



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

# Colorado Woodworkers Guild December 2021 Newsletter



## President's Corner

*Wilbur Goltermann, President*

My brothers and sisters in wood,

This is my last contribution as president to the newsletter. As of January 1, a new president will take over the reins.

The first order of business in my last contribution to The Guild Newsletter, is to cover the elections (can it really be called an election of everyone runs unopposed - really guys, we need to have more people involved in the running of this organization).

Please welcome Dennis Edmonds in his capacity as our new president. Dennis has not only volunteered to run (unopposed as previously noted), but he is also a brand-new member of The Guild. Dennis was a member of The San Antonio Woodworking Guild and was active as its Vice President. Thanks for stepping up, Dennis.

Devon Lindsley has served as our VP for two years now and has been called on to do more than any VP in recent memory, largely due to my move to Mexico. Bill Bixby has agreed to fill Devon's shoes as VP for the upcoming year (or perhaps longer). Devon, thanks for a job well done, and for bailing us out during my multiple absences occasioned by my move to Mexico over the past year.

The other executive positions and chairs of other positions will continue to be filled by their current occupants as far as I know. All of you are due our heartfelt thanks.

The last meeting represented our first attempt to integrate our new audio/video mixing hardware into the meeting and to allow remote attendees to be integrated into the live meeting. Clearly a number of bugs remain to be ironed out, but when that happens, we should be able to have remote viewers fully participate in our live meetings. So, patience will win out, and we will succeed.

Meanwhile, let me say that it has been a privilege to serve as President of The Guild for the past two years. I hope to remain active in The Guild and will continue to honcho the website for the foreseeable future. As we get the Zoom thing integrated, you may rest assured of seeing me at future meetings.

*Wilbur Goltermann, President*

***(Editor's Note: Lets all give Wilbur a well-deserved hand for his leadership and hard work during his tenure as the CWG President)***

# Show and Tell

The show and tell items at the November meeting included entries from three members and one member and his grandson.

First we had two entries from former president Dale Bowlin.

Dale's First entry is a Fairy Tale Birdhouse made from Red Oak from a repurposed church pew and finished with Watco Light Walnut.



Dale's Second entry was some Christmas toys he made on his CNC router. The toys are made from Ambrosia Maple and finished with Watco Light Walnut



Next up we had a funeral urn from Jonathan Carlyon. The urn is made of Cherry and Walnut with box joint joinery and finished with Linseed Oil.



Our next entry is from Joel Crandall who is the Grandson of member Duane Hermanson.

Here is Duane's description of the project: "Joel got going on this project when a blacksmith involved with <https://www.livinghistorydays.com> helped him forge a knife blank and Joel asked me to help him finish the knife and put a handle on it. I've never done a project like this so there was significant learn curve!

In working with someone this young (9 years old) there is difficult balance between quality and letting him do as much as possible on the project."

Here are some pictures of Joel's finished knife. The knife handle is Walnut and finished in oil



Our final entry is from member Dennis Edmonds. Dennis showed off two entries. One was a desk name plate he is making for his son (a work in progress).



He then showed oven pullers he made from scrap wood.



Our winner for the evening is Joel Crandall and his knife handle in Walnut.

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](mailto:showandtell@coloradowoodworkersguild.org)  
Thanks, and see you at the September 2021 meeting,

*Cary Goltermann, Show and Tell Administrator*

## Meeting Presentations



## November 2021 Meeting

On November 16, 2021, we were honored to have a guild presentation by Mr. John Orth, who is an accomplished violin and mandolin maker and the head instructor at Red Rocks Community College's Fine Woodworking program. John demonstrated some advanced carving techniques that he uses for instrument building.

Mr. Orth explained how to draw a scroll for a violin neck and demonstrated how to cut it out.

He explained that the wood used in a violin is split from the log, not sawn. He wants to take the mystery out of volutes (the spiral part of the neck), they are just carved wood.

He prefers carving with chisels and not spokeshaves, as he feels he gets better control. He recommended using a Dragon rasp, as the teeth are hand punched and produce a smoother finish. They are available from The Japan Woodworker Store online.

Mr. Orth demonstrated how to cut out the volute using a Japanese pull saw.

He concluded the presentation with the advice and suggestions on how to improve one's ability to design musical instruments and achieve symmetry and a beautiful aesthetic.

## December 2021 (No Meeting. Enjoy the Holidays)

*Mike Zelman, Programs Chair*

### About Wood

This month, December 2021, we look at Coracao de Negro.

Coracao de Negro is a medium to large size evergreen flowering tree from the Fabaceae family. Other species include *S. cubensis*, *S. bannia*, *S. benthamiana*, *S. grandifolia*, *S. ingifolia*, and *S. leiocalycina*.

Coracao de Negro also known as Brazilian ebony and panococo.



**The Coracao de Negro Tree**



**Coracao de Negro Leaves & Flowers**



**Coracao de Negro Leaves & Seed Pods**

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.

Here is a summary of the characteristics of the Coracao de Negro

**Distribution:** South America, especially Brazil, Venezuela and Guyanas

**Habitats:** Lowland primary rain forest (non-flooded)

**Tree size:** 100-130 ft (30-40 m) tall; 2-4 ft (.6-1.2 m) trunk diameter

**Average Dried Weight:** 73.7 lbs/ft<sup>3</sup> (1,180 kg/m<sup>3</sup>)

**Specific Gravity:** (Basic, 12% MC): .92, 1.18

**Modulus of Rupture (MOR):** 29,290 lb/in<sup>2</sup> (202.0 MPa)

**Modulus of Elasticity (MOE):** 4,517,000 lb/in<sup>2</sup> (31.15 GPa)

**Crush Strength:** 15,950 lb/in<sup>2</sup> (110.0 MPa)

**Janka Hardness:** 3,400 lb (15,120 N)

**Shrinkage:** Radial, 6.3%; Tangential, 8.3%; Volumetric, 14.8%; T/R Ratio, 1.3

**Heartwood Appearance:** Orangish brown when freshly sawn, darkening to reddish brown to nearly black upon exposure to air; sapwood is sharply demarcated and is pale yellowish white

**Grain/Texture:** Grain is usually straight, but can be irregular or interlocked; has a fine, even texture and good natural luster

**Stability:** Poor to moderately stable in service

**Relative Strength:** Medium to high

**Decay Resistance:** Considered very durable regarding decay resistance and insects

**Workability:** Considered difficult to work because of high density; blunting effect on cutters; if interlocked grain, tearout can occur with planing; density and natural oils make gluing difficult

**Odor:** Very faint odor when worked

**Toxicity:** None identified but little known; other Swartzia species have been reported to cause skin and respiratory irritation (related Katalox is an example); one source reports that the sawdust can be irritating to mill workers

**Potency:** Not enough information

**Toxicity Source:** Not enough information

**Reaction:** Little information, however it has been reported that the bark can induce sweating\

**Sustainability:** Not listed in CITES Appendices or on the IUCN Red List of Threatened Species

**Uses:** Inlays, fine furniture, cabinetry, parquet flooring, musical instruments, and turned objects

**Typical Cost:** Moderate to upper range

**Comments:** The name Coracao de Negro is Portuguese for black heart. The wood has been marketed as an ebony substitute under the name Brazilian ebony though not related. Like katalox, Coracao de Negro is an incredibly strong wood with some of the highest MOE values ever recorded. Coracao de Negro is a lesser known tree and has not been widely exploited.\

**Sources:** The Wood Database and Plants For A Future

If you have questions about a specific wood, don't hesitate to send a note to [wood@coloradowoodworkersguild.org](mailto:wood@coloradowoodworkersguild.org).

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*Lindy Baer, Newsletter Woods Contributor*

## Toolbox Alerts

(Editor;s Note: Hoping your wooden stockings are all filled with holiday sawdust.)

[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](mailto:JoeLenhoff@gmail.com), or to [newsletter@colowood.com](mailto: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.]



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**A Cut Above** 16512 16512 Arminta St. Van Nuys, CA 91406 Phone:800-444-2999

Website: [www.acutabove.com](http://www.acutabove.com)

**Austin Hardwoods of Denver, Inc.,** 975 W. Mississippi, Denver, CO 80223. Phone: 303-733-1292.

Website: [www.austinhardwoods.com](http://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](http://www.bearwood.com)

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

Website: [www.wood-veneers.com](http://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](mailto: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](http://www.usedtoolsplus.com)

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

Website: [www.denverwoodworking.com](http://www.denverwoodworking.com)

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

Website: [www.milehightreecare.com](http://www.milehightreecare.com)

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

Website: [www.paxtonwood.com/denver.aspx](http://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](http://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](http://www.sears-trostel.com)

**Signature Medallions,** 4218 Ponce De Leon Drive, La Mesa, CA 91941. Phone: 619-303-2876.

Website: [www.signaturemedallions.com](http://www.signaturemedallions.com)

**TC Woods,** 5406 County Road 23 Ft. Lupton, CO 80621. Phone: 303-666-8989.

Website: [www.tcwoods.com](http://www.tcwoods.com)

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

Website: [www.toolzone.com](http://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>

# 2021 Board Members



Wilbur Goltermann - President  
[President@colowood.com](mailto:President@colowood.com)  
[webmaster@colowood.com](mailto:webmaster@colowood.com)



Devon Lindsley – Vice President  
[vicePresident@colowood.com](mailto:vicePresident@colowood.com)



Jason Matischek  
[secretary@colowood.com](mailto:secretary@colowood.com)



Larry Abrams – Treasurer  
[treasurer@colowood.com](mailto:treasurer@colowood.com)



Bob Kleinfeldt - Director at Large,  
[DirectoratLarge@colowood.com](mailto:DirectoratLarge@colowood.com)



Dale Bowlin – Past President  
[pastPresident@colowood.com](mailto:pastPresident@colowood.com)



Bill Knoll - Audio / Video Chair  
[video@colowood.com](mailto:video@colowood.com)



Ed Lawlor – Community Services  
[community@colowood.com](mailto:community@colowood.com)



Lindy Baer - Contributing Editor  
[wood@colowood.com](mailto:wood@colowood.com)



John Hammer - Hospitality & Refreshments Chair  
[hospitality@colowood.com](mailto:hospitality@colowood.com)



Jim Barry – Librarian  
[Library@colowood.com](mailto:Library@colowood.com)



Joe Lenhoff – Newsletter Editor  
[newsletter@colowood.com](mailto:newsletter@colowood.com)



Cary Goltermann – Membership Chair  
[membership@colowood.com](mailto:membership@colowood.com)  
Show & Tell Administrator  
[showandtell@coloradowoodworkersguild.org](mailto:showandtell@coloradowoodworkersguild.org)



Kevin Loyd - Shows & Exhibits Chair  
[shows@colowood.com](mailto:shows@colowood.com)



Paul Seipel – Classes Chair  
[classes@colowood.com](mailto:classes@colowood.com)



Bill Bixby – Publicity and PR  
[publicity@colowood.com](mailto:publicity@colowood.com)



Mike Zelman – Programs  
[progams@colowood.com](mailto:progams@colowood.com)