



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

Colorado Woodworkers Guild

June 2022 Newsletter

President's Corner



Dennis Edmonds, President

Mentoring is personally transferring knowledge and skills to someone else. A mentor is an experienced and trusted advisor who offers guidance, motivation, emotional support, and role modeling for a mentee.

Seven roles for a mentor are:

- Teacher
- Sponsor
- Advisor
- Agent
- Role Model
- Coach
- Confidante

I once asked a senior executive “Have you ever had a mentor?”. After a brief pause, he responded, “No, I had many. I learned from everyone I worked with including supervisors, peers, and subordinates”.

Each of us has had mentors in one-on-one sessions, distance mentoring in different places or in group settings. Mentors included family members, friends, neighbors, teachers, demonstrators, and coaches. In each case they helped us grow our knowledge and skills. Sometimes the mentoring went well beyond the knowledge and skills being taught.

Each of us has had different experiences. Most of us have shared our knowledge and experience informally as a mentor and we found personal satisfaction in helping others grow.

My objective here is to encourage you to become more active as a mentor. Find a way to share what you have learned with others. Helpless experienced woodworkers develop their knowledge and skills. Sometimes it often takes only a small amount of your time.

Some key mentoring tips

- Let the mentee be the driver of the relationship.
- They should identify which knowledge and skills they want to improve and set their own goals
- Assess the knowledge, skills, and attitudes of the mentee
- Allow them to fail at times
- Challenge them

- Be available when you say you will
- Recognize their accomplishments
- Tailor sessions to the needs of the mentee.

Here are a just few ways you can mentor others:

- Answer questions, demonstrate a skill, and let a friend or neighbor try it
- Help a child to build a project they want to build
- Teach a class
- Make a presentation
- Share a show and tell project
- Invite a guild member to your workshop or go to theirs to build something together

The important thing is to actively look for opportunities to share what you have learned.

Dennis Edmonds, President

Show and Tell

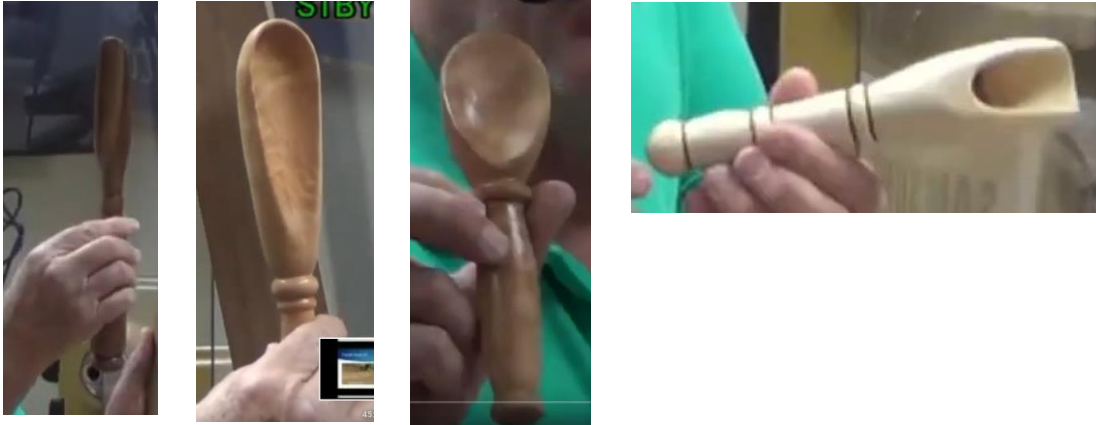
The show and tell items at the May meeting included entries from 4 members. **If you were unable to attend the meeting, either in person or via Zoom, I've added a UTube link to the start of each S&T presentation below. You have to "right-click" the link following each presenter's name below and select "Open Hyperlink" to get to the UTube video. This allows you to see all details of each S&T in much greater detail than could be described here in the newsletter in just words. NOTE: Each link starts with each S&T presenter's description of their project, but then continues on with the video of the rest of the meeting, so you should stop after each presenter is done and move to the next link below to see the beginning of the next S&T presentation.**

I was not at the meeting due to covid, so the info here was extracted from the meeting video.

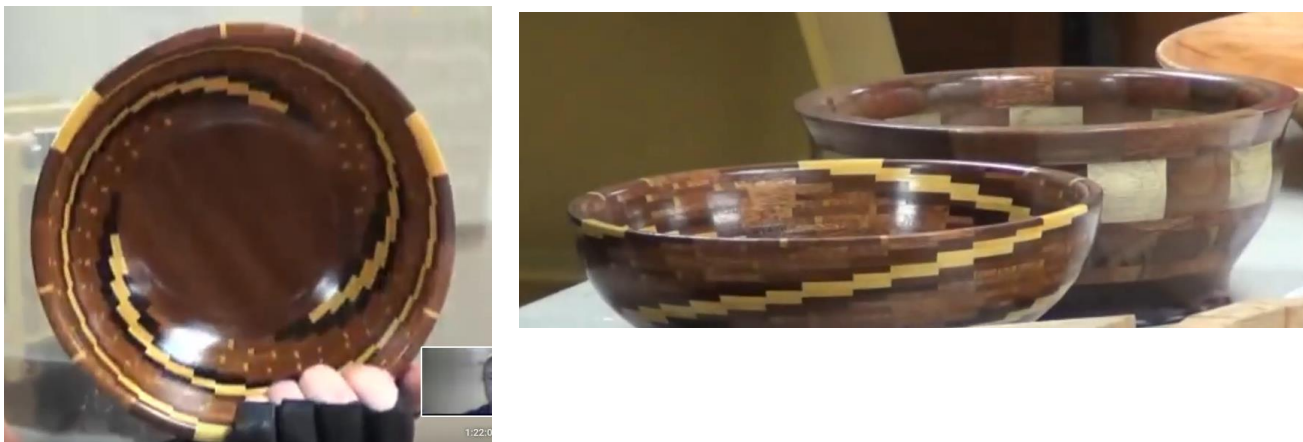
Scott Roth [Taking Flight](#) Sculptured Marquetry



Dennis Edmonds Wooden Spoons Carved from “there are no scraps” scraps.



Larry Hughes Inuit Bowls Segmented turning in Mahogany, Yellow Heart and Poplar



Greg Livingston Turnings a Hollow Form in Ambrosia Maple and a Platter in Figured Maple



The winner of the evening was Larry Hughes and his segmented Inuit bowls.

Thanks to all who participate. Please consider sending me some pictures prior to the next meeting. Include a brief description of the project and a couple of pictures. If possible, get them to me a week before the meeting so I can prepare for the meeting itself. I can be reached at showandtell@coloradowoodworkersguild.org
Thanks, and hope to see you at the June 2022 meeting,

Cary Goltermann, Show and Tell Administrator

Meeting Presentations

May 2022 Meeting

On May 17, 2022, we were honored to have an on-line guild presentation by **Mr. Ralph Bagnall**, an author, CNC expert and specialist in 3D solid modeling. He hosts a website for woodworkers at www.woodcademy.com. Mr. Bagnall is also a speaker at many events, including the International Woodworking Fair and the Virtual Wood Show.

Mr. Bagnall discussed the value of using CNC-operated routers in the shop. Most existing router bits, those without guide bushings, can be used in the CNC. Use longer bits for thicker woods and shorter bits for cleaner cuts.

The primary rules are the following when doing CNC

1. Feeds
2. Speeds (of rotation)
3. And 3, Chip load.

He discussed tool path options

1. Profile, used for cutting parts out
2. Pocket tool path
3. V carving tool path
4. Ramping-

Mr. Bagnall discussed the type of CNC to buy for different applications and the different things to consider when buying. He likes the Shark CNC that Rockler sells and considers the Axiom a very good tool as well. A short discussion ensued on air versus water-cooled spindles.

Software was also discussed. He recommends the V Carve program, which runs \$150-\$175. There is also a Fusion 360 program that is free to educators and students.

NOTE: If you were unable to attend the meeting, either in person or via Zoom, or want to re-view Mr. Bagnall's entire videoed presentation, with his PowerPoint slides on CNC techniques with embedded videos, it can be viewed online at the guild's website. You must be a CWG member and sign in to your CWG account, open the Member Pages menu item, select the Videos subitem, then the Meeting Videos subsubitem, and then the June meeting video. His presentation begins at just after 31 minutes into the meeting video.

June 2022 Meeting

On June 21, we have the pleasure of hosting the owners of our newest guild sponsor, the furniture manufacturer and lumber provider **Where Wood Meets Steel** and their other business, **Denver Wood Slabs**, husband and wife team **Ryan Dirkson and Marina Chotzinoff**. They will be talking about what products and services they can provide to our members at a 10% discount, and they appear to be able to supply locally sourced slabs. I've asked them to bring some samples of their work to this meeting, along with slides.

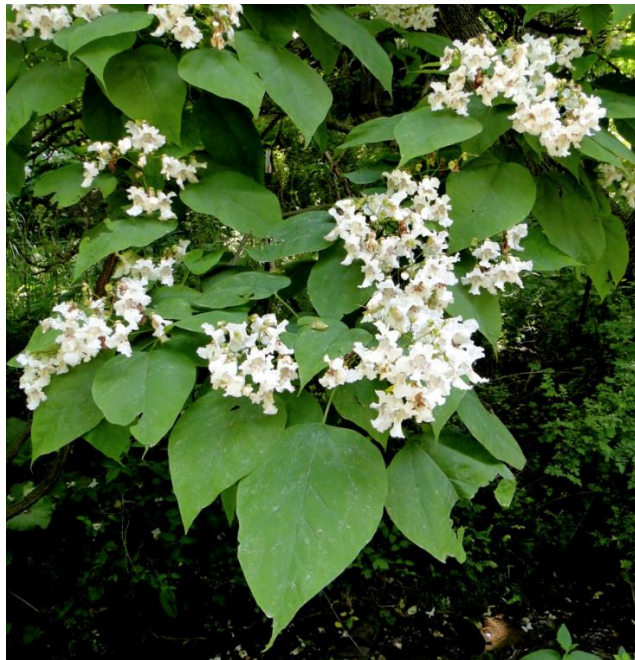
Mike Zelman, Programs Chair

About Wood

This month of June 2022, we consider **Catalpa**. The most common Catalpa is northern catalpa with the scientific name **catalpa speciosa**. The original distribution of northern catalpa was in a restricted region along portions of the Ohio and Mississippi rivers from Louisville to Memphis. However, the tree has been naturalized throughout much of temperate North America, especially as an ornamental in landscaping because of its flowers. There are eleven species worldwide with two in North America (northern and southern). Catalpa is thought by many to be an underrated hardwood.



Tree, Leaf and Flowers



Closeup of flowers & Leaves



Catalpa Logs



Sawn Catalpa Slab

As 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.

Catalpa

Catalpa species is the main species available in North America and is harvested irregularly throughout its range. Other names include **indian bean** and **cigar tree** (because of the seed pods).

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

Distribution: Especially Eastern North America, including the more temperate parts of Canada

Tree size: 50-100 ft (15-30 m) tall; 2-4 ft (0.6-1.2 m) trunk diameter

Average Dried Weight: 29 lbs/ft³ (460 kg/m³)

Specific Gravity: (Basic, 12% MC): .38, .46

Modulus of Rupture (MOR): 9,400 lbf/in² (64.8 MPa)

Modulus of Elasticity (MOE): 1,210,000 lbf/in² (8.35 GPa)

Crush Strength: 2,740 lbf/in² (18.9 MPa)

Janka Hardness: 550 lbf (2,450 N)

Shrinkage: Radial, 2.5%; Tangential, 4.9%; Volumetric, 7.3%; T/R Ratio, 2.0

Heartwood Appearance: Neutral grayish tan to rich golden brown; mostly heartwood

Sapwood Appearance: Only narrow band of pale gray; resembles ash

Grain/Texture: Straight with open, coarse texture

Stability: Excellent; seal end grain well when seasoning to avoid checking

Relative strength: Low; soft, weak and brittle

Decay Resistance: Very good, including when in contact with soil

Workability: Easy to work with; soft and light; good for carving and turning; glues, stains, and finishes well; care must be taken when sanding because the early wood will disintegrate; may require pore filling for smooth finish

Odor: Faint, spicy odor

Toxicity: Can be a skin irritant

Potency: Low

Toxicity Source: Dust

Reaction: Skin and some respiratory

Sustainability: Available on irregular basis; not threatened

Uses: Fence posts and rails; limited for carving, turning, and cabinetry

Typical Cost: Low to moderate price

Comments: In North America, there are two species, Northern and Southern. The genus gets its name from the Catawba Indian tribe. A popular ornamental tree with showy flowers, broad leaves, and bean-like fruit. Sometimes referred to as Indian bean tree or the cigar tree. An underrated hardwood and not often in lumber form. Unlike other carving woods like Butternut or Basswood, Catalpa is resistant to decay and can be used for outdoor carvings. Possesses excellent stability.

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

Lindy Baer, Newsletter Woods Contributor

Toolbox Alerts

Rockler

- The Rockler June Catalog lists some new Rockler innovation items, to include ready mount dust fittings, a Clamp-it corner clamping jig sets, a marking gauge tool, one-hand clamps and a few other items. Sale prices are valid from 3-30 June 2022.

Woodcraft

- For the month of June Woodcraft has some great 50% off savings on a WoodRiver brad-point drill set and African Olivewood boards, and good savings on a carving vice and a gooseneck work light.
- In June and July Woodcraft continues to offer numerous in-store classes.

[Editor's Note: We are looking for inputs from members each month on great woodworking tool and accessory deals that you are aware of and that are available sometime in the next month or so. The input should include a short description of the item(s), where they can be purchased with web address or location and phone info, price, and any info on your experience with the item(s). Items can include excess tools and items you want to get rid of. Call me at (719) 964-9570 if you know of an item and then I will ask you to submit a descriptive paragraph to me at JoeLenhoff@gmail.com, or to newsletter@colowood.com to add to this column. Toolbox Alert descriptions will have to be to me about 9-10 days before each meeting to get them into the newsletter.]

Sponsor's Corner [A revived column]

[Editor's Note: We are looking for a monthly spotlight on a sponsor. Any members who know one or any of our sponsors fairly well, and would be interested in writing a short piece about them, please contact me at newsletter@colowood.com. Again, Sponsor Corner spotlight articles will have to be to me about 9-10 days before each meeting to get them into the newsletter.]

CWG Sponsors

A Cut Above 16512 16512 Arminta St. 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

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

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

Website: www.wood-veneers.com

Bridge City Tool Works, Harvey Industries International DBA Harvey Industries, 10830 Ada Ave, Montclair, CA. 91763. Phone: (800) 253-3332. Website: <https://www.bridgecitytools.com/default/> . Questions or comments to sales@bridgecitytools.com. Please allow up to 2-4 business days for email and phone call responses. Two orders per year (to be determined) and must be shipped to one address. 10% discount, when ordered directly from Bridge City Tool Works. Discount does not apply when ordered through dealers

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

Website: www.usedtoolsplus.com

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

Website: www.denverwoodworking.com

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

Website: www.milehightreecare.com

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

Website: www.paxtonwood.com/denver.aspx

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

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

Website: www.sears-trostel.com

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: 303-666-8989.

Website: www.tcwoods.com

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

Website: www.toolzone.com

Where Wood Meets Steel & Denver Wood Slabs, 4903 Washington Street, Denver, CO 80216. Phone: 720-780-7752. Websites: www.wwms.net & www.denverwoodslabs.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>

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