



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

Colorado Woodworkers Guild

July 2021 Newsletter



President's Corner

Wilbur Goltermann, President

We will be hosting our last Zoom-only meeting on July 20th at 6:30 PM. See Mike Zelman's Programs article in this newsletter for details on the meeting.

As of our August meeting, we will be moving our meetings back to Rockler's basement, and as I am moving to Mexico on August 3, and because we will not have a Zoom presence at the live meeting, I will be unable to conduct that meeting, and will have to rely on The Guild VP, Devon Lindsley, to fill in for me.

You probably already know that The Guild, in partnership with the Front Range Woodturners, is putting together a state-of-the-art audio/video production system, which will allow us to incorporate Zoom participants (including remote presenters) in our live meetings via Zoom, and to incorporate them into the video monitors in Rockler's basement. Until that system is a reality, however, I will be unable to attend/conduct our meetings remotely.

I attended a Zoom meeting of the board of directors of the Front Range Woodturners on July 3, 2021, where the vote to proceed with phase one of implementing this system was unanimous. On July 10, The Guild board is meeting via Zoom to vote on the system as well, and I expect the measure to be adopted unilaterally.

The benefits of this system are way too numerous to itemize in this article, but a few of the highlights are as follows:

- An audio/video switching system which will provide eight AV inputs to the system. For example, we may input a number of cameras, computer screens, Zoom participants, etc. into the system.
- The ability to choose a combination of those sources to present on the video monitors in Rockler's basement.
- The ability to host remote attendees to the meeting via Zoom.
- The ability to host remote presenters will greatly expand the sorts of demonstrations we can effectively show. For example, doing shop tours, or demos requiring the full facilities of a comprehensive shop have been impossible during our live meetings of the past. Those restrictions will be a thing of the past with this new system.
- Members with disabilities, or members who do not wish to drive to the meetings during inclement weather will nevertheless be able to attend our meetings.
- Members who live far afield can join The Guild and attend meetings.

- ... and the list goes on.
- And, finally, I can continue to conduct the meetings and otherwise carry out my duties as President even though I am living in Mexico.

That's the totality of what I have to offer this month. See you on July 20.

Wilbur Goltermann, President

Show and Tell

The show and tell items at the June meeting included entries from three members. A Tea Caddy from Archer Yates, a Maloof style chair from Mike Zelman and a Coffee Table from Rich Mcrae. Unfortunately, I have no pictures for the entries from Archer and Mike, so I had to do screen captures from the video which is not as good as I would like.

First up was Archer's Tea Caddy, a small box used to store tea and some implements to make said tea. Archers Tea Caddy is veneered in Satin wood trimmed with Ebony, with many delicate inlays made from Holly and Ebony. The top is attached to the body with a "Smart Box Hinge" available from <https://www.smartboxmaker.com/product/box-hinge/>, Archer says it is very easy to install.



Next was Mike's Maloof Chair. The chair is made from 8 quarter Cherry, in the Maloof style. The seat portion is barrel staved, to provide some of the curve and then carved to shape. The arms were cut to approximate shape and then shaped with a spiral router pattern bit. A huge amount of shaping and sanding went into its construction.



Last, but not least, was a Walnut Coffee Table from Rich. The most striking aspect (for me) is the book matched top. The frame has reverse tapered legs with mortise and tenon stretchers on the legs.





And the winner of the June S&T was Rich Mcrae and his Walnut Coffee Table.

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 see you at the July meeting,

Cary Goltermann, Show and Tell Administrator

Meeting Presentations

June 2021 Meeting

On June 15, 2021, we were honored to have a guild presentation by Mr. William Ng, of William Ng Woodworking of Torrance, California. Mr. Ng did a presentation of how to do different Japanese joints, as well as how to use various hand tools.

Mr. Ng started the demonstration with the correct way to cut with a Dozuki saw, as all the joints he demonstrated rely on an accurate and controlled use of the saw. He noted that a person's handedness can affect the cut and cautioned us to be careful not to lean the sawblade improperly in both the horizontal and vertical directions.

Mr. Ng then went on to explain how different joints are built. They included the bird's beak joint, the pin lock joint, the half lap joint, a ninety-degree gooseneck joint, a 180-degree gooseneck joint, and a 3-way miter joint, which has blind mortises as a locking component.

Mr. Ng also demonstrated the proper use of the marking gauge in laying out the joints.

William also discussed the proper use of sliding dovetails in cabinet construction. When using sliding dovetails in cabinet sides, limit the length to 6 inches, as beyond that, it is too difficult to assemble due to friction. Just use an open mortise at the end of the sliding dovetail for longer cabinets.

William then answered questions about his tool wall, explaining the use of his Japanese chisels, card scrapers and hand saws.

When I asked if he could recommend a book that features instruction on how to create the joints he demonstrated, he noted that there was one book “Joinery with Power Tools”, but it is out of print.

He concluded the presentation with advise that all joints are based on a straight line, and mastering the hand saw is the first step to making proper joints.

July 2021 Meeting

We have the July 20th presentation arranged. Our presenter is none other than a member of the WoodTalk trio, owner of The Hand Tool School, and the blog *The Renaissance Woodworker*, Mr. Shannon Rogers. Shannon also has a full-time job at the Gibson McIlvain Lumber Company, a resource of high-end hardwoods for the industry. Mr. Rogers' philosophy is, when done properly, hand tools can produce results that rival power tools in speed and accuracy. Currently, he is planning to instruct the proper way to use hand saws in building furniture. He will be joining us online from his shop in Maryland, and as a side bonus, his shop is a lot quieter than most of ours.

Mike Zelman, Programs Chair

About Wood

In this month we look again at **Koa**. (Note that this article was first published in 2017). **Koa** (**Acacia Koa**), is a medium to large size tree from the family Fabaceae or Leguminosae, the legume family (related to peas).

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.



Old Growth Koa Tree



Seed Pods



Koa Log Cross-Section

Koa

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

Distribution: On all of the larger islands in the Hawaiian chain.

Tree size: 65-100 ft (20-30 m) tall; 3-5 ft (1-1.5 m) trunk diameter; very mature, old growth trees can be over 100 feet tall and 5 to 10 feet in diameter.

Average Dried Weight: 38 lbs/ft³ (610 kg/m³).

Specific Gravity: (Basic, 12% MC): .53, .61'

Modulus of Rupture (MOR): 12,620 lb_f/in² (87.0 MPa).

Modulus of Elasticity (MOE): 1,503,000 lb_f/in² (10.37 GPa).

Crush Strength: 7,060,110 lb_f/in² (48.7 MPa).

Janka Hardness: 1,170 lb_f (5,180 N).

Shrinkage: Radial, 5.5%; Tangential, 6.2%; Volumetric, 12.4%; T/R Ratio, 1.1.

Heartwood Appearance: Light to dark brown with a golden luster, sometimes with darker streaks; similar to mahogany; sometimes exhibits chatoyance when polished.

Sapwood Appearance: Pale brown, clearly demarcated.

Grain/Texture: Fine to medium texture, slightly interlocked; can be wavy and curly,

Stability: Dimensionally stable after drying; easy to dry.

Relative Strength: Bending strength fairly high.

Decay Resistance: Subject to insect and fungus attack; durability below black walnut

Workability: Need sharp tools because of interlocked grain; can be planed, sanded, and turned; does not glue well.

Odor: Little or no scent or odor.

Toxicity: None; regular concerns for wood dust.

Potency: Low.

Toxicity Source: wood dust.

Reaction: Ordinary respiratory issues with dust.

Sustainability: Supplies are limited and diminishing; fast growing; there is conservation work in process; plantation grown wood is becoming available

Uses: Furniture, carving, veneer, boat building, musical instruments (it has resonant qualities, and it's a "tonewood"), and turning.

Typical Cost: One of the most expensive woods.

Comments: Sometimes called Hawaiian Mahogany; somewhat similar to Black Walnut; ancient Hawaiians used Koa for seagoing canoes; was logged nearly to extinction; is now slowly coming back; largest and oldest (500 years) Koa in the world is in a Nature Conservancy preserve near Kona on Hawaii Big Island; grows best in volcanic soil at altitudes from 3,000 to 7,000 feet. Also, the Hawaiian government has protected Koa.

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 [A new column]

[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.]

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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

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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