



Encouraging all woodworkers in self-expression, craftsmanship and knowledge

Colorado Woodworkers Guild

March 2019



President's Message

Hello Everyone,

Spring is just around the corner and with that it brings our first show of the year, A Gathering of The Guilds Sunday, April 14, 2019 from 10am to 4pm. Kevin Loyd will need volunteers to work the booth. With that said, I would like to see if we can get volunteers to work the Chopstick Master 2 machines. I will be at the show with my set up and hopefully we will have a member or two who will bring their CM2 machines. I also hope Bridge City Tools will have them in stock this month for the Guild to buy one or two for members to man at our booth. If you want to work the Chopstick master and are not sure how it works, let me know. We can have a quick OJT for it at Rockler on a to be determined day and time prior to the show.

With the show lasting 6 hours I would estimate we would make about 18 pairs of chopsticks per machine. Depending on how many machines we bring to the show we will need at least 2 volunteers per machine to get us through the show. That would make one (3) three-hour shift per volunteer and give the volunteer a chance to see the show. So, by my math if we have (2) three CM2 machines we will need about 40 pairs of chopstick blanks for the show. If we have more machines, we will need more blanks. I guess what I am saying we have an opportunity to do a lot of face to face time with potential new members and spread the work about our great organization.

To summarize, I believe we need 4 volunteers to supervise the Chopstick Master 2 machines and 40 pairs of 1/4" X 1/4" X 10 5/8" hardwood blanks. Cherry blanks cut very easily and take the least amount of time and effort to make. I will have a sign-up sheet at the March meeting for you to sign up and participate in this fun event for the entire family.

Also, remember to bring any Arts & Crafts, Greene & Greene, or similar projects as it helps to have display items.

Dale Bowlin President

This Month's Demonstration

This month's presentation will be plane maker Jeremiah, making a picture frame with hand tools, starting with rough stock on through the finished frame. He has several complex molding planes to choose from, stuff that can't be copied with off the shelf router bits. How is that for a teaser.

<http://www.jwildingplanemaker.com/>

About Wood

Here we go with further coverage of some of the exotic woods. In this month, March 2019, we consider **Lignum vitae (Guaiacum officinale and G. sanctum)**. The genus name is derived from the Carib Indian (yes, from the Caribbean Sea region) name guayacan. In most of the world, **Lignum vitae** is also known as guaiacum wood, guayacan, ironwood, or palo santo. **Lignum vitae** is from the Zygophyllaceae, the caltrop family. There are at least 7 subspecies of the Guaiacum family growing in Florida, Texas, the Bahamas, Jamaica, throughout the Caribbean region, Central America, and northern South America. There are one or two species that grow in northern Africa and the Mediterranean region. Lignum vitae is the national tree of the Bahamas and the Jamaican national flower.

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.

Lignum vitae



Here is a summary of the characteristics of **Lignum vitae**:

Distribution: Mostly in the Caribbean region, Central America, and northern South America

Tree size: 20-30 ft (6-10 m) tall; 1-2 ft (.3-.6 m) trunk diameter

Average Dried Weight: 79 lbs/ft³ (1,260 kg/m³)

Specific Gravity: (Basic, 12% MC): 1.05, 1.26

Modulus of Rupture (MOR): 18,450 lb_f/in² (127.2 MPa)

Modulus of Elasticity (MOE): 2,043,000 lb_f/in² (14.09 GPa)

Crush Strength: 12,200 lb_f/in² (84.1 MPa)

Janka Hardness: 4,390 lb_f (19,510 N)

Shrinkage: Radial, ≈5%; Tangential, ≈8%; Volumetric, ≈13%; T/R Ratio, ≈1.6

Appearance: heartwood from olive to dark greenish brown to almost black, sometimes with reddish hue; tends to

sapwood

is narrow and pale yellow or cream

Grain/Texture: interlocked; fine texture and oily feel; bare wood can be polished to fine luster

Stability: seasoned wood has moderate dimensional stability

Relative strength: hard, heavy, and strong; resists abrasion
Decay Resistance: high natural resistance to decay and insect attack
Workability: very difficult to work because of high density; will dull cutters; difficult to get a strong and reliable glue joint;
turns and finishes well
Odor: mild perfume-like fragrance
Toxicity: reported to cause skin irritation; splinters can go septic
Potency: not well understood; probably low
Toxicity Source: wood oils and wood dust
Reaction: skin irritation
Sustainability: listed in the CITES Appendices or on the IUCN Red List of Threatened Species
Uses: tool handles, mallet heads, bearings, bushings, pulley wheels, and turned objects; when used as bearings
on turning shafts, the wood provides its own lubrication
Typical Cost: prices are very high; often sold by the pound
Comments: regarded as the heaviest and hardest wood in the world; durability in submerged or ground-contact
applications is exceptional; has been exploited to the brink of extinction; in the Latin, *Lignum vitae* means tree
of life or wood of life, especially because of the tree's many medicinal uses; note that because of the
high density, this wood will generally sink in water

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 Update: Tool Zone

The Tool Zone has been associated with and supported the Colorado Woodworkers Guild since 2011. The Tool Zone was founded in 1995 to serve the greater Denver, Colorado metro area tool enthusiasts, contractors and do-it-yourselfers. They occupy 10,000 square feet of retail and warehouse space at 8651 N Grant Street in Thornton. Their staff has extensive experience with woodworking, mechanical and construction tools and equipment.

Tool Zone aims to offer outstanding customer service with the highest quality products at the lowest possible prices. They have an extensive line of woodworking power and hand tools along with tools for other crafts and industries. Tool Zone offers Guild members a discount on purchases with a valid Guild membership card. If you would like to know more visit Tool Zone's website or the Guild's Sponsor liaison.

Tool Zone website: www.toolzone.com
Telephone: 303 252-8500 or 1 800 930-8665
liaison-toolzone@coloradowoodworkersguild.org

Frank Paxton Lumber Wood of the Month

The featured Wood of the Month for March 2019 from Frank Paxton Lumber is 4Q S3S Wormy Soft Maple in random widths and lengths.

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

Show & Tell February 2019

Thanks everyone for last Months show and tell entry. We had a total of seven projects for everyone's review. The first was a walnut and maple cutting board by Dennis Fomning.



Bill Knoll shared his (3) three candle holder which in made out of Cherry wood with his custom 1,2,3 finish on it.

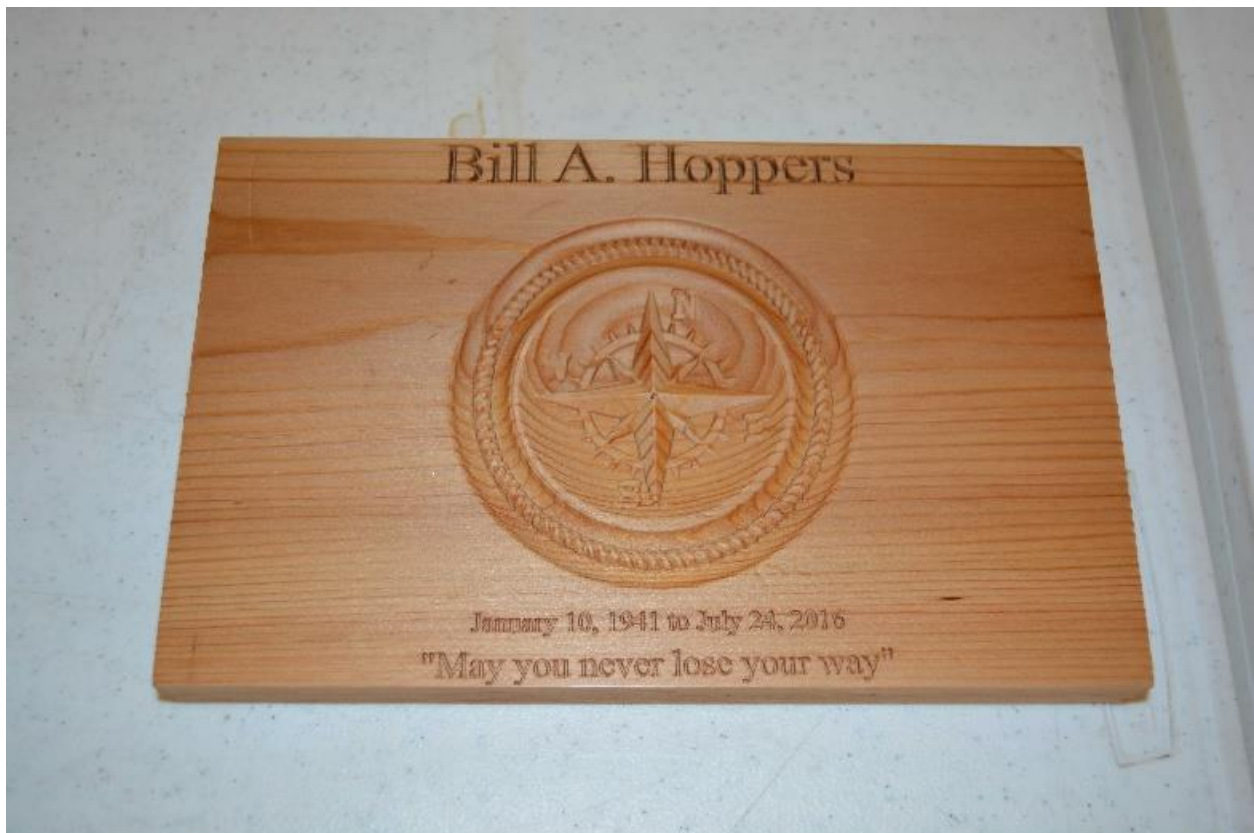


The next one was one of my favorites, Jesse Anthony Rocking Horse Music Boxes made from Poplar and variety of wood with Krylon Crystal finish. He has been making these for years and giving as gifts now to multiple generations.



What a treat to family and friends and his legacy in wood working.
Thank you Jesse.

This was a practice cut in Cedar for an urn top made for Bill Hoppers daughter. I believe Bill was a past president and quite the wood worker. He also donated a lot of hardwood to our Veterans Urn Program. The final cut was in Cherry wood and is with his daughter. She requested the compass theme with the rope outline which fits in well with his wood working pasion.

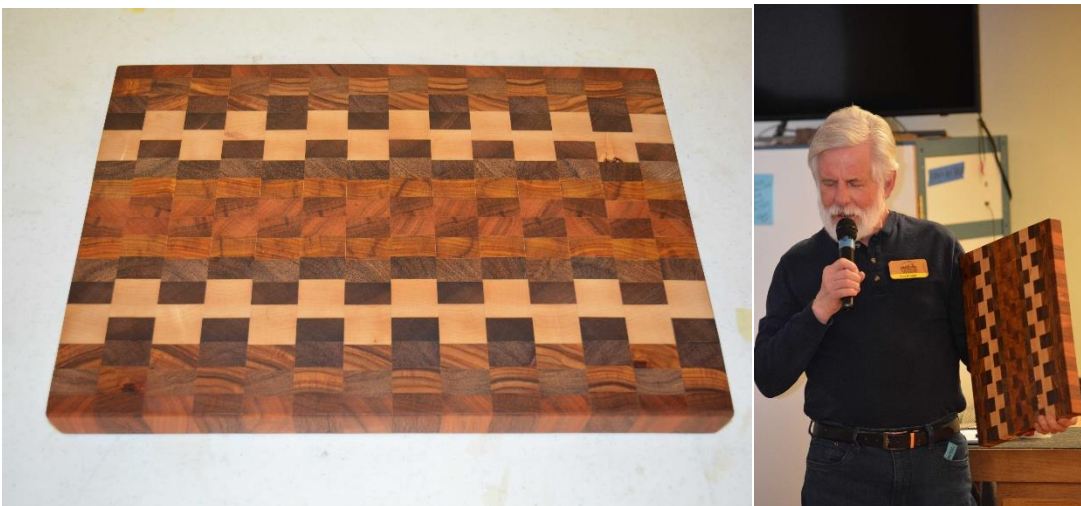


"May you never lose your way" humbly submitted by Dale Bowlin.

Greg Livingston cutting board was made with Padauk, Walnut and Cherry wood with a cutting board oil finish.



The next end grain cutting board was crafted by Don Prorak. He used a variety of hardwoods, Rosewood, Mesquite, Maple and Chechen to name a few. He used a mineral oil finish. I bet this is one solid and tough cutting board.



Last month's winner was a Sushi Set made from Maple and Walnut with Japanese style Wenge Chopsticks, Chopstick rests and sauce bowl. It has (4) coats of hand rubbed Howard Butcher Block finish. Dale Bowlin made this set for the Eaton Senior Community Foundation Annual Fund raiser.



<https://eatonseniorcommunitiesfoundation.networkforgood.com/>

Shows & Exhibits

Gathering of the Guilds – 2019

This year's Gathering of the Guilds will be held at a new location from prior years and new weekend. Instead of being at the Boettcher Mansion on Lookout Mountain the last weekend of April this year it will be at the American Mountaineering Center in Golden. The event will be on Sunday April 14th and runs from 10:00 to 4:00.

The event hosts a wide variety of participants, which like our group is made up of people deeply interested in their craft. In the past they have included bookbinders, printers, various metal workers, potters, calligraphers, weavers, leatherworkers, distillers and more.

The Guild is going to have a table at the Gathering again this year. I will be attending/volunteering the full day of the Gathering but would appreciate the company. If you want to volunteer to help cover the day please let me know. Also, we could use some pieces to display that are either Craftsman, Greene and Greene, or other styles contemporary to these. While this is an event put on by the Arts and Crafts Society the pieces do not need to strictly be in the Arts and Crafts style. If you want to and are willing to display your work, please contact me directly and thank you.

Kevin Loyd

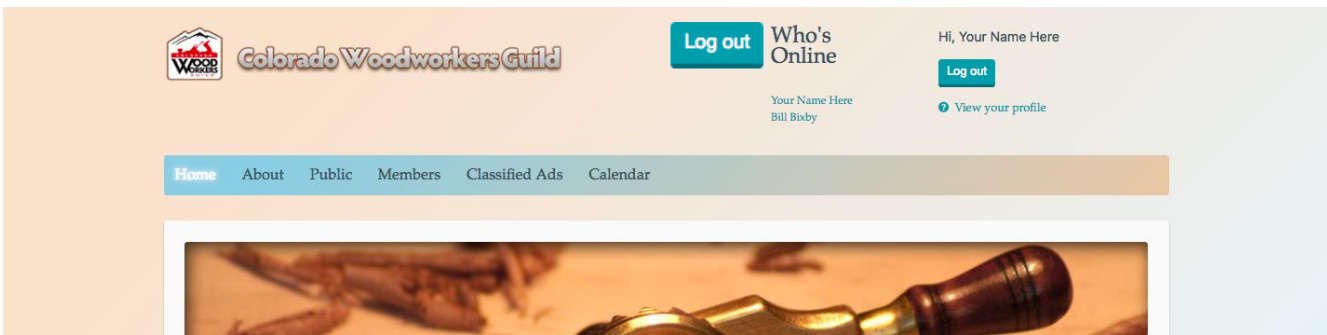
Shows & Exhibit

Membership

I'd like to talk about your member profile.

Specifically, about member interests. When you apply for a membership on line, the form has a section for Woodworking Interests. About 20% of our members have never provided this info. We'd like to use this information to plan classes and possible presentations. Here's how to update your member profile.

First log on to <http://coloradowoodworkersguild.org>. If, for any reason, you are unable to log on, please send me an email at programs@coloradowoodworkersguild.org and I'll help to get you logged on. Once you have logged on your screen should look something like this:

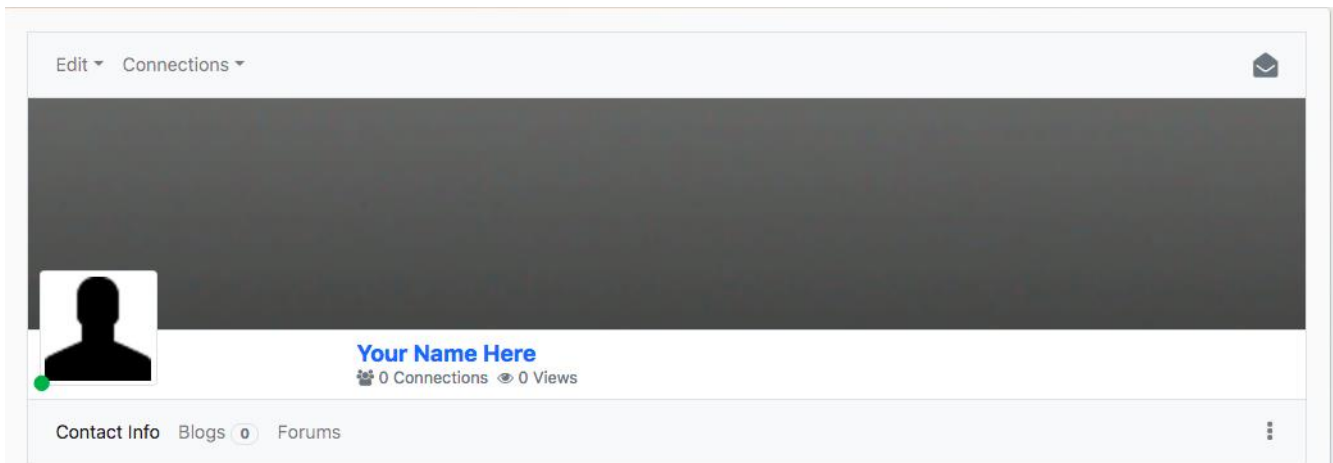


Next step is to go to your profile. Under the button

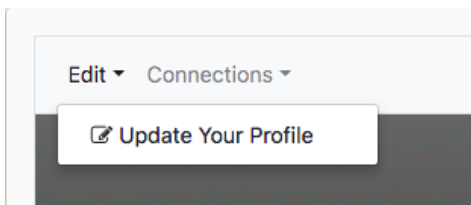
in the above picture is

[? View your profile](#)

Click this and you will see something like this:



Mouse over the "Edit" in the above picture and you'll see



Click on Update Your Profile and you will be able to adjust your profile. You could:

- Update your address, if it has changed or is incorrect
- Update your email (we do not share emails, but they are used to communicate with you)
- Update your Woodworking Interests

When you are finished making changes simply press either the Update or Cancel button at the bottom of the page.

If you have any questions about this, please feel free to send me an email at programs@coloradowoodworkersguild.org

Sincerely, Cary Goltermann

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

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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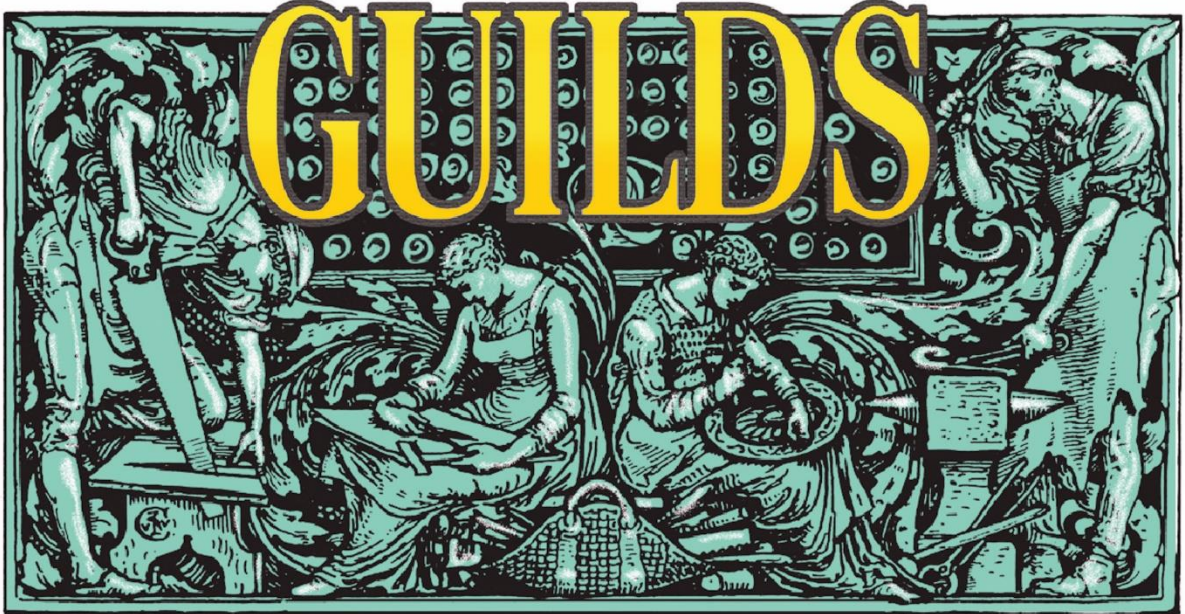
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The Colorado Arts and Crafts Society Presents
A GATHERING OF THE



THE COLORADO ARTS AND CRAFTS SOCIETY'S ARTISANS GUILD FORUM
A PRESENTATION OF THE BEST IN COLORADO FINE CRAFTSMANSHIP

SUNDAY, APRIL 14, 2019
AMERICAN MOUNTAINEERING CENTER
710 10TH STREET, GOLDEN, COLORADO
10 A.M. TO 4 P.M.

Art | Calligraphy | Ceramics | Distilling | Glass | Home Decor | Illustration
Jewelry | Leather | Metal | Paper | Textiles | Woodwork

Information, Demonstrations, Workshops and Presentations

**ARTISANS WILL SELL THEIR WARES
& GIVE HANDS-ON DEMONSTRATIONS
& PRESENTATIONS ABOUT THEIR CRAFT**

\$5 GENERAL ADMISSION

MEMBERS OF PARTICIPATING GUILDS ADMITTED FREE

