



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

Colorado Woodworkers Guild

February 2015

Presidents Message

At the January meeting we had signup sheets for 15 classes. The response was very positive. We also have an on-line survey for the same set of classes. So far we have had 70 members provide input for these classes. We are busy setting up schedules for these. If you did not attend the January meeting, consider looking at the on-line version of the signup sheets. We are still organizing things, so you can still get involved in taking one or more of our classes.

I recently sent out an email requesting your participation in a survey to help determine which members would help in defining classes, seminars and monthly programs. So far we have had 37 responses or about 13% of our members. Of these 16 have indicated a willingness to be involved in helping determine what

Classes

Monthly Programs

Annual (or semi-annual) seminars

We will offer. I expect that most of this "committee" activity will be conducted via email.

Please log in and take the survey, even if it is only to say you are unable to help with this. It's only 4 yes/no questions. To do this:

Go to <http://coloradowoodworkersguild.org>

Log in with your username and password (if you have problems with this, let me know).

On the right hand side under **Members Corner** click on

2014-12 Member Participation Survey

Answer the 4 questions by clicking on the yes or no button.

Scroll to the bottom of the page and click the save button

Please take a few minutes to do this. If you cannot help that's fine but I'd like to know that most members are at least looking at this.

That's all for now.

Cary Goltermann - El Presidente



Membership

Hello members. Our member info was spread over two different databases on our web site. One was for login maintenance, the other for user information, address, email, phone etc. Our webmaster, Wilbur, has recently consolidated these into one. I am working to move user info from one to the other. Here are the stats at this writing

291 Active members

146 Paid through 2015-12-31

145 Expired on 2014-12-31 (these become lapsed members after March 31, 2015)

If your membership card does not look like the one below, your membership probably expired on December 31, 2014. Renewal is simple, there are instructions on our web home page (<http://www.coloradowoodworkersguild.org>).



Cary Goltermann - Assistant to the Membership Chair

Classes

At the January meeting, Stan put out signup sheets for 15 classes. The intent is to gather information about classes the guild might offer. The response was pretty amazing, it's clear that many members want us to offer classes. This *Class Survey* can still be filled out on the web, simply:

Go to www.coloradowoodworkersguild.org

Login with your username and password.

On the right hand side, under Members Corner, click on *Class Interest Survey* you'll be taken to a form with 16 classes for which you can indicate yes or no.

Filling this out would only take a couple of minutes. To clarify, you are not signing up for a class just indicating your interest with a yes or no.

If there is a class which is not on the list, send an email and we'll look into it. If you have any difficulties logging in, let me know and I'll find a solution to the problem.

First Class of the Year

On Saturday February 7th, the guild's first class of 2015 was held at Stan's shop. Following that Stan received this email and forwarded it to me

Dear Stan,
I'd just like to thank you for a wonderful class and a wonderful day. What a privilege it was to learn from you! As I mentioned, I took part of FW 101 at Red Rocks Community College, and spent hours and hours sharpening chisels with water stones. It was Hell. But it wasn't just the substance of your class that I enjoyed. It was your kindness, your generosity and your patience. It was day to remember! I'm really grateful to you, and the camaraderie was also heart-warming.

This is typical of the sorts of responses we get from many of Stan's classes.

Cary Goltermann - President and part time assistant to the Class chair.

February Presentation

After an old school presentation in January we are moving to the 21st century with a presentation on CNC Routers. Some might argue this is not woodworking. Others might say this is (one of the) futures of woodworking. I'm in the middle. These are interesting machines. Whether you have or want one in your shop is another issue. They are expensive and take room. In any case I suspect the presentation will be interesting. The presenter is Joe Wainwright. Joe demos these machines and their software for Rockler. There will be a demo of the machine itself and the software. With the software running on the big screen displays, the machine on the workbench and Joe's knowledge of the tool, this should be an interesting presentation. Please join us on February 17th at 6:30 PM for this presentation. Here is a list of resources which might be of interest if you are interested in CNC Routers.

Vetric:

Download Free Trial Software (Vcarve_Pro, Cut3D, Cut2D and Aspire):

<http://www.vetric.com>

Manufacture of the CNC Shark:

<http://www.nextwaveautomation.com>

3D Vector Art:

Download Free Trial Software (3d Machinist):

<http://www.vectorart3d.com>

Precise Bits (Purchase very small cutting bits and Palm Router Collets)

January Presentation

The January presentation was on Hand Planes, their use, how to set them up, why you need one or more hand planes. Stan Wolpert and Doug Pinney, both with ample knowledge on hand planes, put on the presentation. Stan did the talking and Doug demoed actually using the planes.

Stan talked about:

- The history of planes.

- What types of plane there are (literally dozens of different planes)

- Why you need a plane

- How to set up and use a plane

While Stan was presenting, Doug demoed the use of several different planes. When I started with the guild, I had a couple of planes which mostly went unused. I found them difficult to use and frustrating. I took Stan's Plane Restoration and sharpening class. After setting up my number 3 and sharpening it. It's a pleasure to use. I've since acquired several more planes. The number 3 has taken back seat to a number 4 (same size but a little wider). My 1980s vintage Stanley block plane has gone from almost useless to one of my favorite tools. I have several others which I use often but the #4 and the block plane are used almost every time I do something in the shop. If you do not have a plane or have a plane which doesn't work well, takes Stan's plane restoration class. I'd be surprised if you did not end up with a favorite tool. On the guilds web site is a document about planes which Stan prepared years ago.



Plane awarded to Stan for his work on designing the
"Restoring old Hand Planes Class"

And

"The Care and Use of Hand Planes" Presentation"

[Click here and login to see Presentation video](#)



January Show and Tell

The January Show and Tell had the largest number of submissions we've seen in a long time with nine members bringing items in to display.

Scott Roth brought in several examples of his parquetry work. The unique aspect was these were adhered to magnets. Specifically, Scot noted the use of refrigerator magnets from insurance agents and plumbers that were especially useful and provided the magnets a second life.

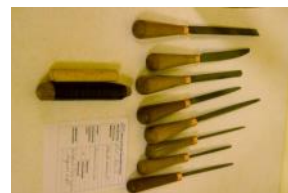
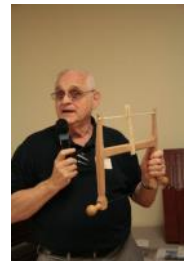
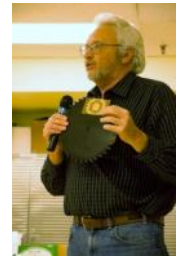
Chris Woychak brought in a small side table top that he made of white oak. The top was carved with the Air Force Academy logo and painted with milk paints that Chris mixed to appropriate color.

Al Limiero brought in a bow saw that he made from a kit. The kit included the brass bits and blade with the wood frame being selected from Al's personal stock. One thing of note was that the tensioning string was actually cable tie he acquired during his time at Bell Labs and is exceptionally suited for the task.

Doug Pinney who brought in two photos of his work. One photo was of a set of front doors that were a towering 10 feet in height. They were both carved inside and out and included two sidelights and an arched transom. Doug's other piece of handy work was a pair of 10 foot tall cabinets flanking a matching bench. The entire set was made of beech and painted with black milk paint and lacquer.

Bill Knoll brought in a couple of sets of submission with the first being a collection of saw files that he inherited and some juggling pins. The files he brought have all been re-handled with walnut he cut down a decade before with copper pipe ferules. Bill's antique style juggling pins were turned from mulberry, which came from Kansas. Bill's son needed these for a project and found that the originals were well beyond his budget. Bill and his son finally came to a conclusion of which diameter had the best scale, which meant Bill's set has no two pins that are the same.

Continued on next page



Horace Brown brought in a beetle kill pine bench that he made in the unfinished log style. This was a collaborative project as his wife drew the buffalo and mountain scene on the seat.



George Redding brought in an old style chest that he made in a more period accurate fashion, clenched nails. George's chest was made with hand tools and the red milk paint helped to set off the texture left by the hand plane. Additionally, the lid had a nice place to sit in an upright position without the use of hinges.



The winner of the night was

Randy Sanders who brought in a walnut cradle he made for his grandchild. It was Randy's first attempt at furniture and as soon as it was finished it left the state for two years. Recently, his son relocated with his family to Colorado and brought back the cradle. Made in a classic side rocker style I am sure the baby slept better because of it.



Thank you all for your submissions to the show and tell. Remember that the show and tell is open to all so bring in your projects or cool things to share and show and tell everyone about.

Kevin Loyd Shows & Exhibits

Sponsors Corner

Sponsor Profile: Denver Woodworking Company

The **Denver Woodworking Company** began operations in February 1978. Charlie White started the company after a nine year initiation making sofa frames. His company began small, but has now grown to 6 employees and 12,000 square feet of space. Denver Woodworking is a job shop excelling in specialty commercial production. Most of their work is for commercial establishments where jobs range from one-off custom pieces to production runs of 1,000 or more. He remembers one job that required the delivery of 120,000 pieces. Examples of Denver Woodworking Company work include the conference table, custom railing, finely machined detail (see the floret), and the “digital” dragon.

Some of Charlie’s biggest challenges are keeping up with fire and OSHA regulations and of course, preparing proposals for jobs. He has been successful in simplifying the proposal process so it is not so onerous. Charlie has continued to expand the business over the years. He is especially proud of his large scale CNC router and hopes to add an even larger system with four axis capability.

Charlie likes to interact with customers as his company works to meet their needs. He is particularly fond of the time when a woman called to order a table. Charlie asked “how long would you like to have the table legs.” The woman replied, “long enough to reach the floor.” As we all know, good communication is critical in the customer-worker interaction. Frequently the worker is required to educate and guide the customer.

The Guild is pleased to have the Denver Woodworking Company as a sponsor and looks forward to a strong and mutually beneficial relationship.



Frank Paxton Lumber Wood of the Month

The featured Wood of the Month for February 2015 from Frank Paxton Lumber is Birch. The wood is available four quarter (4Q), surfaced three sides (S3S), and in random widths and lengths. As always, call 303-399-6047 for pricing.

About Wood

For this month, we look at **Yellow Birch** (*Betula alleghaniensis*). Birch (*Betula* spp.) consists of 30 to 50 species growing in Asia, North America, and Europe. The species important to us in North America are yellow birch, sweet birch, and paper birch.

Before we get to the characteristics of this common birch, let us once again define one of the terms used to describe woods; in this case, that of Janka Hardness. Measures of Janka hardness help us to describe “how well a wood will withstand dents, dings, and wear—as well as indirectly predicting the difficulty in nailing, screwing, sanding, or sawing a given wood species.

The actual number listed in the wood profile is the amount of pounds-force (lbf) or newtons (N) required to imbed a .444" (11.28 mm) diameter steel ball into the wood to half the ball's diameter. This number is given for wood that has been dried to a 12% moisture content, unless otherwise noted.

For reference, white oak has a Janka hardness of 1,360 lbf (6,000 N), while the super-hard lignum vitae has a hardness of an astounding 4,500 lbf (20,000 N). (Who could imagine a wood species that is over three times harder than White Oak?) On the lower end of the spectrum, basswood has a hardness of around 410 lbf (1,800 N).” (from Eric Meier's The Wood Database)

If you have questions regarding a specific wood, contact wood@coloradowoodworkersguild.org.

Yellow Birch

Yellow birch, sweet birch, and paper birch are harvested commercially in North America and are widely available.

Here is a summary of the characteristics of **Yellow Birch**:

Distribution: principally in the Northeastern and Lake States with some also along the Appalachian Mountains to northern Georgia

- Tree Size: height of 70 ft. and with a diameter of more than 2 ft.
- Average Dried Weight: 43 lbs/ft³
- Specific Gravity (Basic; 12% moisture content): 0.55, 0.69
- Modulus of Rupture (MOR): 16,600 lbf/in² (114.5 MPa)
- Modulus of Elasticity (MOE): 2,010,000 lbf/in² (13.86 GPa)
- Crush Strength: 8,170 lbf/in² (56.3 MPa)
- Janka Hardness: 1,260 lbf (5,610 N)
- Shrinkage: Radial, 7.3%; Tangential, 9.5%; Volumetric, 16.8%; T/R Ratio, 1.3
- Heartwood Appearance: light reddish brown
- Sapwood Appearance: nearly white
- Grain/Texture: generally straight or slightly wavy grain; fine, even texture
- Stability: Low
- Relative Strength: Moderate, 19-22.9
- Decay Resistance: poor if exposed to the elements; susceptible to insect attack
- Workability: machines well; fair for nails and screws; gluing somewhat difficult, finishes well
- Odor: No characteristic odor
- Toxicity: Sensitizer
- Potency: Moderate
- Toxicity Source: Wood, Dust
- Reaction: dermatitis and respiratory
- Sustainability: Not listed as threatened
- Uses: furniture, cabinetry, interior joinery, turning, upholstery frames, flooring, violin bows, crates, cooperage, plywood, and veneers
- Typical Cost: \$2-4.00 / bd ft

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

SANDPAPER ORDER

At the January meeting, I handed out sandpaper order forms, please bring those forms and a check made out to Stan Wolpert to the February meeting. I will place the order and will deliver the paper at the March meeting. For those members who were not at the January meeting I will hand out order forms. Members can get together to order the PSA rolls.

CLASSES

For those members that signed up for Woodworking 101, Finishing, or Band Saw boxes we need to receive payment at the February meeting.

The dates of the classes are:

Band saw box March 7th & 28th May 2nd-9th, 16th & 23rd.

We can only handle six people per 2 day session, the first six people that pay will take the class.

The Woodworking 101 class will be April 4th.

The maximum we can handle is 12 people.

The Finishing class will be April 11th, 18th & 25th.

The cost is \$160.00 we can only handle 16 people, so the first 16 people that pay will take the class.

Stan Wolpert

2015 Guild Officers

Cary Goltermann – President

president@coloradowoodworkersguild.org

Bob Kleinfeldt – Vice President

vice-president@coloradowoodworkersguild.org

Mark Childs – Secretary

secretary@coloradowoodworkersguild.org

Laura Peterson – Treasurer

treasurer@coloradowoodworkersguild.org

Guild Committee Chairs

Vacant – Programs

programs@coloradowoodworkersguild.org

Kevin Loyd – Shows and Exhibits

shows@coloradowoodworkersguild.org

Dennis Machlica - Membership

membership@coloradowoodworkersguild.org

Charles Kuechenmeister & Jeff Roth – Community Service

community-service@coloradowoodworkersguild.org

Roger Abraham – Library

library@coloradowoodworkersguild.org

Lindy Baer – Publicity and Public Relations

publicity-pr@coloradowoodworkersguild.org

Al Limiero – Newsletter Editor

newsletter@coloradowoodworkersguild.org

Wilbur Goltermann – Webmaster

webmaster@coloradowoodworkersguild.org

Vacant - Merchandise:

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 showroom and warehouse)

Phone: 720-278-7797

Website: www.cswoods.com

Collector's Specialty Woods

8055 County Road 570
Gardner, CO 81040

(this is their southern Colorado wood yard, kiln drying facility, woodshop, and another showroom)

Phone: 800-746-2413

Denver Woodworking Company

2062 S. Bannock Street
Denver, CO 80223

Phone: 303-733-3130

Website: www.denverwoodworking.com

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

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