have one or two flat ends called "heads." Metal or wood hoops compress the staves and hold the vessel's heads in place.

Wooden vessel manufacture reached a peak in the mid-1800s. Since then, wooden vessels have been gradually replaced by containers made of metal, plastic, or glass. One of the last bastions of wooden barrels are the wine and distilled spirits industries. Oak wine and whiskey barrels are still used to age these liquids because they impart characteristic color, flavors, and aromas to their contents.

Dennis demonstrated how woodworkers of the 19th century made a wooden bucket. The first step is to choose the wood. Dennis prefers cedar fence posts because they are inexpensive, readily available, and can be easily split with a froe to yield straight-grained pieces. Straight-grained wood is strong, attractive, and easy to work. Scheel shapes the faces of each bucket stave with curved draw knives to give them a profile matching the desired diameter. He planes the edges of each stave to make them narrow at the opening of the bucket and wider at the bottom. As he tapers them, he bevels the stave's edges so they become perpendicular to the faces. That way they'll fit together snugly and form a water-tight seal.

Dennis arranges 12 upright staves into a circle and cinches them firmly in place with temporary metal hoops. He levels stave ends and begins smoothing the joints where the staves' edges meet. Dennis employs a one-handed scorp to smooth the inside bucket surface as well.

A special plane, the hawksbill croze, cuts a dado near the bottom of all the staves. The plane's large semicircular wooden fence guides the hawksbill cutter around the inside of the bucket parallel to the ends of the staves. Coopers refer to this dado as the croze. The croze will house the bucket's head. Scheel fashions the bucket's bottom head from a

solid board. He feathers its edges so they fit neatly into the croze. Dennis loosens the bottom hoop and coaxes the head into place. Then he replaces temporary hoops with permanent ones, repeatedly pounding them down, thus cramming stave edges together and snugging them up around the head.



Upcoming Meetings, Classes, and Events

There are a couple of events I'd like to talk about. First is the upcoming auction:

We will have an auction at our October 18th meeting. We already have a number of donations to this event, that I'm still in the process of organizing. You may view a catalogue of the current auction items at

<http://coloradowoodworkersguild.org/index.php/members-corner/2016-10-18-auction-items>.

You'll need to be logged in to access this list. As always, if you have any trouble logging in, please let me know.

If you have any items to donate to the auction, please let me know or just bring them to the September meeting.

Also, I could use some help running the auction itself. We'll need a couple of spotters, some people to record sales, etc. If I could get six to eight volunteers for the evening, that would be great.

Second is the upcoming Rockler Exhibition:

For the past several years, Rockler has held an exhibition of the work of the various guilds that meet in its basement. This year it will be held on October 22-23 and October 29-30. We could use your help in a couple of ways:

Could you loan us a sample of your work that would be put on display in Rockler's basement?

Are you interested in doing a demo? Last year we did demos in Rockler's basement. Unfortunately, very few ventured into the basement. This year, I'm trying to arrange some space upstairs for demos. I'll be out of town for the weekend of the 29-30 so I'm arranging demos only for October 22-23.

Here are the upcoming events, copied from the Guilds website. To view the latest information any time, go to

<http://coloradowoodworkersguild.org>

and scroll to the bottom of the page. The information there will likely be more up-to-date.

September 20, 2016 - A few months ago Kevin Loyd and Dennis McCaigue gave us a demo on sharpening. The September meeting will have a presentation on the construction of wooden planes, during which Kevin will talk about building a Kren-

ov style plane and Dennis will talk about building a European horn plane.

October 18, 2016 - Guild Auction. We didn't have an auction in 2015 and unfortunately ended up spending more for the year 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.

October 22-23 and 29-30 - Rockler Guild Exhibition. This has been an annual event for the past couple of years. We will have a presence there on October 22nd and 23rd. Perhaps you can help. I'm looking for various mini demos for this event. **November 15, 2016** - Unfortunately the November Presentation has hit a snag.

December 10, 2016 - Guild Holiday Party! We are holding the party at a different location this year. The cost of the previous location has essentially doubled. Our secretary, Gary Glatthar, has arranged for us to use the hall at his church for NO cost!. The party will be held at Cloverdale Church Of God 5705 West Louisiana Ave Lakewood, CO 80226 More information will be posted as we approach the event!

January 17, 2017 - Dan Rieple of Fine Ideas Furniture will give us a presentation. The topic of the presentation has not yet been decided. [Click here](#) to go to Dan's web site and see some of his work.

February 21, 2017 - This presentation is being planned.

Cary Goltermann – President and Programs Chair

About Wood

This month, September 2016, we consider the **Common Apple**. **Apple** (*malus sylvestris*), is a small to medium tree from the family Rosaceae, the rose family. **Malus sylvestris** was introduced into Britain by the Romans and is now found throughout the world. There are many species and thousands of varieties. The **Apple** tree is found worldwide in temperate zones and at the higher elevations in tropical areas.

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.

Here is a summary of the characteristics of the **Common Apple**:

Distribution: throughout temperate United States

Tree size: 13-30 ft (4-9 m) tall; 1 ft (.3 m) trunk diameter; trees in the wild may be larger

Average Dried Weight: 52 lbs/ft³ (830 kg/m³)
Specific Gravity: (Basic, 12% MC): 0.61, 0.83

Modulus of Rupture (MOR): 12,800 lbf/in² (88.3 MPa)

Modulus of Elasticity (MOE): 1,270,000 lbf/in² (8.76 GPa)

Crush Strength: 6,030 lbf/in² (41.6 MPa)

Janka Hardness: 1,730 lb_f (7,700 N)

Shrinkage: Radial, 5.6%; Tangential, 10.1%; Volumetric, 17.6%; T/R Ratio, 1.8

Heartwood Appearance: light reddish or grayish brown to a deeper red/brown; can have darker and lighter bands of color

Sapwood Appearance: pale cream color

Grain/Texture: grain is straight with a very fine, uniform texture

Stability: high shrinkage rate; large amount of seasonal movement; season the wood in steps to minimize later movement

Relative strength: excellent

Decay Resistance: non-durable for heartwood decay

Workability: somewhat difficult due to high density; burns easily when machined; glues, stains, finishes, and turns well

Odor: faint sweet scent when worked

Toxicity: none

Potency: very low

Toxicity Source: dust, as for any wood

Reaction: none

Sustainability: not threatened

Uses: fine furniture, tool handles, carving, mallet heads, turned items, musical instruments like dulcimers

Typical Cost: not widely available except in apple growing regions; expensive and usually only available in small sizes

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



Sponsor's Corner



A Cut Above Distribution Company

A Cut Above Distribution Company shipped its first order in 1991 and 25 years later the company continues to offer a complete and competitively priced line of abrasives, diamond, and safety products nationwide. In the beginning, Danny Straus and Gary Lerner decided to mould Pearl Abrasives into a local distributor of products that everyone wished they had. They sought to create a source of knowledge and friendly sales and technical help that included guidance and insight on the best application of products as well as an introduction to new products. They strive to provide the best quality products at some of the best prices in the country. A Cut Above is a mail order and on-line business with both a printed and on-line catalog serving more than 10,000 customers worldwide. Despite the lack of face-to-face contact with customers, they routinely hear that their customers receive better service from than from local suppliers.

Danny and Gary first met during summer camp experiences as boys. Danny went off to University of California-Berkley to study economics while Gary studied at the University of Arizona. Their friendship led them to A Cut Above in Van Nuys, California. Between them, they can claim more than 50 years of combined experience in the use of abrasives. Danny, Gary, and their support staff are available by telephone and email to provide guidance to the perfect product. Their on-line catalog shows only a small sampling of items from their fully stocked warehouse.

The company now carries A Cut Above-labeled products that they believe offer the best mix of quality and value anywhere in the country. They are constantly searching for the world's best manufacturers to include in their house brands. As a result, their catalog continually changes to include new products and manufacturers.

A Cut Above has been a Guild sponsor for a number of years and, through the efforts of liaison Stan Wolpert, it is well known to members. You can reach Stan at: liaison-acutabove@coloradowoodworkersguild.org

Store Telephone: (800) 444-29 Monday-Friday 8:30 AM to 5:00 PM PST

Store Website: www.acutabove.com

Frank Paxton Lumber Wood of the Month

The featured Wood of the Month for September from Frank Paxton Lumber is four-quarter (4Q), S3S Select Hard Maple in random widths in 6- to 8-foot lengths.

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

Classes - **Vacant**
classes@coloradowoodworkersguild.org

Community Service - Charles Kuechenmeister & Jeff Roth
community-service@coloradowoodworkersguild.org



Newsletter Editor – Al Limiero
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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
shows@coloradowoodworkersguild.org



Librarian - Chuck Hix
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Refreshments – Dick Daily
hospitality@coloradowoodworkersguild.org



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