

April 2019



April's Demo

Coring Techniques

FREE BOWL BLANKS!!!

Judi asked me how much it was and when I told her the price, she thought that was mighty expensive. "But Honey," I said, "it will pay for itself the first time I use it." The subject of our discussion was the Oneway Coring System by use of which I am able to

get at least three bowl blanks out of a large piece of wood. The system uses curved scrapers which are pushed into a spinning block of green wood, thus cutting a bowl blank out of a bowl blank. The two most popular coring systems are the Oneway and the McNaughton. I have seen the McNaughton system demonstrated and think the Oneway system is better. That is the demonstration for April but you probably already know that from the club web site.



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March 2019

The Call of the Lathe



Spring is finally here and I trust those of you that have garage workshop's are taking advantage of this nice weather to get the lathe dusted off and going again. Spring time also means that our Club is another year older. This year we will be celebrating our 4th anniversary. We will be having a special get together for a meal on April 20th (see page 5 for more details).

For the last 4 years we have had many demonstrations and demonstrators but it has always been our goal to have a nationally know demonstrator come and spend time with our club. As you have been hearing for the last few months we will finally have Alan Lacer come and spend time with us over a 3 day period. On Friday May 3rd we will have a workshop for those that have signed up already. On Saturday May 4th we will have part of our regular club meeting but we will set aside longer portions of time for Alan to give us a morning demonstration and then after lunch we will also have another demonstration session. Then on Sunday May 5th there will be a second work shop. Last time I checked we still have 2 spots open for the workshops. So if you really want to go but didn't let us know yet, it will be a first come first serve basis for those spots.

As we discussed and voted on last month, I will have hard copies of the members list to hand out this month. If you remember, I passed around a list and also sent out emails to those that were not in attendance asking for your permission to have you on the list. Almost all said yes but please realize that some have chosen to allow only limited information or they asked for their information to not be published at all. Please make sure that you do not abuse this information and respect the privacy of our members.

One of our members Robert Kloppenborg has been in touch with Marsh County Arts Organization in Marysville, KS and has set up an exhibition in July for any and all of the Flint Hills Woodturners that would like to exhibit your woodturning wonders. If you are interested, please get in touch with Robert and he can fill you in on all the specific details.



2019 Exhibition Season

April - Jim Griggs

May - Closed

June - Rick Hildebrand

July - Members of the Flint Hills Turning Club

August - Allen Morris

Finally, I want to challenge each of us as members to pick one project that will stretch our skills and abilities a little further than they are now. Force yourself to do something different than you are currently doing. Learn and grow from experience. If you can, turn that project and bring it to show and tell over the next few months and explain what skill and growth you experienced along the way. As always, remember to be safe and most of all have fun.

Ray Case- President

Club Minutes

March 2nd , 2019

The monthly meeting of the Flint Hills Woodturners began at 9:00am, March 2, 2019 at the Golden Prairie Honey Farms, located at the Green Valley Industrial Park, 8859 Green Valley Drive, Manhattan, Kansas.

President Ray Case called the meeting to order.

The meeting began with Show and Tell. Dennis Biggs, Bill Mathewson, Victor Schwarz, David Delker, Ned Gatewood, Tom Shields and Karl Dean shared their recent woodturning work.

Visitors at today's meeting included Peter Oliveras and Jerry Connery.

Officers' Reports:

President's report: Ray Case notified the club that one of the club's original members, Ernest White, recently passed away. Ray said the club would like to borrow two small lathes for the upcoming May 3rd and 5th workshops with Alan Lacer. He thanked members who donated turned items in exchange for the work done on our website design. Ray reminded members of the upcoming Skill Enhancement session on March 12th and the Ya Gotta Eat lunch at Vista Drive-In also on March 12th. The monthly silent auction is a way for the club to raise money, and asked members to donate items for the auction. Joe Beck reminded members of the club's library of books and videos, and that they are a valuable source of education for the club. Ray reminded members that we have been invited to participate in the upcoming Marysville Lee Dam Center for Fine Arts; more information to come. The recent survey is now closed. The roster of members was discussed. It was voted on and passed that the membership list would

not be publically available, but a hard copy of the membership list would be provided to members. A current membership list was passed around and members identified what specific personal information they would like to have included on the list. The newsletter provides an opportunity for members to list items they wish to buy or sell.

Vice President's report: no report

Secretary's report: Ned Gatewood noted we have 43 people in attendance today, and for a club of about 50 members, that's an indication the club is doing something right.

Treasurer's report: Tom Shields reported \$731 was spent on a new sound system, \$200 on a website design services, and \$94 on raffle items; \$508 was paid in dues; and there is \$4,814 in the treasury.

Operations' report: Steve Bietau reminded members of the March 11th Meet the Makers event at the Flint Hills Discovery Center, and he thanked the volunteers who will be demonstrating at this event.

Program Director's report: Today, Dennis Biggs, David Delker, and Ned Gatewood will be demonstrating their favorite wood finishes. In April, Tom Boley will demonstrate coring bowl blanks. In May, national known turner Alan Laser will provide demonstrations at the Saturday, May 4th monthly meeting and he will lead workshops on Friday and Sunday, May 3rd and 5th. The Saturday demonstrations will be from about 10:30 to noon, and from 1:30 to 3:30. A free lunch will be provided. The cost of the workshops will be about \$100 per day. The topics of the demonstrations and workshops are to be determined. The workshops will be held at Tom Boley's shop.

Club Minutes

continued

Members-at-Large's reports: no reports

Raffle: Vincent Traffus, Jerry Connery, Dave Davis, Barbara Drolet, and Melissa McIntyre won valuable prizes.

Demonstration: David Delker showed the process for applying metal finishes to turned objects. A sealing primer is first put on the wood, then a metalizing paint is applied, followed by an oxidation activator. When the oxidation activator reacts with the paint, various unpredictable colors and patterns emerge on the surface. David also discussed the use of dyes and stains in wood finishing, and several means to reduce unwanted cracking when these finishes are applied.

Ned Gatewood discussed three of his favorite wood finishes. Walnut oil is an excellent finish for utility objects made on the lathe like salad bowls, scoops, and spoons. His second favorite finish is an oil based finish that contains a resin, and this resin can be

buffed to achieve a low luster finish on the wood. Ned also spoke of a two part finish. The first product abrades the surface with Tripoli and wax, and the second product is a friction polish that applies a wax and shellac finish to the wood's surface.

Dennis Biggs was the third demonstrator today. He made his favorite wood finish by combining a wipe-on polyurethane and paste wax, then he melted this mixture in the microwave oven, creating a paste. He applies one coat of this finish to the wood, and in 3 to 4 days he sands the piece with 1000 grit sandpaper, producing a smooth, matt finish.

The next Flint Hills Woodturning meeting will be on Saturday, April 6, 2019 at 9:00am at the Golden Prairie Honey Farms, located at the Green Valley Industrial Park, 8859 Green Valley Drive, Manhattan.

Ned Gatewood - Secretary

Community Involvement

On Monday March 11 our club participated in a public demo at the Manhattan Discovery Center, during the "Meet the Makers" week. Representing Flint Hills Woodturners were: Joe Beck, Dennis Biggs, Tom Boley, Karl Dean, Bob Holcombe, Nyle Larson, and Tom Shields. Many thanks to all our volunteers. They did an outstanding job of representing both our club and our craft during this day long demo. A number of items produced by our members were on dis-

play and generated a lot of interest throughout the day.

Our next public demo will also be at the Flint Hills Discovery Center, The Flint Hills Festival, Saturday, May 11. "With almost 3,000 visitors in 2018, this is the largest single day event at the Flint Hills Discovery Center".



Save the Date

Flint Hills Woodturners will be celebrating it's 4th Birthday

Saturday April 20th.

5:00PM - 7:30pm



We will meet at the Faith Evangelical Free Church anytime after 5PM. We will start with Hors d'oeuvres at 5:30PM and then plan to start the main meal at 6:00pm. Please enter through the main entrance of the church. The club will provide the main meat dish, drinks and table ware. We would ask that each family bring something based on the following:

Families with last names A-C Hors d'oeuvres

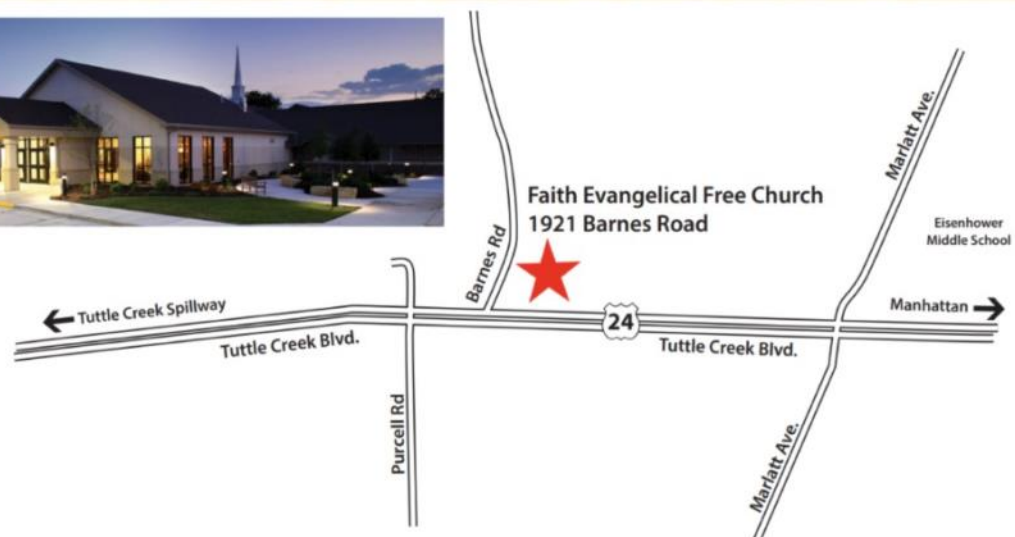
D-G Salads,

H-R side dished

and S-Z desserts.

Of coarse if you wish to bring others items in addition then that would be welcome as well. This will be a fun time for the whole family We'll have a big table where we can display some of our work for our families to see so plan to bring something to display.

Questions please call Ray Case 785-313-3986





Programs

Coming in May

Alan Lacer has been involved in the turning field for more than 38 years as a turner, teacher, writer, exhibition coordinator, expert witness, demonstrator and past president of the American Association of Woodturners.



| <u>April 6th</u> | <u>May 4th</u> | <u>June 1st</u> | <u>July 6th</u> |
|------------------|-------------------|----------------------------|-----------------|
| Tom Boley | Alan Lacer | Randy Zelenka | TBD |
| Coring | Special Guest | Everything about Chainsaws | |

In May we are looking forward to having Alan Lacer, the skew expert spend Friday, Saturday and Sunday with us. Workshops on Friday and Sunday (9:00-3:30 each day with a lunch break). Probably a skew workshop and a box workshop. Cost of workshop is about \$80. We have about 14 signed up so we have room for two more. Contact Dennis Biggs if you have any interest.

Saturday will be a club demo and will start at the usual time, but last until 3:30. Lunch will be provided for a small charge.

If you have ideas or desires for upcoming demonstrations, please contact Dennis Biggs.

Thank you all. You make this an exciting organization.

Dennis Biggs - Program Director

April 24th at Noon



**Y A
G O T T A
E A T
S H O W A N D
T E L L I T E M S
W E L C O M E**

Skill Enhancement



April 29th

7:00pm—9:30pm

Red Oak Hollow

Lathe Works

4025 Walnut Creek Drive

Wamego, KS 66547



March: Show and Tell



David Delker



Lowell Regehr



Ned Gatewood



Karl Dean



Ross Hirst



Dennis Biggs



Bill Mathewson



Tom Shields



Victor Schwarz

March's Program

Recap

Demonstrators:

David Delker

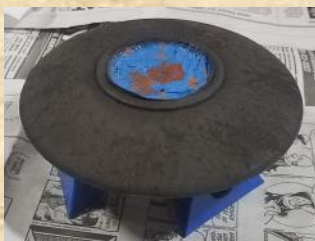
Ned Gatewood

Dennis Biggs

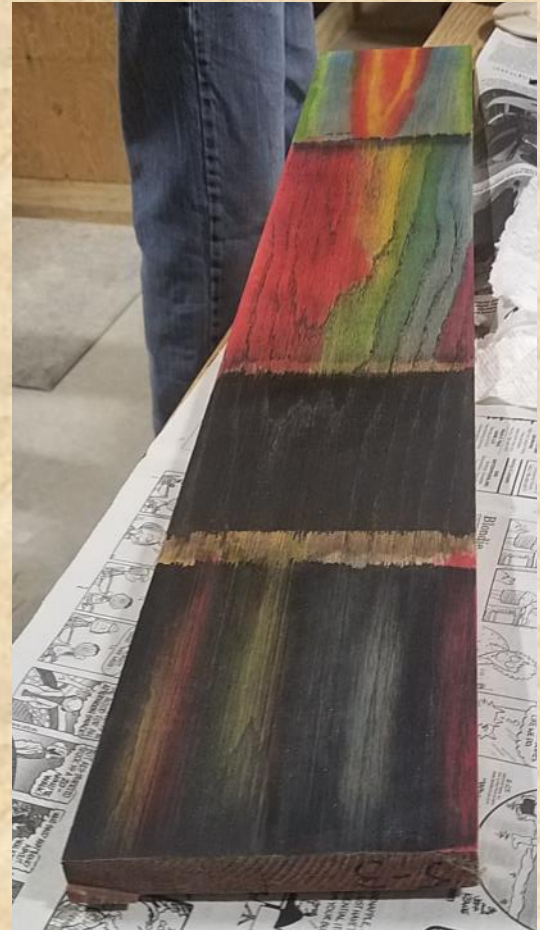
Today's demonstrations were given by David Delker, Ned Gatewood, and Dennis Biggs explaining their favorite wood finishes.

David began with a description of reactive metallic finishes and the process for achieving a colorful metallic effect on wood turnings. Metallic paints containing iron, copper, or bronze are available, and to further enhance the finish, green and blue patinas are also available. The process begins with applying a primer that seals the wood to prevent contaminants from leaching from the wood into the metal finish. Two coats of a reactive metal paint containing either iron, copper, or bronze are applied over the primer with a sponge or brush. An aging solution is then sprayed on the piece to activate the oxidization process, which occurs right before your eyes.

The result is a unique and unpredictable pattern of beautiful textures and colors, the color being determined by the metal used in the metallic paint.



David also talked about the use of dyes and stains on wood finishing. Dyes are chemicals that penetrate into the wood, and stains are colored pigments that stay on the wood's surface. Because dyes and stains are water or alcohol based, they will raise the grain of the wood which must be sanded. To avoid sanding and removing some of the color of the dye or stain, David first applies water to the wood, and when dry, sands the raised grain. Because the grain has already been raised, the dye or stain does not raise the grain again when it is applied.



Finishing Demonstration Notes for March 2019 FHW Program

Metal Effects Reactive Metallic Finish

Made by Modern Masters (and a few other manufacturers) and available from:

Craft Supplies USA: <https://www.woodturnerscatalog.com/>

Amazon: <https://www.amazon.com/>

Materials needed:

Primer

- Apply two coats to seal wood and protect finish from tannins. In addition, the primer keeps the metallic finish and activator from leaching into surrounding wood.

Metallic paint

- Copper, bronze, and iron are available.
- Apply two coats of metallic paint for the copper or bronze finishes; apply the first one, let it dry, then apply a second coat. While the second coat is still wet, lightly spray the activator onto the surface. The reaction will be visible in 15 minutes or so.
- The procedure for the iron finish is similar, but allow both coats to dry before spraying on the activator.

Activator (patina solution)

- Blue and green activator spray colors are available for the copper or bronze finishes, and rust activator is specifically made for the iron finish.

Water-Based Dye

The water-based dyes I demonstrated are made by the W. D. Lockwood Company and are available from:

Tools for Working Wood: www.toolsforworkingwood.com

Mixing and application procedures:

Lockwood's dyes are mixed from powder, according to the following formula:

- 1 oz dye powder per 1-2 quarts hot water. NOTE: I mixed 1/8 teaspoon powder per 1/4 cup hot water. The dye can be mixed with more or less water to vary the color intensity.
- When mixing dye, wear a **dust mask** to avoid inhaling airborne dye powder!
- Apply with brush or sponge (a makeup applicator “wedge” works well for small projects). Always wear **nitrile gloves** to protect fingers from dye!



Some dyeing tips:

- Sand out all scratches and tool marks, or they WILL show up under the finish! Use harsh side or back-lighting to show scratches.
- Sand through 600 or even 1000 grit, and pay close attention to end grain to minimize blotching
- Clean sawdust from wood pores using compressed air, shop vac, and/or tack cloth
- Mix dye colors to get custom colors (e.g., blue + red = purple)
- Try blending colors with a paint brush to transition from one color to another on the project's surface.
- If color is too dark or intense, wipe the project with a wet cloth to remove some dye and lighten the color
- Use India ink as an alternative to chemical ebonizing. India ink in bottles and India ink pens can be purchased at Hobby Lobby or in larger quantities from Amazon.com. Apply with a brush, then let it dry. NOTE: Brushes can be cleaned in water while the ink is wet. After it dries denatured alcohol MAY remove it from surfaces, but don't count on it working on fingers!
- For an interesting effect, apply India ink to the project, let it dry, then sand some or all of the ink off the surface, leaving the ink in the grain pores. Apply dye to the results for an interesting effect. Here's a Tim Yoder video in which he uses a similar technique on jewelry: <https://www.youtube.com/watch?v=DmhvqJ0whxU>

SELECTED ON-LINE REFERENCES

Modern Masters Metal Effects Reactive Metallic Paints video:

<https://www.youtube.com/watch?v=9uhEWMabhU4>

Aniline Dye: A Better Way to Finish, by Popular Woodworking:

<http://www.popularwoodworking.com/article/aniline-dye-a-better-way-to-finish>

Tips for Coloring Wood, by Zen Wood Studio:

http://www.ralphewatts.com/tips_for_coloring_wood.html

Coloring Wood by Jimmy Clewes, published by Craft Supplies USA:

<http://blog.woodturnerscatalog.com/2014/06/coloring-wood-jimmy-clewes>

Woodturning and Coloring Wood Art, a YouTube video by Sam Angelo:

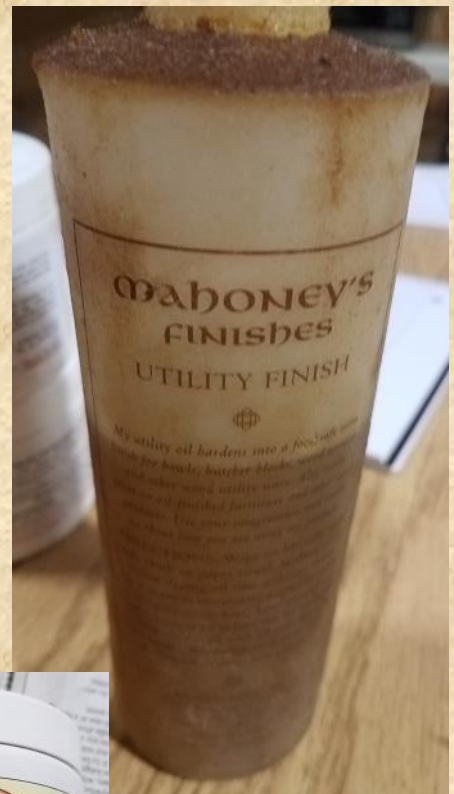
<https://www.youtube.com/watch?v=0ejqtAV0GOg>

Ned Gatewood described his three favorite finishes: two penetrating oil based finishes and one surface finish. Mahoney's Walnut Oil finish is widely used by makers of salad bowl and other utility items such as cutting boards. It is an excellent choice for these utilitarian applications as it will not deteriorate or chip when used and comes into contact with water, as would a surface finish like polyurethane. It is easy to apply and maintain by simply applying another coat of oil. Mahoney's Walnut Oil finish is heat treated so it will not cause a reaction by users allergic to nuts.



Ned then presented Waterlox finish, an oil based finish that also contains resins. These resins do not penetrate the wood as do the penetrating oils of this finish, but they remain on the surface and can be buffed to moderate shine. By combining a penetrating oil finish with a surface resin, Waterlox attempts to offer the best of an oil finish and the protecting qualities of a surface finish.

Ned then presented a third finish consisting of two different products, EEE Ultra Shine and Shellawax Cream. First, a small amount of EEE Ultra Shine put on the piece while still on the lathe. This product contains Tripoli (also called rottenstone) suspended in a wax paste. Tripoli is an abrasive powder that abrades the surface of the wood to an extremely smooth surface, taking out many of the small sanding marks often left by sanding with sandpaper alone. Tripoli is a friable powder, meaning as it abrades, its particles get smaller and smaller, producing a finer and finer finish. Shellawax is then applied to the piece. This is a shellac and wax friction polish that when applied to an object turning fast on the lathe, it melts onto the wood and creates a highly polished surface. Together, these two products create an extremely smooth and polished surface protected by shellac and wax.



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Mahoney's Walnut Oil; a utility walnut oil;

<http://bowlmakerinc.com/finishes/utility-finish-oil-16-oz-bottle.html>

Natural wood finish 16 oz. oil

Made from pure California Walnut oil, Mike's Utility Finish oil offers a food-safe way to protect and beautify your turning.

bowlmakerinc.com

Waterlox Original Sealer and Finish; a Tung oil and resin finish;

<https://www.waterlox.com/products-item/waterlox-original-penetrating-tung-oil-floor-sealer-finish>

Waterlox original tung oil wood sealer finish protection for floors, countertops, furniture and cabinets

Waterlox Original Sealer/Finish is a clear, tung-oil based penetrating sealer and finish that produces a semi-gloss sheen. Use as an interior sealer and/or as a semi-gloss finish. Also available in a low VOC formula.

EEE Ultra Shine; a fine abrasive and wax paste used with Shellawax Cream, a shellac and wax mixture; <http://www.ubeaut.com.au/ubhome.htm>

U-Beaut Polishes

U-BEAUT POLISHES The home of SUPERIOR QUALITY POLISHES for woodturners and others.

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Dennis Biggs showed off his favorite go to finish - a mixture (1:15 ratio) of Minwax Paste Wax and Minwax Wipe-On Poly Clear Gloss. In a glass canning jar, the mixture is carefully melted in a microwave oven until it reaches 145 degrees (approx. 2 mins). To use, he liberally wipes it on the wood piece while off the lathe, let it sit for a couple minutes and apply again. He lets it dry for 3 to 4 days, then sands it with a 1000 grit Abralon polishing disc. The result is a beautiful, very smooth, clear, matt finish that shows off the natural character of the wood without hiding it under a glossy plastic-like finish.



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Safety Corner

Safety Shields

I thought I would start a monthly column as my contribution to the FHW Club and newsletter. My attendance at meetings has been sporadic since taking on a volunteer leadership role as president of my professional society, the American Chemical Society. One of my advocacy roles as president has been to promote safety in chemical laboratories – so why not share my thoughts with the club on a regular basis.

We have heard a lot about safety at our demonstrations – eye protection and respiratory protection in particular. And I'm pleased that for all our club demos everyone wears a face shield even if it makes wearing a mic somewhat cumbersome. So I'll start this column with one of the basics just to remind everyone.

Eye protection.

Whether you normally wear corrective lenses or not, protecting your eyes while working in the shop should be your priority. Have spare safety glasses available (in case you misplace yours) and always insist that visitors wear them. If you wear corrective lenses, please invest in certified safety glasses or they will be useless. When turning pieces on the lathe, it's also important to wear a face shield or similar protection from fast moving objects. If it was heavy mounting it on your lathe, it will feel even heavier moving at 900 rpm.

Eye protection doesn't end when your piece is done being shaped and sanded. During finishing, if you finish on the lathe, finishes can spray off spinning objects – most finishes, even natural oils, do not interact well with the natural fluids in your eyes. Your cornea can be irreversibly scarred when exposed to solvents or oils in finishes given the make up of this critical part of your eye. Wear safety glasses or goggles (or your face shield) that will cover your eyes and prevent finishes from splashing into them.

Finally, take a moment before you use your finish to read and understand the precautions and treatments on the container. Each finish will have its own best way to flush or treat your eyes. Your best bet is to have a few 1 quart plastic bottles of water handy in the shop (next to your first aid kit) to serve as an eye wash. You can even find an eye wash kit at the pharmacy that has a special cup for rinsing your eyes should you need that.

My parting words: don't be like the blind woodturner who once said, "I see," as he picked up his hammer and saw.

Peter Dorhout

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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Ray Case
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Operations
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Members at Large
Bob Holcombe
Tom Boley

Flint Hills Woodturners Calendar of Events

| | | |
|------------------|--|---|
| APRIL 6th | Monthly Meeting Tom Boley Coring | Golden Prairie Honey Farms 8859 Green Valley Drive, Suite #4, Manhattan |
| APR 20TH | 4TH ANNIVERSARY DINNER 5PM—7:30PM | FAITH EVANGELICAL FREE CHURCH 1921 Barnes Rd |
| APR 24TH | YA GOTTA EAT NOON |  |
| APR 29TH | Skill Enhancement 7:00-9:30 PM | Red Oak Hollow Lathe Works, Wamego |
| MAY 4TH | Monthly Meeting Alan Lacer All day demo | Golden Prairie Honey Farms 8859 Green Valley Drive, Suite #4, Manhattan |

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



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.

