



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

Colorado Woodworkers Guild

July 2019



President's Message

Hello, I wanted to remind everyone we have a Chop Stick Master 2 available to our members in our Guild Library. You can check it out with our Librarian Jim Barry at one of our meetings. You will have to make blanks or purchase them from Bridge City Tools. If you take this to an event it allows attendees to make their own chopsticks and you can introduce the Guild to them at the same time. From my personal experience the CSM2 is like a magnet, it draws people to your workstation whether you charge for the chopsticks or give them away. I have done both and plan on a busy time.

I was at the Rocky Mountain Star Stare the last of June and I set up my workstation for 2 hours and 15 minutes. I sold 8 pairs and people made 4 pairs on site. I was busy nonstop and was able to introduce folks to our Guild. Hopefully it will generate some interest in the form of new members. I believe it will in the long run, I encourage members to give it a try.

Speaking of workstations, I thought I would share with you what I came up with for a portable workstation. I plan on using it when I set up the CSM2 and drag it out to the back yard on nice days. I purchased a Keter at my local COSTCO for \$49.00, it sets up in minutes and it is rated to hold 1,000 lbs. It came with two clamps and sets up in less than one minute. I built an oak work top for it with dog holes that I set on top of bench cookies to raise it up a couple of inches, so far it has worked great. I will bring it for this month Show and Tell if you want to take a look at it.

I have included a poster at the back of this newsletter for the 36th All Colorado show at The Depot, our own Bill Knoll will be the month of August feature Artist. Be sure and go by and check out his display. We know Bill as a master wood worker, but he is accomplished photographer and a true artist. Check it out if you can.

If you or someone in your family are displaying their work, please let me know so we can publish the show in our newsletter.

Thanks everyone and let's have a great summer,

Dale Bowlin

President

**We have had issues with our web page and we sincerely apologize.
Thanks, for your patience.**

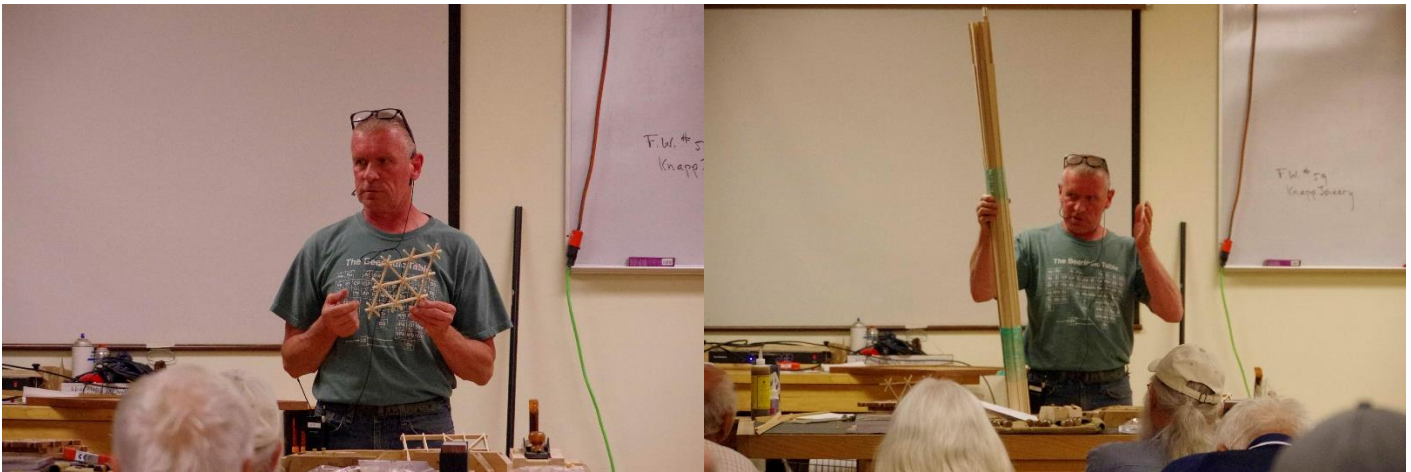
**Next meeting is Tuesday, July 16, 2019 at 6:30 pm in the basement
of Rocklers**

Our presenter this month will be Greg Veal, wood coatings expert with the Wurth Company. * www.wurthlac.com

The Japanese Art of Kumiko



Kumiko, being a previously unknown term to me, it seemed reasonable to see what I could learn about it from the web. Wikipedia steered me toward a considerable number of Japanese musicians, Kumiko being a female given name, but had nothing—nada, zero, zilch—about the art of Kumiko as demonstrated for our enrichment by Ralph Kolva, of Kolva Fine Woodworking, LLC, for our edification.



Ralph explained that Kumiko is most familiar to us from its use in shoji screens and lighting fixtures, generally characterized by intricate, repeated patterns of small pieces of wood fitted together with extraordinary precision. Basswood lends itself particularly well to the demands of Kumiko because it's a reasonably straight-grained, relatively soft hardwood that needs no additional finish once it's assembled.

The individual pieces are typically joined with half-lap intersections, but the more intricate designs require triple half laps at unusual angles. After constructing such a basic framework of half-lapped intersecting pieces, additional pieces are cut to fit artistically within the resulting spaces. However, said additional pieces are not individually self-supporting but must be cut at painfully exact angles such that when they are all inserted into the intended space, they will remain in place, although hide glue and thinned cyanoacrylic glue can be used. Fat-fingered Woodworkers need not apply. The completed design can also be stabilized by a layer of rice paper affixed to the back of the project with rice glue.



Ralph's craftsmanship and patience getting everything just right was truly the very definition of painstaking work. Using a series of jigs to get his cuts just so, he used perfectly sharpened chisels and block planes to shave the individual pieces to the exact length and angles required. All of his cuts required infinitesimal increments of "tweaking" until they were perfect. And this process would then need to be repeated multiple times to fill in the remaining open areas of the design.



Wrapping up, Ralph recommended a book by Desmond King and an Aurora bookstore—King Woodworking—as good sources of additional information. He also noted that our newest sponsor, Suzuki Ya, carries specialized planes and jigs to facilitate the practice of Kumiko.

<http://kolvafinewoodworking.com/>

By Bob Kleinfeldt

Toys...Toys.....Toys

Hello Fellow Colorado Woodworkers!

My name is Ed Lawlor and I have the absolute pleasure and opportunity to carry on the Guild's Toy Drive for this Holiday Season. This is a great service the Guild has been offering the under privileged children in our communities and I encourage all members to consider helping in this effort.

My wife and I recently returned from a brief visit to Iceland and had a wonderful time. While on our trip we found a small woodworking shop on the South shore close to Vic. What we found were wonderful handcrafted toys for local Icelandic children proving how universal this gift can be. They were simple with some refinements, a safe finish and yet quite durable. I know the Guild provides many other types of toys, but I thought we could at least start there.



Now I am new to this position and can only hope to carry on the fantastic work of past CWWG members. I know many of these members have unselfishly worked to make this drive an annual success by making, facilitating, gathering and distributing these toys to multiple organizations. I am excited they will continue to offer their guidance and help and certainly any new members who wish to participate this year are welcome to do so. I have a few ideas of my own for this year, but I am looking for feedback from all willing members to make it the best experience possible for the children. Charlie Kuechenmeister and Jeff Roth in particular have been extremely helpful in tossing me the baton and getting me off on the right foot.

I want to invite all members to participate in the wonderful event with whatever skills you wish to add. We can use help in all areas of this project to include wood donations, template sharing (I have quite a few given to me from Charlie), sanding, finishing etc. My wife has some groups that would love to help with finishing or painting to assist the program.

From my understanding of the timing we can start the process by discussing this at the next meeting in July and I will be asking for volunteers and ideas at that time.

All the toys need to be ready around Thanksgiving and distribution shortly thereafter. Thank you very much for your participation in this wonderful event.

**Ed Lawlor
Community Services Chairman**

About Wood



In this month, July 2019, we consider **Purpleheart (*Peltogyne* spp.)**. **Purpleheart** is actually a genus of 23 species in the family Fabaceae, the legume family; the cassia group. These trees are native to the tropical rainforests of Central and South America. Other names for the wood include Amarante, Amaranth, Guarabú, Koroboreli, Morado, Nazareno, Palo dorado, Pau xoxo, Pelo dorado, Purperhart and Violetwood. For the purpose of this article, ***Peltogyne venosa* or *paniculata*** are considered.

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.

Purpleheart (*Peltogyne venosa* or *paniculata* considered here)



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

Distribution: From Mexico, through Central America to southeast Brazil

Tree size: 100-170 ft (30-50 m) tall; 3-5 ft (1-1.5 m) trunk diameter

Average Dried Weight: 56 lbs/ft³ (905 kg/m³)

Specific Gravity: (Basic, 12% MC): .76, .90

Modulus of Rupture (MOR): 22,000 lb_f/in² (151.7 MPa)

Modulus of Elasticity (MOE): 2,937,000 lb_f/in² (20.26 GPa)

Crush Strength: 12,140 lb_f/in² (83.7 MPa)

Janka Hardness: 2,520 lb_f (11,190 N)

Shrinkage: Radial, 3.8%; Tangential, 6.4%; Volumetric, 10.6%; T/R Ratio, 1.7

Appearance: when freshly cut, heartwood is dull grayish/purplish brown; upon exposure wood becomes a deeper almost eggplant purple; with age and UV exposure, wood will darken still with a hint of purple; sapwood is light in color and thin; when the heartwood is exposed to sun and rain, it will become black

Grain/Texture: grain is usually straight, but can be wavy or irregular; it is of medium texture with good natural luster

Stability: retains shape well after seasoning; only small movement in use

Relative strength: very strong and with high density

Decay Resistance: very durable; resists decay and insect attacks

Workability: can be difficult; may exude a gummy resin that can clog tools; tear out may occur with planing; moderate dulling effect on cutters; often only finish needed is wax, though a finish with UV protection will preserve color

Odor: some species have a pungent scent

Toxicity: reported as a sensitizer

Potency: moderate

Toxicity Source: wood oils and wood dust

Reaction: severe reactions uncommon; mild eye and skin irritations possible; reported to cause nausea

Sustainability: readily available as lumber, plywood, and veneer; not listed in the CITES Appendices; over harvesting has occurred with some species which may lead to listing in the future

Uses: inlays and accent pieces, marquetry, pool cue butts, fine furniture, turnings; veneer, interior trim, boat building, flooring, heavy construction

Typical Cost: moderate to high prices

Comments: a wood for both form and function; will lend a splash of color, but is also very strong

Sources: Woodworkers Source; The Wood Database; American Hardwoods Information Center; 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

Show & Tell June 2019

There were eight Show and Tell entries at the May meeting.

First up was Greg Livingston with a Bandsaw box from a recent bandsaw box class he took. Made of Catapla (a favorite for bandsaw boxes) with a handle made of Paduk. The inside of the drawer of the box is finished with Blue Flocking, the box itself is finished with a wipe on poly.



Next we have a scale model Grand Piano from Jesse Anthony made of Gabbon Ebony and Holly. The body of the piano is made of ebony, as are the sharp and flat keys. The main keys are made of holly. The piano is finished with "Stringed Instrument Lacquer". Eventually the piano will house a music box mechanism.



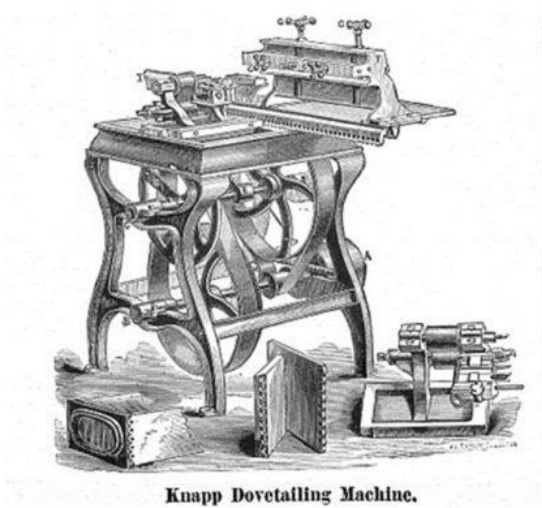
Our third entry is an “End Grain Cutting board” of Cherry and Hard Maple made by Charlie Kuechenmeister. The board is finished with General Finishes Arm R Seal.



Forth up is a Carved Logo made of pine by a relatively new member, Bill Schlittler. Bill made this logo for the “Sisters of Saint Francis of Perpetual Adoration”. The logo is made of pine and finished in acrylic.



Long term member Arnie Silverman provided our fifth show n’ tell entry. Arnie displayed three 3 Drawer Boxes. The drawers are constructed using Knapp Joints. These are also known as pin and cove, scallop and dowel, scallop and peg, pin and scallop, and half-moon joints. This type of joinery was employed in furniture made in North American factories between 1871 and 1900. Machines were made to create these joints (hence their use in mass produced furniture). Here is a pic , I found on the web of a Knapp Dovetailing Machine.





Parquet Master Scott Roth provided our sixth S N' Tell entry "Quilt Parquetry". While these look like they might be useful as trivets, you wouldn't want to put anything hot on them as the marquetry is held in place using fusible webbing (a variation on hot glue). With heat they would come apart. Instead just enjoy them as art.



Next up is a "Hancock Shaker Table" from Jason Matischeck. Aside from some lathe and bandsaw work, everything else was done with hand tool. Made of Cherry with a Curly Cherry top and finished in oil.



Our last entry of the evening is a “Sourdough Cutting Board” from Devon Lindsey. Apparently, Devon has cutting boards for specific purposes. Made of Walnut and Hard Maple and finished with homemade walnut oil and beeswax wood butter (an excellent finish for bowls , cutting boards and butcherblock counters).





The evenings winner was Jesse's Ebony Piano!

Thanks to all for bringing in a show and tell. I would encourage all members to participate, its a lot of fun and everyone (show n' tellers and others) learns.

Cary Goltermann

Library News

Be sure to check the link on our website for our library catalog. The CWG library accepts donations of books and DVDs only. The library has several magazine archives available in DVD form but does not maintain any hard copy issues. Any member wishing to donate magazines is welcome to bring them and place them on a table for members to take home with them.

The donor is responsible for setting up and clearing up any unclaimed items afterwards.

<https://www.librarycat.org/lib/COWoodworkersGuild#>

Jim Barry, Librarian

JULY 23 - AUGUST 24

Presented by the Littleton Fine Arts Guild



36TH ALL COLORADO
at The Depot

RECEPTION

Friday, August 2

5:00 - 8:00 pm

2069 W. Powers Avenue, Littleton, CO | 303-795-0781
Closed Monday | Tuesday - Saturday 10-5 | Sunday 11-4

CWG Sponsors

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

Suzuki-ya Superior Japanese hand Tools for Woodworking, Gardening & Cutlery I'd like to offer 10% off for your members (they need to mention that they're members of the Colorado Woodworkers Guild).

Website: www.suzukitool.com Phone: 510-409-0217

TC Woods 5406 County Road 23 Ft. Lupton, CO 80621 Phone: 3-666-8989

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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Help Wanted

Vacant- Publicity and PR Chair

We do not have a replacement Chair, we will not be able to support this in the July newsletter. I hope another member will step forward to help out?

Vacant – Newsletter Publisher

Assistance – Community Services Chair