



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

Colorado Woodworkers Guild

June 2021 Newsletter



President's Corner

Many of you are wondering when the heck we will be meeting in person again. Though it seems as though that time is well nigh, Rockler corporate headquarters has not given the OK, so it seems we are still a way off from the touchy-feely sort of meeting we have all been missing of late. Though predictions at this point are just guesswork, it is reasonable to assume that by summer's end, all of our membership will have been vaccinated, and are unlikely to present a danger to the general public. So, it's gettin' closer! I just hope that I will be able to attend at least one live meeting before I take off for Mexico :-)

Mike Zelman has taken the bull by proverbial horns and has recruited some well-known experts for presentations over the next few months. I don't want to steal Mike's thunder, so I will leave it to him to fill you in on the details later in the newsletter.

The Guild and the Turners are ready to pull the trigger on the first phase of a video/audio/streaming recording studio. This system will have multiple cameras: one focusing on the presenter, another one that is down facing above the workbench, one at the lathe with remote controlled pan-tilt-zoom capabilities. We will also have the ability to stream the entire meeting over Zoom so that members may view remotely, and we may present any remote viewer on the auditorium monitors. In addition, a computer screen can be one of the video/audio sources. The video producer has the ability to select from among any combination of these video sources to present on the monitors. All of this functionality will be controlled by the producer from a sit-down console.

The first phase will provide the most critical of the functions and the cost (shared between the Woodturners and The Guild) will be between \$5,000 and \$6,000. The Guild's videographer, Bill Knoll, has joined in the effort to make this system a reality, and I am hoping that we can make phase one operational before my next trip to Mexico on August 3.

I'd like to welcome back Lindy Baer's very informative Newsletter article about wood. Lindy's article has been on vacation since a bit before the pandemic interfered in our lives. Thanks. Lindy for helping us restart this piece of the newsletter.

Our June 15 meeting will be streamed once again on Zoom. As usual, the meeting will begin at 6:30, and I will "open the doors" at 6:00. It will feature our regular show and tell event. I would love to see more of our beginner and intermediate level members participate, so please don't be intimidated, and send pics and a short description of your project to showandtell@coloradowoodworkersguild.org NLT end of the day on June 14.

I'm running out of digital wind, so will end this month's column, hoping to see all of you on June 15.

Wilbur Goltermann, President

Show and Tell

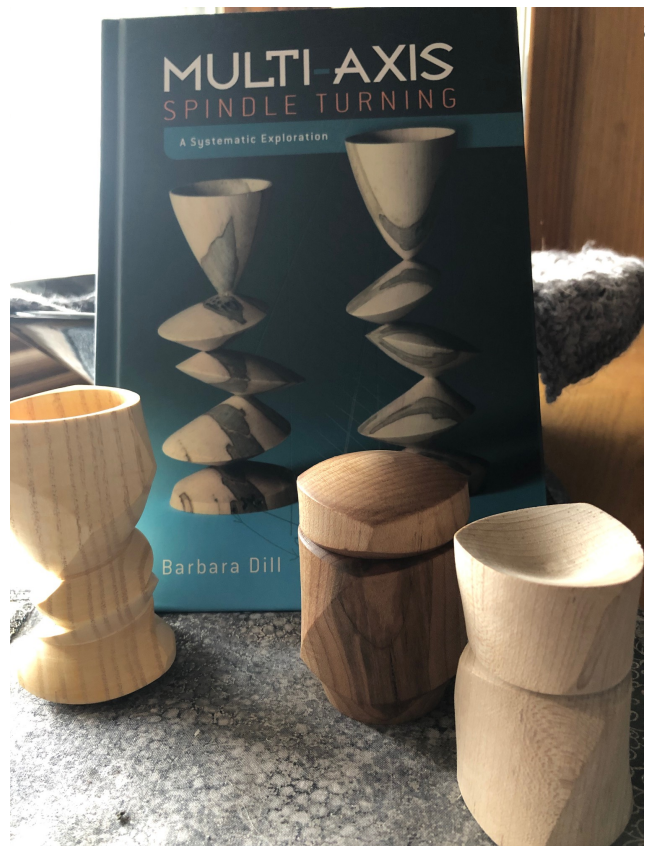
The show and tell items at the May meeting included entries from three members.

First up were three entries from member Don Prorak. They included several cutting boards, some multi axis turnings and a beautiful bowl.

Don's cutting boards are end grain, made from scraps of Walnut, Cherry and Maple. finished with General Finishes Salad Bowl Finish diluted with mineral spirits so it would soak into the end grain.



Next Don showed us several "Multi-Axis" turnings and book he read on the subject.



Last, but not least, Don did a lidded bowl of Norfolk Island Pine turned from end grain and finished with Linseed oil.



Next up was Rich Macrae with a walnut art supply chest he made for his daughter (apparently Rich's artistic abilities were passed on).

The chest is made of Walnut and finished with Waterlox tung oil, which was allowed to dry for a couple of weeks, then two coats of clear wipe-on poly were applied to allow the grain to show. followed by a coat of satin wipe-on poly.



Our last Show and Tell was from Paul Brooks. Paul received a “free” Craftsman lathe, in pieces which he cleaned up and built a rolling workbench for. The first picture shows the lathe in pieces.



After cleaning all parts up, Paul built a bench for it using reclaimed wood for the frame and Baltic-Birch plywood for the top.



The reclaimed wood of the frame was flamed and then coated with poly. Retractable wheels allow it to be stored when not in use.



After a poling of members, the S&T winner of the evening was Rich Macrae.

To all who participate in the S&T “Thanks”. Seeing other people’s work is always so inspirational.

If you have an entry for the June S&T please send an email to showandtell@coloradowoodworkersguild.org. 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.

Cary Goltermann

Meeting Presentations

May 2021 Meeting

Mr. James King of James King Fine Woodworking, provided our May 18th group with a presentation and discussion of working with various exotic hardwoods. He discussed gluing techniques, as quite often, exotic woods are oily and resist PVA glues. So he recommends wiping them down with mineral spirits. Sometimes he uses Titebond 3, but he finds that epoxy also works well.

He warned about allergic reactions to certain woods, especially the Rosewood family, including Cocobolo. He recommended when working with Purpleheart, that if the purple color were to fade to gray, the color can be restored by placing the wood in direct sunlight and soaking it in mineral spirits. He recommended some extremely dense hardwoods for mallet heads, such as lignum vitae.

When asked about cost, he said some of the most expensive wood is African Blackwood, which is over \$200 a board foot. It is the darkest wood available. Mr. King invited the group to tour his shop and see where he makes his custom furniture and mallets. He can be reached at james@kingsfinewoodworking.com or at 720-34-6225. He lives and works in Aurora, Colorado.

Thanks, James for a very informative presentation and discussion with the members.

June 2021 Meeting

Mr. William Ng, of The William Ng School of Fine Woodworking , has graciously agreed to do a presentation for the June 15th meeting. Mr. Ng's presentation will focus on the use of different joints used in fine woodworking and how to create them. He is strongly influenced by George Nakashima and teaches how to make Nakashima influenced furniture. He is well known for his instructional videos, which he often posts on his website, including how to make half blind dovetails. His website also includes a store with some very high quality woodworking tools for sale. He will be doing his presentation online from his shop in Anaheim, California. With a background in engineering, Mr. Ng emphasizes precision, accuracy, and efficiency. This evening will definitely be an opportunity to improve everyone's level of quality and aesthetics.

Mike Zelman

About Wood

Here is more of the “About Wood” column after missing several months during this time of Covid-19. When this column began, the focus was on common North American hardwood species. Gradually the focus enlarged to include the conifers and less common hardwood species. After two to three years, more exotic species were added. References for the column have included *The Wood Database*, *Woodworkers Source*, and *A Guide to Useful Woods of the World*. Occasionally, *The Forest Products Laboratory* (a United States Department of Agriculture function associated with the University of Wisconsin) and other miscellaneous sources have also been used as resources.

In this month, June 2021, we consider **Brazilian Pau Rosa (*Aniba roseaodora*)** from the genus *Aniba* and the sub-family **Magnoliids** . The **Magnoliids** sub-family is in the **Lauraceae** family, a family of flowering plants. The classification of the **Lauraceae** family is not settled and may contain over 9,000 species across several sub-families and genera. Here we concentrate on **Pau Rosa**, but others in the genera include magnolia, nutmeg, bay laurel, cinnamon, avocado, black pepper, tulip tree, and many others.



The Aniba Rosaodora Tree

Leaves and Flowers



Log X-Section



Logs Ready for Chipping & Oil Extraction

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.

Brazilian pau rosa

Here is a summary of the characteristics of *Brazilian pau rosa* (also known as Louro pau, Bois de rose, and Red silverballi):

Distribution: Tropical rainforests of South America, especially in the Amazon drainage

Tree size: 65-100 ft (20-30 m) tall; 1.5-2.5 ft (0.5-0.8 m) trunk diameter

Average Dried Weight: 45.6 lbs/ft³ (730 kg/m³)

Specific Gravity: (Basic, 12% MC): .63, .73 (some reports indicate .55 to .65)

Modulus of Rupture (MOR): 18,850 lb_f/in² (130.0 MPa)

Modulus of Elasticity (MOE): 2,466,000 lb_f/in² (17.00 GPa)

Crush Strength: 10,150 lb_f/in² (70.0 MPa)

Janka Hardness: 1,460 lb_f (6,470 N)

Shrinkage: Radial, 4.5%; Tangential 7.0%; Volumetric, 12.1%; T/R Ratio, 1.6

Appearance: Heartwood is golden to light reddish brown sometimes with an olive or greenish hue. Color darkens with age; contrasting sapwood is light yellow

Grain/Texture: Straight grain to slightly interlocked; medium to fine texture and good natural luster

Stability: Moderately difficult to dry; once dried moderately stable

Relative strength: Moderately hard and heavy; good strength-to-weight ratio

Decay Resistance: Resistant to decay and to termites; comparable to teak

Workability: Easy to work with hand and machine tools; turns, glues, and finishes well

Odor: Pleasant, spice-like scent when worked

Toxicity: **Pau rosa** is known to cause skin irritation as well as constitutional symptoms (not well defined, but general symptoms of feeling unwell)

Potency: mild

Toxicity Source: No information, but may be the oil

Reaction: Skin irritation

Sustainability: Is on the IUCN Red List and on CITES appendix II; it is endangered

Uses: fine furniture, flooring, turnings, boat building, millwork, veneer, and plywood, as well as the oil

Typical Cost: High priced; African species may be substituted

Comments: This wood has been heavily exploited for rosewood oil distilled from the raw logs; oil is used in perfumes and some foods; be aware that African species may be substituted, but they are not the same; **Pau rosa** is generally not available

Sources: Woodworkers Source; The Wood Database; American Hardwoods Information Center; Woodworkers Source; Flynn, James H. and Charles D. Holder, Editors. *A Guide to Useful Woods of the World, Second Edition*. Forest Products Society, Madison, Wisconsin, 2001.

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

Lindy Baer

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.]

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/>

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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