



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

# Colorado Woodworkers Guild November 2021 Newsletter



## President's Corner

*Wilbur Goltermann, President*

Bienvenidos a Mexico,

November is election month for The Guild, and the primary position that needs to be filled is my own. Being that I am now living in Mexico full time, I do not feel that I will be able to effectively fill the position of president any longer. I have enjoyed my tenure as president, and hope that someone is willing to step up and take over.

On a related note, the Media Production Committee, a joint effort of The Guild and The Front Range Woodturners, is nearing the point where we might be able to start using the system to integrate remote Zoom attendees into our live meetings. Three Guild members are nominally on this committee, and we need more folks to step up and learn how to use the system and help produce the meetings. Rick Hammans volunteered for the committee, and I confess to roping Bill Bixby and Tom Bloom into serving in (at least) a consulting capacity. To adequately cover meeting production, and to ensure that no one has to produce every meeting, we need at least three more folk to learn the system and be able to man the controls. So, please step up. Please contact Rich Kuivila (FRWT videographer) at [Videographer@frontrangewoodturners.org](mailto:Videographer@frontrangewoodturners.org), and copy me as well at [webmaster@colowood.com](mailto:webmaster@colowood.com).

Another need relative to the Media Production Committee is a need to construct a control console for the hardware of the system. It is rumored that some of you may know some woodworkers who could do the work. Once again, message Rich Kuivila at the above address, and copy me as well. So put on those waders and jump into the stream - we need help.

There is no meeting scheduled for December, so our next meeting after the 16 Nov one will be in January 2022. Time to renew your membership! You may conveniently pay for membership renewal using Venmo. Just follow the instructions in the "New At The Guild And On The Website" section of the home page of The Guild website.

This is my last President's Message, but I hope to see you in 2022 as a remote attendee to meetings, and even on my occasional visit to Denver in the future.

I have enjoyed my tenure as president and will continue to enjoy my membership and the companionship I share with you all.

Thank you,

*Wilbur Goltermann, About-To-Be-Ex President*

# Show and Tell

The show and tell items at the October meeting included entries from Laura Peterson, Dale Bowlin, Richard Boelin and Scott Roth.

First up was Laura with three urns she made for the Veterans project that the Guild supports. She used varying joining techniques, trims, and wood combinations



Next was three of Dale's Urns done in Red Oak with a Watco – Light Walnut finish.



Following this was Richard Boelin's Basswood carving, all done by hand with a Danish Oil finish.



Finally, Scott Roth displayed an unfinished carved walnut steering wheel he has made for a 1954 MG TD he is restoring.



The winner of the evening was Laura's beautiful urns.

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 November 2021 meeting,

*Cary Goltermann, Show and Tell Administrator*

## Meeting Presentations

### October 2021 Meeting

On October 19<sup>th</sup>, the Colorado Woodworker's Guild had the honor of having Rich Johnson, of the Denver Rockler's Store, present a discussion and demonstration of how to finish our woodworking projects.

Initially, Rich directed the members to a book by Bob Flexner, titled "Understanding Wood Finishing."

He pointed out that the biggest confusion with finishing is often the conflicting information provided by the finish manufacturers themselves.

He noted that one overlooked aspect to finishing is to slow down wood movement due to moisture changes; he demonstrated this by spraying one side of a veneer, which promptly curled into a tube.

Mr. Johnson indicated that the type and style of finish is determined based on the use of the project and the look one wants to achieve. Surface preparation is very important. A discussion of sanding grits and the use of card scrapers to prepare a surface were discussed, and he gave a demonstration of how to sharpen a card scraper.

He then discussed staining versus dyes for bringing out color and emphasizing grain patterns, as well as when to use grain fillers and seal coats. He noted a number of ways to 'age' cherry, with lye and potassium dichromate. Ferrous sulfate brings out a golden color in Birdseye maple, while ammonia fumes darken mission oak.

Mr. Johnson discussed the wide range of topcoats, ranging from the original finish oils-linseed, tung and soy oils, to the shellacs (around from 1500 B.C.E.), to the plastic finishes like polyurethane and lacquer. He discussed using French polish with shellac.

We went over the need to sand between coats and for the final finish, demonstrating how a simple finish like shellac can achieve a piano finish if it's successively rubbed out with 400 grit, then 600 grit, then 4 aught steel wool, then pumice stone, then rotten stone. To quote Rich, "Take time to finish the finish."

He discussed pro/cons of shellac, polyurethane, catalyzed lacquer, pre-finishing, use of extenders, when to use oil finishes, how to mix and match products from different manufacturers, and how to prevent your finishes from going bad prematurely.



## November 2021 Meeting

Our **November 16th** meeting will be a presentation by an accomplished violin and mandolin maker and the head Red Rocks Community College instructor **John Orth**. John will be showing some advanced carving techniques that he uses for instrument building. According to an article online, he is also a world record holder in pull-ups. One way or another, it promises to be an entertaining and educational evening.

**Please note that we will not have a December Guild meeting, in observance of the holiday season.**

*Mike Zelman, Programs Chair*

## About Wood

In this month, October 2021, we look at **Macacauba (Platymiscium dimorphandrum)**, a medium size evergreen flowering tree from the Lauraceae family. Other species include *P. pinnatum*, *P. trinitatis*, and *P. ulei*. **Macacauba** is also known as macawood, hormigo, and orange agate.



**Macacauba Tree**





**Macacauaba Logs**



**Macacauaba Wood**

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](mailto:wood@coloradowoodworkersguild.org).

## **Macacauaba**

Here is a summary of the characteristics of the **Macacuaba** tree and its wood:

**Distribution:** Central and South America

**Tree size:** 65-80 ft (20-25 m) tall; 2-3 ft (.6-1.0 m) trunk diameter

**Average Dried Weight:** 59 lbs/ft<sup>3</sup> (950 kg/m<sup>3</sup>)

**Specific Gravity:** (Basic, 12% MC): .81, .95

**Modulus of Rupture (MOR):** 21,540 lb<sub>f</sub>/in<sup>2</sup> (148.6 MPa)

**Modulus of Elasticity (MOE):** 2,837,000 lb<sub>f</sub>/in<sup>2</sup> (19.56 GPa)

**Crush Strength:** 11,700 lb<sub>f</sub>/in<sup>2</sup> (80.7 MPa)

**Janka Hardness:** 2,700 lb<sub>f</sub> (12,030 N)

**Shrinkage:** Radial, 2.8%; Tangential, 4.2%; Volumetric, 7.2%; T/R Ratio, 1.5

**Heartwood Appearance:** Can be highly variable from bright red to darker reddish or purplish brown often with darker stripes; clearly demarcated sapwood is yellow to white

**Grain/Texture:** Grain is straight to interlocked with medium to fine texture and a high natural luster

**Stability:** Quite stable

**Relative Strength:** Medium to high

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

**Workability:** Good working characteristics with hand and machine tools; areas of interlocked grain should be approached with care to avoid tearout; will take a high polish; turns and glues well

**Odor:** No characteristic odor or taste

**Toxicity:** None

**Potency:** Low

**Toxicity Source:** normal wood dust concerns

**Reaction:** None other than respiratory exposure to wood dust

**Sustainability:** Not listed in CITES Appendices or on the IUCN Red List of Threatened Species; still, the number of mature trees has been greatly reduced

**Uses:** Furniture, cabinetry, veneer, musical instruments, and turned objects

**Typical Cost:** Moderate

**Comments:** The ambiguous name Granadillo is also sometimes applied to this wood; mature stands have been greatly reduced but is being cultivated

**Sources:** The Wood Database

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

*Lindy Baer, Newsletter Woods Contributor*

## Toolbox Alerts

[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.]

## Sponsor's Corner [A revived column, that may soon die if I don't get any inputs]

[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](mailto: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](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



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