

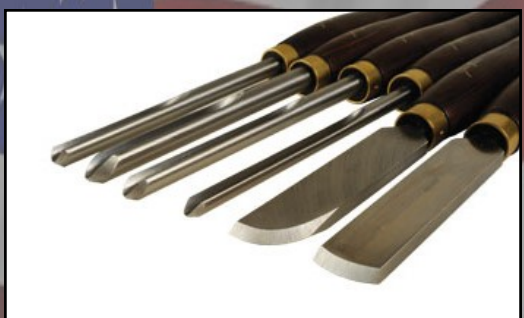
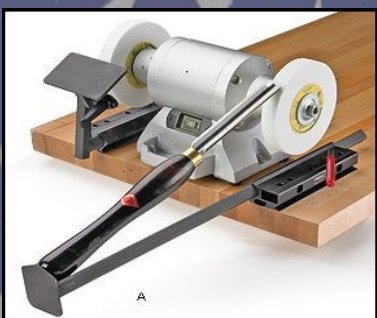
July 2018



July's Demonstration

Sharpening

Never a dull moment



At the July meeting, Tom Shields, our Treasurer, will provide a program on sharpening your tools. Being able to properly sharpen your tools is an invaluable skill in this craft. Sharp tools will cut cleaner and certainly easier and are therefore easier to control.

In this issue:	Community Involvement.....5	Sharing Corner.....9
July meeting program.....1	Programs.....5	Safety Spotlight.....10
The Call of the Lathe.....2	Show and Tell.....6	Trees of NE Kansas.....11
June meeting minutes.....3	June's Program recap.....8	Club Information.....12

<http://flinthillswoodturners.org>

July 2018

The Call of the Lathe



I have enjoyed our woodturning club so much! Show and Tell always inspires me and we have had some terrific demonstrations. Thank you for making things all along so when the meeting comes around, you have a new piece to bring to share with your fellow woodturners. I especially encourage new woodturners to bring your work. We love to see how you are doing and be able to encourage you in your efforts.

As I write this, tonight is our second Skill Enhancement session for June. We have two members coming who haven't been to a SE session before and I am pretty pleased they will be here. We have upgraded one of our mini lathes from a Delta 46-250 to a Delta 46-460, an increase in diameter of 2" and an addition of variable speed, forward and reverse, indexing, and weight. That gives us two of those so I hope you will start coming to use them.

Just like in the kitchen where a sharp knife is essential to success, a sharp woodturning tool is also essential to

success. At the July meeting, Tom Shields, our Treasurer, will provide a program on sharpening those tools. Being able to properly sharpen your tools is an invaluable skill in this craft. Sharp tools will cut cleaner and certainly easier and are therefore easier to control. A proper sharpening system is one of the big three must-haves in order to be a woodturner. The Big Three are a lathe, a sharpening system, and woodturning tools for the task at hand. Oh, and you need wood.

As July comes upon us, I urge you to start thinking about Christmas gifts. There are lots of things you can make for family and friends such as bowls, plates, trays, vases, bottle stoppers, pens, and trinkets such as pizza cutters, pie scoops, coffee scoops, pepper mills, and a myriad other things. Make a list of who and what and have at it.

Tom Boley—President

The monthly meeting of the Flint Hills Woodturners began at 9:00 a.m., June 2, 2018 at the Golden Prairie Honey Farms, located at the Green Valley Industrial Park, 8859 Green Valley Drive, Manhattan, Kansas.

President Tom Boley called the meeting to order.

The meeting began with Show and Tell. Ray Case, Victor Schwarz, Joe Davis, Melissa McIntyre, Randy Zelenka, Dennis Biggs, Colton Haug, and Bob Holcombe shared their recent woodturning work with the club.

Officers' Reports:

President: Tom Boley made available copies of the new FHW brochure and asked members to give them to anyone interested in woodturning. The club's Delta mini lathe was auctioned and sold to Tod Salfrank. Tom asked for comments regarding the revisions to the club's by-laws and SOP; there were none and the revisions were voted on and approved. Consequently, Bob Holcombe will stay on the board as a member-at-large, and Ray Case will assume responsibility for the newsletter. The owner of The Grind Sharpening Service attended the meeting and described the blade sharpening services his company offers, including pick-up and return services. Sharpening takes about two weeks and the blades are sharpened to manufacturer's specifications.

Vice President's Report: no report

Treasurer's Report: no report

Secretary's Report: no report

Program Director: Dennis Biggs reported that Tom Shields will give the July demonstration on sharpening; Joe Davis will do a demonstration on making hammer handles in August, September there will be Tips and Tricks demonstrations by various members, the October demonstration is open, and Tom Boley will do a demonstration in November (the topic to be determined later). Dennis asked Bob Holcombe to give a brief autobiographical description of himself; Dennis will ask a member each month to do the same so members can get to know one another better.

Operations Director: Steve Bietau reported we will be at Camp Tomah Shinga on June 6 assisting the Independence Woodturning Club by providing hands-on instructions of pen turning to campers. Steve asked for volunteers to help.

Newsletter Editor: Ray Case encouraged members to make suggestions and to submit materials for the newsletter. He anticipated once the website is operational, the newsletter will be scaled down.



Website: Tom Boley noted progress is being made in developing a new website, but the recent fire in Hale Library has prevented our current webmaster, Don Eisele, from transferring information from the existing website to the new one.

Demonstration: This month's demonstration was by Flint Hills Woodturners member Ray Case on making a three corner bowl. Ray began with turning a cylinder on the lathe, then he rotated the cylinder ninety degrees three times and turned the cylinder after each rotation. After turning the piece in each of the three orientations, a cube emerged. Next, three times he remounted the cube, each time at different opposing corners of the cube and turned the cube in the three separate orientations. He then evaluated the pieces to determine its final orientation (what was to the top and the bottom of the bowl) and remounted it accordingly. After removing material on the inside and outside of the bowl, it began taking

shape, but instead of a normal round rim, it had a rim of three distinct corners. He finished shaping the bowl, making sure the wall thicknesses were consistent and that it was ready for sanding and for a finish.

Ray's execution of a three corner bowl was a fascinating demonstration of the possibility of creating unique and unexpected forms on a wood lathe. He began with a wood cylinder, shaped that into a cube, and then shaped that into a bowl with three corners. All on a lathe.

Raffle: Tom Boley, Steve Bietau, Karl Dean, Terry Schmidt, Robert Kloppenborg, and Nyle Larson won valuable prizes.

The next Flint Hills Woodturning meeting will be on Saturday, July 7, 2018 at 9:00 a.m. at the Golden Prairie Honey Farms, located at the Green Valley Industrial Park, 8859 Green Valley Drive, Manhattan.

Ned Gatewood, Secretary



Community Involvement



Camp Tomah Shinga is a Lutheran summer camp held each year southwest of Junction City. On Wednesday, June 18th Tom Boley and I helped the Independence Woodturners conduct a pen turning event for the camp participants and staff. The Independence Woodturners provided pre prepared pen blanks,

pen kits, and 5 lathes, (FHW brought 2 lathes) to provide the opportunity for each camper to turn his or her own pen.

Steve Bietau, Operations

Programs

July 7th Tom Shields will give an excellent demonstration on sharpening. Don't miss this as it is essential. It adds so much to the joy of wood turning .

August 4th Joe Davis will be demonstrating turning hammer handles.

September 1st Tips and tricks is scheduled so if you have a 10 minute tip that you would like to share, please see me at the July meeting.

October 6th Open. Please see Dennis Biggs if you would like to present or have suggestions.

November 3rd Tom Boley is on tap.

Dennis Biggs - Program Director



June: Show and Tell



Bob Holcombe



Randy Zelenka



Joe Davis

June: Show and Tell



Victor Schwarz



Melissa McIntyre



Colton Haug



Steve Bietau



Dennis Biggs

June's Program



Log to Cube to 3 Corner Bowl

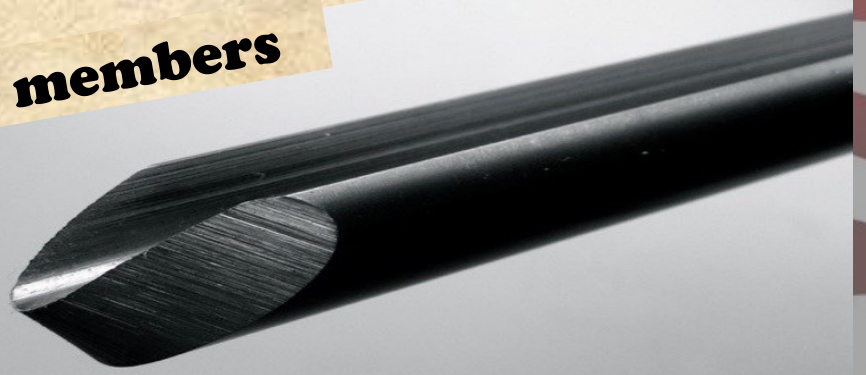
This month's demonstration was by Ray Case making a three corner bowl. He began by turning a cylinder of dry wood (green wood would later distort) using a spur drive, turned a tenon on one end, remounted it, and trued-up the tailstock end of the cylinder. This end must be flat in order for the three corners of the bowl to project equally. Using the lathe's indexing system, Ray drew four equally spaced lines along the length of the cylinder. He then reduced the cylinder's length to equal the cylinder's diameter. He marked the center point of each of these four lines with a punch. These four points will be the mounting points for the next turning of the piece on the lathe. Rotating and mounting the piece on the lathe using two of these points, it is turned, and two faces (at the head stock and tailstock ends) of the cylinder are removed to create the first two faces of an emerging cube. A tenon is also formed on the tailstock end at this time. He remounts the piece in the tenon just made, and turns the piece to create two more faces of the emerging cube. This process is repeated for the third time, and the result is the cylinder has become a cube (with three tenons which can be removed in the same manner as you would with any tenon). The cube is measured to confirm all six sides are the same size; this will assure the

wings of the cube will project equally. The grain orientation is evaluated to determine the best orientation of the wood in the bowl. The cube is mounted on the lathe at two opposing cube corners using the open threaded drive end and the open end of the tailstock. Note that you will have no spur drive or live center used at this point. The pressure of the tailstock holds it in place. Ray began removing material at the tailstock end of the cube (this will be the bowl's interior) and the headstock end (this will be the bowl's exterior). The three corners of the bowl begin to appear. He forms a tenon at the headstock end and remounts the piece in this tenon. He stops and considers the desired final form of the bowl, and finishes turning the interior and exterior of the bowl, making sure the wall thickness of the bowl is as desired and the thickness of the three corners are equal. The complete bowl is remounted in a jam chuck and the tenon is removed, and the bowl is then sanded and finished.

Ned Gatewood - Secretary

Sharing Corner

By members for members



Consider This Before You Buy Another Turning Tool

Perhaps the most important factor to consider when selecting a gouge or scraper to add to your woodturning tool collection is the type of steel from which it was made.

The most common steel found in wood turning tools in recent years is M2 high speed steel. Popular manufacturers like Sorby and Henry Taylor have used it until now because they've had few other choices. However, higher quality tool steels such as Kryo and M42 steels have become available to tool manufacturers, and these steels are beginning to showing up in some manufacturers' product lines. These two steels are better than M2 steel, but they are not the best you can buy. CPM10V (A-11) is the best you can buy.

Three things need to be considered when selecting which tool to buy: the ability to put a sharp edge on the tool, edge durability, and cost. If you look at the website of many manufacturers of tool steel, you will find the comparisons of these characteristics. M2 does relatively poorly, Kryo and M42 do better, but CPM10V (A-11) steel performs the best in all three categories. CPM10V (A-11) steel sharpens very well, and its edge durability is approximately 5 times better than other steels.

To my knowledge, only Thompson Tools currently sells CPM10V (A-11) tools, and interestingly, their tools cost less than M2, Kryo, or M42 tools because they are sold without handles. For instance, Craft Supplies sells the Richard Raffan's Signature 1/2" M2 HSS bowl gouge for \$120.25. Thompson Tools sells it 1/2" CPM10V (A-11) bowl gouge for \$65.

The June 2018 edition of [American Woodworker](#) has a good article on tool steel, and for a more detailed comparison of tool steel specifications than I've provided here, see

<https://www.hudsonsteel.com>.

So, for your next turning tool purchase consider a tool made of CPM10V (A-11) steel. And go ahead, make your own handle. You'll appreciate that tool even more.

Ned Gatewood - Secretary



Safety Spotlight

Eye and Face Protection

The majority of impact injuries result from flying or falling objects, or sparks striking the eye. Most of these objects are smaller than a pin head and can cause serious injury such as punctures, abrasions, and contusions.

While working in a hazardous area where the worker is exposed to flying objects, fragments, and particles, primary protective devices such as safety spectacles with side shields or goggles must be worn. Secondary protective devices such as face shields are required in conjunction with primary protective devices during severe exposure to impact hazards.

Personal protective equipment devices for impact hazards:

Safety Spectacles: Primary protectors intended to shield the eyes from a variety of impact hazards.

Safety spectacles are intended to shield the wearer's eyes from impact hazards such as flying fragments, objects, large chips, and particles. Workers are required to use eye safety spectacles with side shields when there is a hazard from flying objects. Non-side shield spectacles are not acceptable eye protection for impact hazards. [\[29 CFR 1910.133\(a\)\(2\)\]](#) and [\[29 CFR 1915.153\(a\)\(2\)\]](#) The frames of safety spectacles are constructed of metal and/or plastic and can be fitted with either corrective or plano impact-resistant lenses. Side shields may be incorporated into the frames of safety spectacles when needed. Consider each component of safety spectacles when selecting the appropriate device for your workplace.

Safety Goggles: Primary protectors intended to shield the eyes against flying fragments, objects, large chips, and particles.

Safety goggles are intended to shield the wearer's eyes from impact hazards such as flying fragments, objects, large chips, and particles. Goggles fit the face immediately surrounding the eyes and form a protective seal around the eyes. This prevents objects from entering under or around the goggles. Safety goggles may incorporate prescription lenses mounted behind protective lenses for individuals requiring vision correction. Take time to consider specific lens, frame, and ventilation options when selecting safety goggles.

Face Shields: Secondary protectors intended to protect the entire face against exposure to impact hazards.

Face shields are intended to protect the entire face or portions of it from impact hazards such as flying fragments, objects, large chips, and particles. When worn alone, face shields *do not* protect employees from impact hazards. Use face shields in combination with safety spectacles or goggles, even in the absence of dust or potential splashes, for additional protection beyond that offered by spectacles or goggles alone. Face shield windows are made with different transparent materials and in varying degrees or levels of thickness. These levels should correspond with specific tasks. Window and headgear devices are available in various combinations to enable the worker to select the appropriate equipment:



Material provide by: U.S. Department of labor



U.S. DEPARTMENT OF LABOR

Trees of Northeast Kansas

Osage-Orange (commonly called Hedge or Hedge-apple)

Janka Hardness: 2,760

The grain of Osage-Orange is straight, with a fine to medium texture. The heart-wood is golden to bright yellow, and with exposure to ultraviolet light, Osage-Orange darkens with age to a dark to medium brown. Working 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 and finishes well. Osage-Orange contains a water-soluble yellow dye, so putting shavings into water will turn the water yellow. Osage-Orange produces more BTUs when burned than any other domestic hardwood, thereby making a good fuel wood.



Flint Hills Woodturners is a 501(c)(3) non-profit composed of individuals who are interested in learning and promoting the art of turning wood. Formed in March 2015 for hobbyists in the Flint Hills region of Northeast Kansas, the club welcomes all interested people to visit our meetings to get a sample of this inspiring hobby. You will find warm people from novice to expert willing to share with you. Flint Hills Woodturners is a chapter of the American Association of Woodturners (AAW).



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The American Association of Woodturners (AAW) is a nonprofit 501 (c)(3) organization, dedicated to advancing the art and craft of woodturning worldwide by providing opportunities for education, information, and organization to those interested in turning wood. Established in 1986, AAW currently has more than 15,000 members and a network of more than 350 local chapters globally representing professionals, amateurs, gallery owners, collectors and wood / tool suppliers.

Flint Hills Woodturners Program and Events

July 7th	Monthly Meeting Tom Shields Sharpening	Golden Prairie Honey Farms 8859 Green Valley Drive, Suite #4, Manhattan
July 18th	You Gotta Eat! Noon	
Aug 4th	Monthly Meeting Joe Davis Hammer handles	Golden Prairie Honey Farms 8859 Green Valley Drive, Suite #4, Manhattan
Sep 1st	Monthly Meeting Tips and tricks	Golden Prairie Honey Farms 8859 Green Valley Drive, Suite #4, Manhattan

No Skill Enhancement in the month of July

Unless otherwise announced, meetings are held at 8859 Green Valley Drive, Suite #4, Manhattan KS
Meetings start at 9:00 am but come any time after 8:00 am.

Enter at the rear of the building

