

Knothole News

www.greencountrywoodworkers.org



PRESIDENT'S MESSAGE



Why are we woodworkers? What is it that we love about woodworking? I asked myself these questions and found them hard to answer. I like the creativity aspects whether it is my own wood plan or not.

There is a great deal of satisfaction from completing a project and seeing the result of the final product. Also it provides us with a sense of purpose whether it is building toys 4 tots, a project for a family member, yourself or someone else.

Whatever the reasons I am thankful to be a woodworker!

Happy Thanksgiving!

Vinton Knarr

Officers

President

Vinton Knarr 918-508-5898

Vice-President

Gregg Zumwalt 918-605-2761

Secretary

Bill Morgan 918-369-6435

Treasurer

Mike Ruttgen 701-207-0712

Club Committees

Luncheon

Bill Morgan 918-369-6435

Membership Management

Vacant

Newsletter

Ray Hucek 918-619-2980

Toy Wheels & Axles

Jim Rouse 918-636-9286

Webmaster & Photographer

Arthur Barber 918-671-2437

Toys 4 Tots Coordinator

Bill Nay 918-492-8481

THIS MONTH'S MEETING

Thursday, November 14, 2024 @ 5 PM

Earle Smiths Shop

TOYS FOR TOTS CLUB BUILD

Minutes from Last Month's Meeting

The GCWW club met on 10/10/24 at the Hardesty branch library. In attendance were Vinton Knarr, Bill Nay, Gregg Zumwalt, Robert Karl Rothenbucher, Jeff Reinwand, David Summers, and Bill Morgan.

Vinton Knarr called the meeting to order and introduced David Summers who is associated with Woodcraft.

Both Vinton and Gregg received an e-mail from a lady offering to donate her late husband's stock of wood to the club. She included a photo and the wood appears to be mostly cut offs. Jeff Reinwand lives relatively close to the lady's house and he agreed to arrange to take a look at the wood so we can judge how much there is and figure out where we might be able to store it.

Mark and Lisa Morgan described their band sawmill operation at a previous meeting and invited the club to visit their operation. Vinton and Bill Nay are following up on this and Saturday 10/26 was suggested as a possible date to do that. They will contact the Morgans to work out the details - and then communicate them to the membership.

Bill Nay updated everyone on the progress for this year's Christmas toy build and showed samples of the toys we're building. Next month's meeting will be at Earle Smith's shop where we'll put the finishing touches on the toys and enjoy a pizza dinner. The Nov. meeting will start at 5:00 PM rather than our normal 6:30 meeting time.

The December meeting will be at the Silver Skillet restaurant at 6:00 PM when we'll present the toys to the Toys for Tots representatives

Jeff Reinwand works in computer aided design and manufacturing and he agreed to review some of the basics of the CAD/CAM world and how it can be used in woodworking. While the sophisticated equipment Jeff uses in his work may be beyond what most of us need (or can afford), there are a number of ways the technology can be used without a large investment.

As a means of demonstrating how it can be used, Jeff downloaded the design of the dump truck we're building for Christmas to a CAD program that is available on-line at no cost. He showed how the 2 dimension drawing can be displayed in 3 dimensions and then rotated to see what it looks like from different angles. With a few clicks he showed how easily a dimension can be changed and the design updated accordingly. More sophisticated programs can also change all the component's dimensions to maintain the original proportions.

Jeff recently designed and built a decorative hall table and went over the approach he used to arrive at the end result.

Using a CAD program he was able to evaluate a number of different apron and leg designs for the table and display them side by side from different vantage points. After he made his selection he used the program to have a full size drawing of the table printed out so he could physically check how the table would fit in the available space. Many of the table's parts are curved and Jeff was able to use the program to download data to a numerically controlled machine to produce the required router templates.

Jeff discussed several of the CAD programs available on-line - - some of which are free or available at a moderate cost. For a novice, there are a lot of U-Tube videos available where the basics can be learned. He belongs to the "Fab Lab" which has a number of Cad systems and numerically controlled machines which members can purchase time on. He showed a light box which he built there. The box is made from veneer material, incorporates box joints and laser cut designs on the sides. The box utilizes a small battery powered candle to illuminate the box from inside.

Minutes from Last Month's Meeting

SHOW AND TELL:

Vinton brought in a couple of games that he recently built. One is an open topped box that is divided into sections. one side has a "launch port" where a spinning top can be released into the box. Each section of the box has openings that the top can pass through to knock down a wooden "man" or pin that is placed in the center of the section. The geometry of the openings is such that the top ricochets around the box and knocks down some or all of the pins. The winner of course is the person who knocks down the most pins.

The other game consists of an open box with a center divider with a slot in the center. Each half of the box is equipped with an elastic band that is used to propel a number of wooden discs through the slot to the opposite side. Each player has a number of colored discs and the objective is to get all of the discs onto your opponents side.

TOYS FOR TOTS BUILD

Assembly workers needed for the build! We need at least 10 guys! We are going to do final assembly on about 200 dump trucks. Arrive between 5-6:00 and pizza will be served around 6:30. Many hands make light work!

Photos From Last Month's Meeting

GCWC Bank Balance is \$1,779.60 as of 11/2/24
Mike Ruttgen



Turning a replacement bedpost finial for 12 yr old granddaughter of church friend.



Little library for church, for inside so not worried about Waterproofing made it a little easier. Plexiglass and hardware new, balance of project scavenged or leftovers.

For Sale



Selling a Rigid belt/spindle sander. Only used once making Toys For Tots last year.

It is in excellent condition and asking \$249.

Earle Smith 918-404-6442

“OSAGE ORANGE” from www.wood-database.com



Common Name(s): Osage Orange, Horse Apple, Hedge Apple, Bois d’arc

Scientific Name: *Maclura pomifera*

Distribution: South-central United States

Tree Size: 50-60 ft (15-18 m) tall, 1-2 ft (.3-.6 m) trunk diameter

Average Dried Weight: 54 lbs/ft³ (855 kg/m³)

Specific Gravity (Basic, 12% MC): .76, .86

Janka Hardness: 2,620 lbf (11,640 N)

Modulus of Rupture: 18,650 lbf/in² (128.6 MPa)

Elastic Modulus: 1,689,000 lbf/in² (11.64 GPa)

Crushing Strength: 9,380 lbf/in² (64.7 MPa)

Estimated crushing strength from data of green wood at: 5,810 lbf/in² (40.1 MPa)

Shrinkage: Radial: 3.8%, **Tangential:** 5.6%, **Volumetric:** 9.2%, **T/R Ratio:** 1.5

Color/Appearance: Heartwood is golden to bright yellow, which inevitably ages to a darker medium brown with time: primarily due to exposure to ultraviolet light. See the article Preventing Color Changes in Exotic Woods for more details.

Grain/Texture: Grain is straight, with a fine to medium texture. High natural luster.

Endgrain: Ring-porous; large to very large earlywood pores 2-3 pores wide, small latewood pores in clusters and tangential bands; tyloses extremely abundant; growth rings distinct; narrow to medium rays visible without lens, spacing normal; parenchyma vasicentric, lozenge, and confluent.

Rot Resistance: Osage Orange is extremely durable and is considered to be one of the most decay resistant woods in North America.

Workability: Working this Osage Orange can be difficult due to its hardness and density, though it is reported to have little dulling effect on cutting edges. It turns well, and also takes stains, glues and finishes well.

Odor: No characteristic odor.

Allergies/Toxicity: Sap has been reported to cause dermatitis. See the articles Wood Allergies and Toxicity and Wood Dust Safety for more information.

Pricing/Availability: Having typically small, crooked, and knotty trunks, Osage Orange isn’t usually harvested for lumber, but can occasionally be found for sale in either board or small turning block form. Due to its domesticity and adequate supply, the price should be moderate, though likely to be higher than most other native lumbers on account of its “specialty” status.

Sustainability: This wood species is not listed in the CITES Appendices or on the IUCN Red List of Threatened Species.

“OSAGE ORANGE” from www.wood-database.com



Common Uses: Fence posts, dye, archery bows, musical instruments, turnings, and other small specialty wood items.

Comments: Osage Orange has a relatively low modulus of elasticity compared to its weight and modulus of rupture which helps explain why it is sometimes used for archery bows. It's sometimes called Bois d'arc, which literally means “bow wood” in American French. The wood is also very stable, with little seasonal/environmental movement.

One helpful characteristic that can help separate it from lookalikes such as Mulberry or Black Locust (besides being heavier) is that Osage Orange contains a water-soluble yellow dye, so putting shavings into water will turn the water yellow.

Commonly, the wood of a related South-American species—*Maclura tinctoria*—is imported as Argentine Osage Orange. This imported wood has the advantage of being available in larger sizes, with boards having less knots and defects than the smaller domestic species, *Maclura pomifera*. (Though it appears, at least on paper, that *Maclura pomifera* has a lower modulus of elasticity, making it more flexible—which may be good or bad depending upon the intended application.)

Osage Orange has been shown in studies to produce more BTUs when burned than any other domestic hardwood, and is accordingly sometimes used as fuelwood.

MEETING LOCATION

I wonder how fast this ostrich was going when he hit the fence!

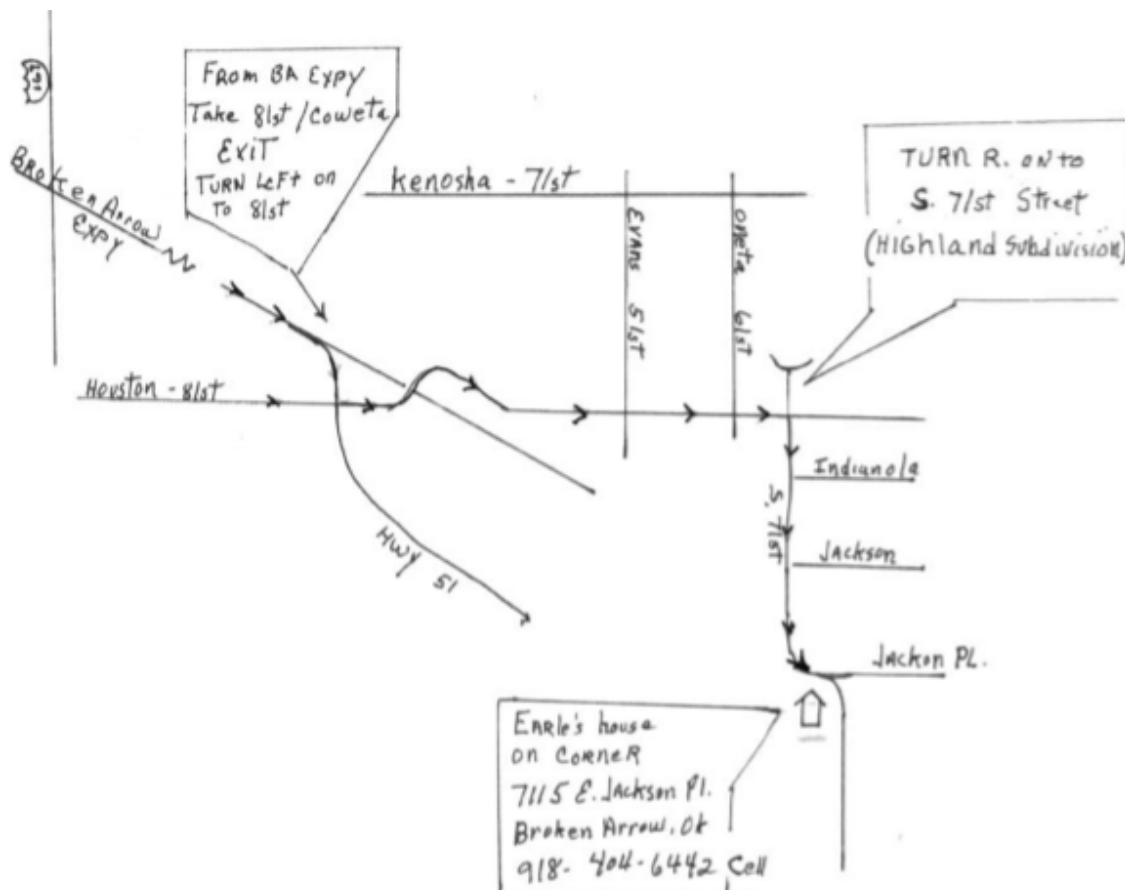


Earle Smith's
Shop

7115 East
Jackson Place

Broken Arrow

918-404-6442



GREEN COUNTRY WOODWORKERS

The Green Country Woodworkers are made up of men and women who are interested in woodworking as a hobby.

The monthly meetings are conducted as educational forums for the benefit of our members and guests. We have idea exchanges, problem solving sessions, safety tips and tool tips plus a main speaker on topics related to woodworking in all its phases.

The club sponsors community service projects such as making Toys for Tots at Christmas and supporting Beads of Courage by turning bowls and making boxes for children undergoing cancer treatment at Children Hospital at Saint Francis. The containers hold the children's beads. The beads represent their treatment progress.

KNOTHOLE NEWS

c/o Ray Hucek
rayhucek@gmail.com
(918)619-2980 mobile

OBJECTIVES

- To provide the Knothole News, a monthly newsletter
- To promote woodworking and participate in woodworking and craft shows to inform the public of club activities
- To make wooden toys which are donated to selected organizations throughout the year
- Monthly Show & Tell; all items entered in the show and tell will be presented to the membership by the builder

Membership applications are available at each meeting from the club secretary or treasurer. At this time, no membership fee is charged.

MEETINGS

The club meets on the second Thursday of each month at 6:30PM at Hardesty Regional Library.

We also have a monthly dinner/social on the 4th Thursday of the month at 6:00PM; the location is determined during the regular monthly meeting.

WWW.GREENCOUNTRYWOODWORKERS.ORG

Please be sure to check out our web site for more information about the organization, past Knothole News publications, pictures, resources, etc.

