

Knothole News

www.greencountrywoodworkers.org



PRESIDENT'S MESSAGE



Greetings,

Greetings and welcome to Spring. I've been stirring up sawdust instead of making it and have a list of "Woodworking stuff" in the For Sale section (take a look) that I have accumulated over the years and sorted out in my beginnings of Spring cleaning. Long way to go yet, need to make room and give some proof to my claim of not being a hoarder!

The Library has notified us that the meeting room will not be available for May. Are you willing to host? Give it some thought and let me know.

Amazing as it sounds, it's not too early to start thinking hard about our Christmas toys for the Marine Corp "Toys for Tots" program. Ideas, plans and discussion are in order.

It is also time to begin the process of Club elections. Hope to see you Thursday.

Bill Nay, President. (918) 492-8481

THIS MONTH'S MEETING

Thursday, April 11, 2024 @ 6:30 PM

Hardesty Regional Library, **Pecan Room**

8316 E 93rd St, Tulsa, OK

Bill Morgan is doing the program Thursday on glass cutting.

Officers

President

Bill Nay 918-492-8481

Vice-President

Gregg Zumwalt 918-605-2761

Secretary

Bill Morgan 918-369-6435

Treasurer

Mike Ruttgen 701-207-0712

Club Committees

Continuing Board Member

Harold Blalock

Luncheon

Bill Morgan 918-369-6435

Membership Management

Vacant

Name Tags

Mike Ruttgen 701-207-0712

Newsletter

Ray Hucek 918-618-2980

Program Coordinator

Vacant

Toys / Show & Tell

Betty Zumwalt 918-249-4663

Toy Wheels & Axles

Jim Rouse 918-636-9286

Webmaster & Photographer

Arthur Barber 918-671-2437

Minutes from Last Month's Meeting by Bill Morgan

The GCWW club met on 3/14/24 at the Hardesty Branch Library. In attendance were Bill Nay, Gregg Zumwalt, Jim Rouse, Harold Blalock, Arthur Barber, Roger Hartley, and Bill Morgan.

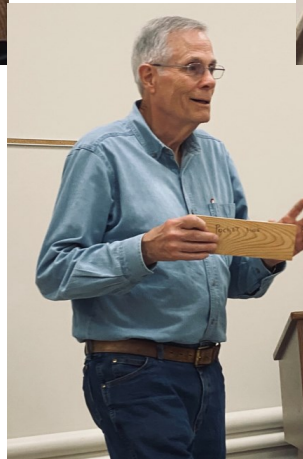
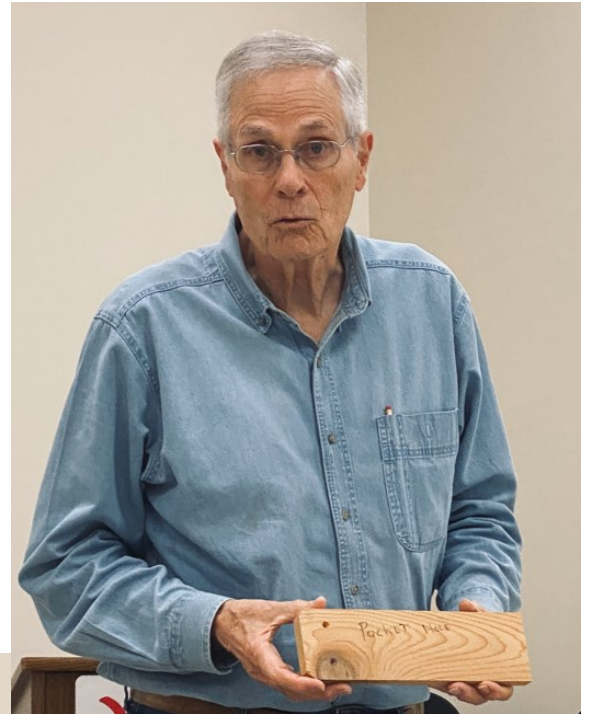
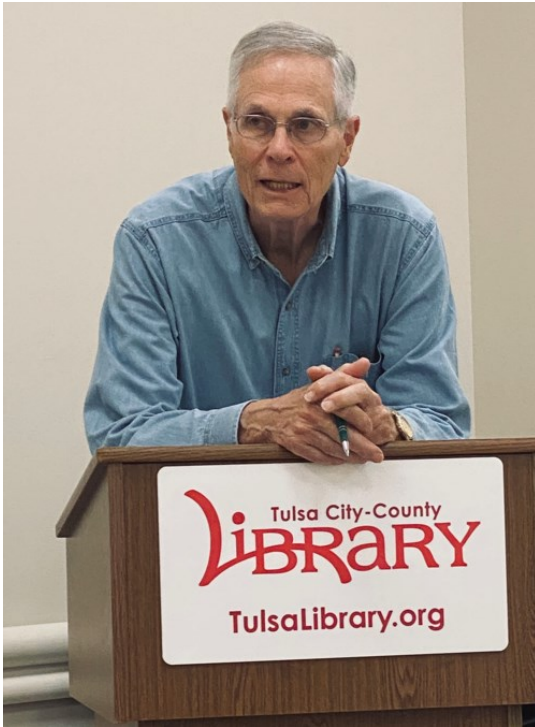
Jim Rouse brought in a segmented turntable that he built, in part, to utilize some small pieces of purple heart left over from a previous project. He also gave us a status report on a dining room table he's building for his daughter using black walnut. He's looking for some 4"X 4" walnut for the legs - and he got a few recommendations from the group.

- Arthur Barber brought in a couple of turning projects he's been working on. One is a cherry bowl with a live edge. The uneven top edge of the bowl presents a challenge to properly mount the piece in the lathe for the hollowing of the bowl. There's also the problem of keeping the bark in place. When the bark is loose, it can be glued in place and Arthur explained how in this case he had done that and pointed out the nearly invisible glue line,
- The other piece Arthur brought in was a bowl turned from a piece of sycamore that was only partially spalted. Since the spalted side of the bowl is considerably lighter than the unspalted side it results in a very unbalanced blank to turn.

For the evening's program, Bill Nay continued his discussion of joinery by expanding on last month's presentation on butt joints. One of the most common situations where a butt joint is needed is the case of a board just needs to be a little longer. Sometimes that's the result of a bad measurement or a bad cut - - or it's just having forgotten that old rule of cutting all the long pieces first. Bill said all the joinery he would present would work on an end-to-end joint, traditionally known as the butt joint, but most would also work on other joints. The pure butt joint may not be the strongest joint, but the question is "is it strong enough?" If in doubt then we can look at various methods to reinforce it by adding mechanical strength with material or a different cut or profile. If the extension needed is in a place that is hidden on the finished product or one where there is no stress on the joint, almost any glue joint method will work just fine. Bill discussed the importance of a "well glued" joint in any of the examples and suggested that a simple butt joint it pretty strong and presented a sample. He suggested consideration of the wood species characteristics, grain direction, thickness, width, forces it must withstand and longevity desired when looking at choices.

Bill went over a number of ways of making a butt joint that is both strong and presentable. He presented samples and discussed the pros and cons of a number of methods including simple backing strips, pocket hole screws, half lap joints, spline joints, loose tenons, dowels, finger joints, box joints, bevel joints, and "scarf" (angled bevel) joints and lock miter router bit. He reminded us that long grain is our glue up friend.

Photos From Last Month's Meeting



Content Submitted by Club Members



I made this cutting board for my niece. The board is Walnut, Maple and Purpleheart. That isn't an idea color combination for me, but that is what she wanted.

Ray Hucek

For Sale

WOODWORKING STUFF FOR SALE / if interested contact Bill Nay by phone or text

@ (918)492-8481 for photos or questions

Adjustable Roller Stand, very versatile, collapsed = 20"x25"x25", 9 - 20" rollers, locking casters, compare to Shop Fox at \$400 price - \$150

HTC Folding outfeed roller table for tablesaw. See Affinitytools.com for comparison at \$450. \$250

Porter Cable Profile Sander kit, missing a few profiles. \$20

Vintage Sears Dovetail Jig \$1

Porter Cable Model 342 ¼ sheet Palm Grip finishing sander with vac fitting. \$30

Makita Model 9910 3x18" belt sander, in box. \$50

Vintage B&D #7451 3x24 belt sander. \$30

Skill Palm grip sander ¼ sheet. \$30

Vintage Craftsman 9-11640 dual motion 1/3 sheet sander, in box. \$40

Klingspor 6" 6 hole, hook & loop sanding discs, 150, 220 & 320 grits. 5 discs for \$1

Vintage Craftsman 3 ½" Power hand planer, in box. \$30

Vintage Model 315.175010 Plate (biscuit jointer). \$30

Vintage B&D 7519 2 speed jig saw, in box. \$30

HVLP 1000 spray gun set. \$35

DW 792 15gal Shop Vac, like new. \$90

DW 723 Miter saw stand, mounting brackets, support/stops (could use for planer and other bench top tools). Excellent condition, compare to new at \$230. \$150

Sears Craftsman 24510 compound miter saw, in box. \$50

Dust collection cyclone separator, shop made, 4" dust right fittings on 15 gal (+-) casters. \$20

Delta 2 stage cyclone Dust Collector, 1 hp, 770 cfm, 40gal (+-) barrel on casters, 6" inlet with y to 2x4" hoses, 2 dust bags (one new Rockler), remote. \$100

Dewalt 9057 7.2v angle/inline portable drill, new in case. \$50

Ryobi drills, 3 with chargers, no batteries. \$1

No name 18v cordless drill, case no batteries or charger. \$1

Small router table, 13"x15" aluminum table with miter slot mounted on 1"+ board with fixed base craftsman router, shop made fence with dust port, starter pin. Used for demo at recent meeting. \$40

Porta-nails 16"x20" universal aluminum router table, horizontal-vertical&overhead pin (pattern) option. Elu router on lift, ½ hp Craftsman for horizontal lift. Shop made jig for mortise & tenon joinery. Mounted on board. \$200

For Sale

WOODWORKING STUFF FOR SALE / if interested contact Bill Nay by phone or text @ (918)492-8481 for photos or questions

Wood Rat (Router Boss), acquired used and may be missing some pieces. I replaced broken cable and never got around to getting it set up. An interesting and versatile machine. A new one is well over \$1,000. \$150

Skill 1823 1 ½ hp plunge router, in box. \$50

Porta-mate jaws heavy duty portable foot operated vice. Versatile, new. \$80

Dual roller & ball bearing adjustable height (27"-40") stock support stand. Very sturdy 4 leg. \$75

Heavy aluminum fence from drill press with quick clamp for T track, T tracks front, back & top. \$25

Accuset 18ga ¼" narrow crown stapler, in case. \$50

Porter Cable 18 ga ¼" narrow crown stapler, in case. \$50

Porter Cable Bammer fuel cell 16 ga cordless finish nailer kit, lightly used for one crown molding remodel project over 10 years ago. \$80

Craftsman 9-54269 propane torch kit, tank, hose & pistol grip torch with sparker, case. Plus Benzomatic torch tip. \$30



Ready To Ship
8" X 13" VARIABLE-SPEED
BENCHTOP WOOD LATHE...
\$249⁰⁰



More on the Way
12" X 18" VARIABLE-SPEED
BENCHTOP WOOD LATHE...
\$395⁰⁰

I am in the market for a benchtop lathe like these Grizzly models if you happen to hear of one. -
Lou Toto

“TRUE HICKORY” vs. “PECAN HICKORY” from www.wood-database.com

TRUE HICKORIES:

- **Pignut Hickory** (*Carya glabra*)
- **Shellbark Hickory** (*Carya laciniosa*)
- **Shagbark Hickory** (*Carya ovata*)
- **Mockernut Hickory** (*Carya tomentosa*)

PECAN HICKORIES:

- **Water Hickory** (*Carya aquatica*)
- **Bitternut Hickory** (*Carya cordiformis*)
- **Pecan** (*Carya illinoensis*)
- **Nutmeg Hickory** (*Carya myristiciformis*)

The *Carya* genus (or what is more commonly referred to as Hickory) is divided into two main groupings: true-hickory, and pecan-hickory. Species in the true-hickory group tend to be slightly denser, and therefore a bit harder and stronger than the species in the pecan-hickory group. However, because the two ranges of densities so closely overlap, using the weight of the wood to separate hickory is unreliable.

Distinguishing between these two groups of hickory is fairly straightforward. The quickest and easiest means of differentiating them is by observing the bands of parenchyma—in pecan-hickories, the bands are present in both the earlywood and latewood portions of the wood. In true-hickories, the bands of parenchyma are absent from the earlywood portion of the wood.



Shagbark Hickory (endgrain 10x)



Pecan (endgrain 10x)

The sample of Shagbark Hickory on the left lacks parenchyma bands in the earlywood zone—characteristic of true-hickory. The sample of Pecan on the right shows uninterrupted bands even through the earlywood zone, indicating pecan-hickory. (Click for enlargements)

In addition to the continuous parenchyma bands (in reticulate pattern), another indicator of pecan-hickory is a tendency to be more semi-ring-porous rather than strictly ring-porous, with a more gradual transition from the larger earlywood pores to the smaller latewood pores. However, although the two groups of hickory can be reliably separated, identifying particular species within each grouping is usually not possible.

“SHAGBARK HICKORY” from www.wood-database.com



Common Name(s): Shagbark Hickory

Scientific Name: *Carya ovata*

Distribution: Eastern United States

Tree Size: 65-100 ft (20-30 m) tall, 1-2 ft (.3-.6 m) trunk diameter

Average Dried Weight: 50 lbs/ft³ (800 kg/m³)

Specific Gravity (Basic, 12% MC): .64, .80

Janka Hardness: 1,880 lbf (8,360 N)

Modulus of Rupture: 20,200 lbf/in² (139.3 MPa)

Elastic Modulus: 2,160,000 lbf/in² (14.90 GPa)

Crushing Strength: 9,210 lbf/in² (63.5 MPa)

Shrinkage: Radial: 7.0%, **Tangential:** 10.5%, **Volumetric:** 16.7%, **T/R Ratio:** 1.5

Color/Appearance: Heartwood tends to be light to medium brown, with a reddish hue; sapwood is a paler yellowish brown. Boards with contrasting heartwood and sapwood create a somewhat rustic appearance that's sometimes marketed as Calico Hickory.

Grain/Texture: Grain is usually straight, though occasionally wavy, with a medium texture.

Endgrain: Ring-porous; large to very large earlywood pores in a single intermittent row, medium to small latewood pores solitary and radial multiples of 2-3, few; tyloses common; parenchyma reticulate (bands absent from earlywood row in true hickory group, but present in pecan hickory group); narrow rays, close spacing.

Rot Resistance: Considered to be non-durable to perishable regarding heartwood decay, and also very susceptible to insect attack.

Workability: Difficult to work, with tearout being common during machining operations if cutting edges are not kept sharp; the wood tends to blunt cutting edges. Glues, stains, and finishes well. Responds well to steam bending.

Odor: No characteristic odor.

Allergies/Toxicity: Besides the standard health risks associated with any type of wood dust, no further health reactions have been associated with Shagbark Hickory. See the articles Wood Allergies and Toxicity and Wood Dust Safety for more information.

Pricing/Availability: Various species of Hickory and Pecan (*Carya* genus) are typically mixed together and simply sold as Hickory. Prices are usually in the low to mid range, depending upon local availability. Hickory prices should compare similarly to other utility hardwoods such as Red Oak or Soft Maple.

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

Common Uses: Tool handles, ladder rungs, wheel spokes, flooring, etc.

Comments: Hickory is among the hardest and strongest of woods native to the United States. On average, Hickory is denser, stiffer, and harder than either White Oak or Hard Maple. The wood is commonly used where strength or shock-resistance is important.

MEETING LOCATION

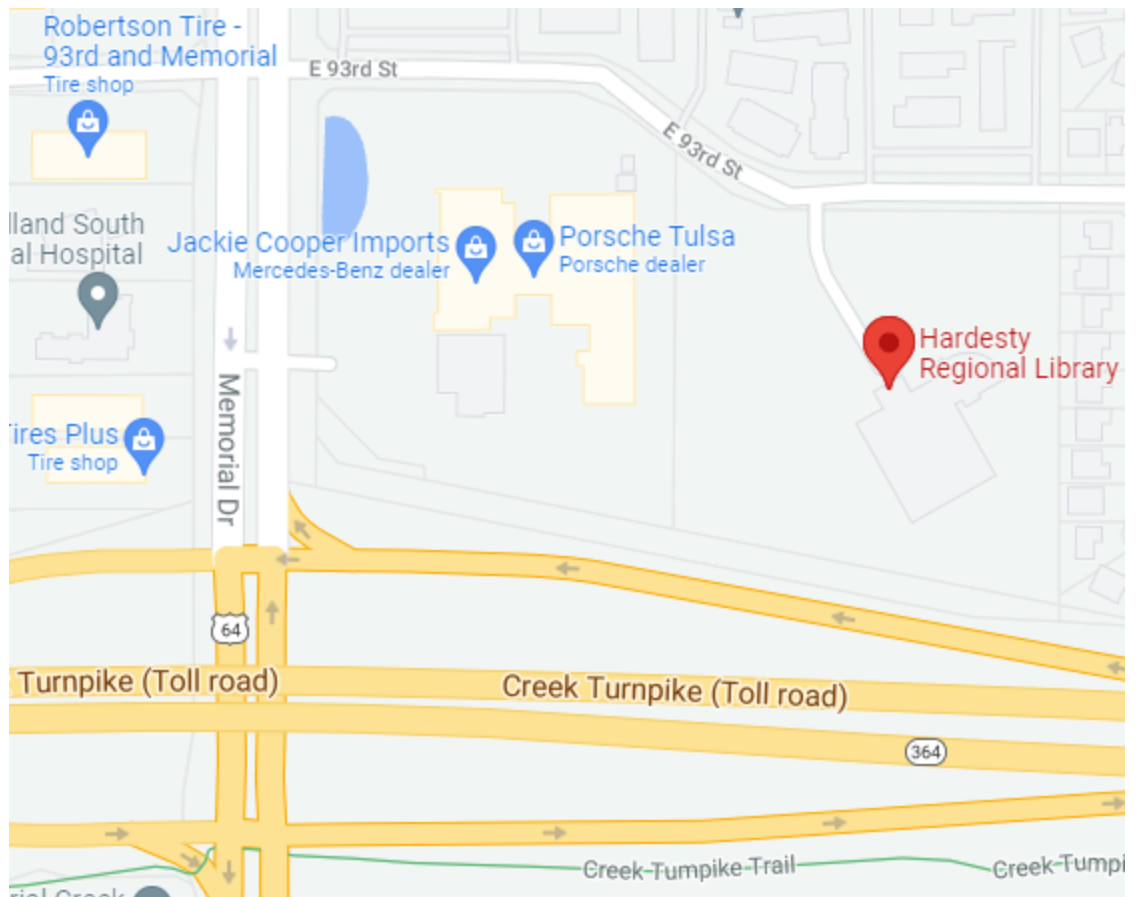


“Mr. Barnes is here again to speak about woodworking safety. Unfortunately, I missed his first speech.”

Hardesty
Library

Off of
S Memorial Dr
and
E 93rd St

8316 E 93rd St
Tulsa, OK 74133



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

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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.

