



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

Colorado Woodworkers Guild

Dec 2018



President's Message

It is hard to believe it is December and near the end of the year. Time flies when you are having fun. I would like to Thank everyone involved with the Christmas Party this year.

Through the efforts of board member Bob Kleinfeldt, the Guild was again able to hold its annual Holiday party at the Cloverdale Church of God in Lakewood. The party began at 6pm on December 1st and ran to about 8:30. Chaired by Vice President Tom Mancuso, the party committee included Wilbur Goltermann, Kevin Loyd, Cary Goltermann, and catering consultant Travitt Hamilton (Bob's son-in-law). As for the 2018 party, Cary Goltermann once again furnished Apple centerpieces for all of the tables. Laura Peterson brought wonderful desserts, Cary's wife AJ brought salad, John Hammer brought a mouth-watering smoked brisket, Travis Brown brought the pork, and Kevin Loyd brought a platter of his renowned scotch balls. Travitt concocted another of his delicious punch bowls. Additional appetizers were purchased from Whole Foods. Party highlights included one of the best White Elephant events in my memory. Thank you everyone for another successful Party.

I was a recipient of an unusual white elephant gift this year. The first part was a hand carved figure, I will not say what it was just in case the artist wants it back for next years party. After all the stealing was done, he came over to my table a gave me what he described as Part 2 of his white elephant gift. Wow, I was surprised and impressed profusely with this work of art and craftsmanship.

This is one white elephant gift that WILL NOT be returning to next years party. So, Richard B if you want the first part back, come see me at the January meeting and Thank You again.

Merry Christmas and Happy New Year,

Dale Bowlin President



Upcoming Meetings, Classes, and Events

January 15, 2019 - The first member meeting of the new year. Bill Bixby will give us a presentation on steel as it is used by woodworkers.

Community Service

HOLIDAY TOYS PROJECT

The Holiday toys Project for 2018 is pleased to report that Guild members built some 331 toys for distribution to various agencies serving abused and at-risk children, and families needing assistance at the holiday season. Inner-City Parish, Colfax Community Center, Warren Village, Gateway Domestic Violence Services, and Eastern Plains Women's Resource Center are among the agencies served. The Project thanks Mick Pearl, Jeff Roth, Roger Rayburn, Ted Smathers, Dave Jackson, Laura Peterson, John Estel, Doug Pinney, Charlie Kuechenmeister, Travis Brown, Bryce Slaby, Jack Brock, Bill Healy and Milo Scott, who contributed their time, effort and materials to make the toys this year, and to Mark Klosky and Paul Seipel who helped distribute the toys.

Nov Presentations

Chopstick Master *Dale Bowlin*

At the November meeting Dale Bowlin demonstrated the Chopstick Master, from Bridge City Tools. You can view their video's here:

<https://www.bridgecitytools.com/blog/videos/#16>



Veneering *Scott Roth*



Wood Body Planes *Kevin Lyod*



Plans Sharpening Station *Cary Goltermann*



Member Projects

Hand Tool Corner

This month's Hand Tool Corner is from **Bill Knoll**. He presented this technique for sharpening a cabinet scraper at the November meeting.

ONE MORE METHOD FOR SHARPENING CABINET SCRAPERS

The procedure outlined below is intended to provide a systematic approach to sharpening scrapers. The main tasks in this method include first removing any leftover hook on both faces, edge filing to square both edges to a perfect 90 degrees, polishing the edges while maintaining the square edges, drawing out the steel on all edges and, finally, turning a new hook on each of the four cutting edges.



- ❖ Select a wooden block (1 3/8 x 1 5/8 x 9 inches) and square all sides.
- ❖ Using a bandsaw cut a slit 7 3/4 inches long in the center of the block.
- ❖ Use medium, fine and extra fine sharpening stones (water or diamond) or wet-dry sandpaper and water to remove remaining hooks and polish all four sides of the scraper. Do this by laying the scraper flat on the sharpening stones and moving scraper back and forth while applying even pressure to the scraper using the wood block.



- ❖ Square the working edges of the scraper using a fine single cut file and a guide block. You can make this filing jig with a saw cut in a block of wood or purchase one at a woodworking supply. The main thing is to have a good 90 degree angle between the file and the guide to square the scraper edges.



- ❖ Polish the filed edges on the scraper using the same sharpening stones or wet-dry sandpaper. Put the scraper in the block while polishing to keep edges square.



- ❖ After polishing the edges, remove the burr again on all faces of the scraper as noted above.



- ❖ Lay the scraper flat at the edge of the work bench, using a burnishing tool draw the steel on all four working edges. Apply light pressure with the tool flat on the scraper and at an angle, moving the tool away from you and draw it outward as you move the tool along the edge. Make several strokes on each edge.



- ❖ Set up to turn the hook on the edges. Put the scraper back into the split block and extend the scraper edge about 1/8 inch above the block. Clamp block in the bench vice to hold the scraper in place.



- ❖ Use the burnishing tool held at 1 to 2 degrees from horizontal and at a slight angle along the scraper edge. Make several lite strokes along both edges keeping the tool at a consistent angle while moving it along the edge. Stroke the far edge by pushing the tool away and the near edge pulling the tool toward you.



When using the scraper, bow the blade by holding the ends of the plate and using your thumbs on the back side. Remove the scraper and feel for the slight hook along both edges. Repeat the process for the other side of the scraper. Near the center to bow the plate forward. Tip the top of the scraper forward adjusting the angle to find the cutting edge as you move it away from you on the wood. Continue to adjust the forward tilt until you feel the hook begin to cut.

Cary Goltermann Guild Member

About Wood

In this month, December 2018, we consider **Gonçalo Alves** (*Astronium fraxinifolium*) from the family Anacardiaceae (the cashew family). The genus *Astronium* may contain as many as 15 to 16 species. The trees are native to Mexico, Central and South America.

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.

Here is a summary of the characteristics of Gonçalo Alves:

Distribution: from Mexico through Central America and into Columbia, Peru, Venezuela, and Brazil. Related species as far south as Argentina and Paraguay

Tree size: 100-130 ft (30-40 m) tall; 3-5 ft (1.0-1.5 m) trunk diameter

Average Dried Weight: 57 lbs/ft³ (905 kg/m³)

Specific Gravity: (Basic, 12% MC): .80, .91

Modulus of Rupture (MOR): 16,970 lbf/in² (117.0 MPa)

Modulus of Elasticity (MOE): 2,401,000 lbf/in² (16.56 GPa)

Crush Strength: 10,770 lbf/in² (74.2 MPa)

Janka Hardness: 2,170 lbf (9,640 N)

Shrinkage: Radial, 4.2%; Tangential, 7.8%; Volumetric, 11.2%; T/R Ratio, 1.9

Appearance: sapwood is dirty gray or brownish-white, about 2-4 inches wide and distinct from heartwood; heartwood is light golden brown to reddish brown with irregularly spaced blackish brown streaks; dull to medium natural luster

Grain/Texture: grain is usually wavy or interlocked and irregular; somewhat similar to Rosewood; texture is fine

Stability: generally, dimensionally stable after seasoning

Relative strength: when dry, bending strength is high as is strength for crushing or compression; high density

Decay Resistance: weathers well and very durable regarding decay resistance

Workability: highly figured wood can be a challenge in planing and machining; may have a moderate blunting effect on cutters; somewhat difficult to glue; turns and finishes well

Odor: no characteristic odor

Toxicity: reported to be a sensitizer

Potency: moderate

Toxicity Source: wood and its dust

Reaction: eye and skin irritation

Sustainability: not threatened; not widely available in the U.S.

Uses: flooring, veneers, furniture, cabinetry, carving, turning, general construction, boat building, plywood, and specialty objects like pool cues, archery bows, and knife handles

Typical Cost: expensive

Comments: also known as "Tigerwood," "Brazilian Tigerwood," "Kingwood," "Jobillo," and "Zebrawood."

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

Sponsor's Corner

Frank Paxton Lumber Wood of the Month

The featured Wood of the Month for December from Frank Paxton Lumber is four-quarter (4Q), S3S Walnut in 9inch and wider widths and 6' foot to 8' lengths.

Paxton is also running a Flash Special while supplies last on four-quarter (4Q) S3St Poplar in varying widths (mostly ^" and wider) and 11' to 12' lengths.

As always, call 303-399-6047 for pricing.

New Sponsor: Profile



Last year Bear Woods Supply Company became a Sponsor to the Colorado Woodworkers Guild and they continue to support the Guild.

Bear Woods is headquartered in Canada near Vancouver British Columbia. The company ships products worldwide from there with half of their shipments going to the USA. They also rely on three mills and several independent manufacturers in the USA to produce their products.

Bear Woods Supply has been serving woodworkers and clock makers of all types and skill levels for 30 years. They focus on USA made products, be they clock movements, dowel pins or wood mushroom buttons. Their emphasis is on quality. Their inventory list includes custom made dowels and wood plugs/buttons in a variety of popular wood species. They also offer Swiss made Pegas Scroll Saw Blades, the finest quality blades available.

Bear Woods actively supports woodworkers that are doing work in the community with a special focus on supporting the production of wooden toys for children in need. They provide aggressive discounts and often donations to support such generosity. It is the company's way of participating and giving to areas where their customers are living. You can learn about some of their community activities by visiting their website at:

<https://www.bearwood.com/woodparts-and-woodworking-supplies-for-schools.html> .

Pricing is designed to make wholesale pricing available to everyone. They give deep discounts for increased quantities. Orders vary in quantities to support the woodworker making a few toys or the scroller who wants to make hundreds of items for the craft fair season.

Bear Woods Company will offer the Guild gift certificates for use at their web store during the year as well as a minimum 5% discount on all orders over \$15.

Bear Woods Company:

Telephone:	800 565-5066
Fax:	888 599-1118
Website:	www.bearwood.com
Company Contact:	Service Team service@bearwood.com

A Guild Liaison for Bear Woods Company is Charlie Kuechenmeister and is available at

liaison-bearwood@coloradowoodworkersguild.org

New Sponsor Profile

Bridge City Tools

Bridge City Tool Works produces an array of innovative and immaculately crafted hand tools for residential and commercial use and has become recognized worldwide as the source of exquisite tools for woodworkers and collectors since its inception in 1983. Our company goals are concerned primarily with the design and manufacture of tools, based on the premise that craftspeople deserve, and should demand, accuracy and quality craftsmanship in their tools. The line of tools is on display at the Bridge City Tool Works Showroom in Montclair, California.

Website History

John Economaki began designing and hand-making custom furniture in the 1970's, after a brief stint as a woodshop school teacher in Portland, Oregon. After contracting pneumonia as a result of becoming hyper-allergic to wood dust, John switched from making furniture to designing and creating heirloom tools merging functionality with aesthetics. The first tool designed and produced was the Try Square in 1983 and hence Bridge City Tool Works was established. The success of Bridge City Tool Works was a result of John's commitment and tenacity in sharing his passion with his customers. He became renowned for his unique designs and superb workmanship, creating fine pieces that are treasured and passed down through generations. It is through the work of award-winning photographer, Joe Felzman that the designs of John Economaki's tools come to life in the "coffee table" style book, *Quality is Contagious*, published in 2015. The publication shares Felzman's photographs with Economaki's behind-the-scenes stories and documents the evolution of the signature designs utilizing the finest materials available. As the book demonstrates, there was no limit to the design parameters other than insuring that the tools met the needs of the craftsman who purchased them.

As the years went on, and economic trials prevailed, John began making products on a "pre-order" basis to minimize inventory costs. The vast majority of the tools were made to order in small production runs to keep inventories low. When the minimum order to forecast a run was reached, the tool went into production which often times required a wait period of 3-6 months.

In 2013, John met Jack Xu, owner of Harvey Machinery, a company established in 1999, that successfully sells woodworking machinery in the US as an OEM supplier to many of the giants in the woodworking industry. John had created the Chopstick Master and had looked to Jack to manufacture this product for him at the highest quality for retail sale. Harvey Machinery was selling their own line of machinery abroad in addition to 40 plus premium brands of US, Canadian, European and Japanese woodworking tools and equipment into China. As a result of that collaboration, Harvey Machinery began producing the Chopstick Master in addition to several other products for the Bridge City Tool Works line.

In 2018, after 35 years of day-to-day operations, John Economaki felt it was time to take a step back and focus his attention on what he enjoys doing most, designing tools. When John announced his desire to retire, Jack expressed his interest in purchasing the company. Because Harvey Machinery had already proven that their company could produce John's designs at the same level of quality that John had insisted upon, John agreed to the purchase and a licensing agreement for 25 tools for the Bridge City Tool Works line of products was created with Harvey Machinery. While the business model is changing away from the "pre-order" model to an "in-stock" model, the basics will not be changing. John Economaki continues to be involved in the design of new products for Bridge City Tool Works and will oversee quality control for those products while keeping the legacy, craftsmanship and style alive.

Website: <https://www.bridgecitytools.com>

Phone: Jolene Brown 1-800-253-3332 for direct orders

Address: Bridge City Tool Works

Harvey Industries International DBA Harvey Industries
10830 Ada Ave.

Montclair, CA. 91763

Guild Liaison: To Be Determined

CWG Sponsors

The Colorado Woodworkers Guild is fortunate to have many companies as sponsors. Our sponsors help the Guild with programs, materials, supplies, facilities, display space, financial, and other means. In many cases, Guild members are able to obtain discounts from our Sponsors (except for power tools and sale items). Please note: The Guild discounts only apply to in-person purchases in the store (except where noted) and are not available at any sponsor's online store. You must show a current membership card to obtain the discount

A Cut Above 16512 Arminta Street, 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

Collector's Specialty Woods 4355 Monaco Street, Unit A, Denver, CO 80216 (this is their Denver showroom and warehouse) and 8055 County Road 570 Gardner, CO 81040 (this is their southern Colorado wood yard, kiln drying facility, woodshop, and another showroom) Phone: 800-746-2413

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.signaturesmedallions.com

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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