

**February 2021**



**Calling All Woodturners**  
**Flint Hills Woodturners are**  
**pleased to announce our**  
**February demonstration.**

**SCULPTOR ARTIST WOODTURNER**

**Inspired by the rhythm and motion of the ocean**



**JOHN BEAVER**

[www.johnbeaver.net](http://www.johnbeaver.net)  
[johnbeaver@verizon.net](mailto:johnbeaver@verizon.net)



John will be demonstrating his inspired wave bowl. The demonstration is packed with all his tips, tricks, jigs and methods for successfully making a wave bowl. The demonstration is a 2 hr session, so we will reformat our monthly meeting time to afford John all the time he requires to fully demonstrate his wave bowl.



**JOHN BEAVER**

**Saturday February 6th, 2021**  
**Featured Demonstrator**

## Artist Statement

After spending over 25 years in Hollywood, filming television commercials, I began experimenting with a lathe I had inherited. Before I even mastered the technique, I could see that I wanted to find a way to give the pieces a little more life. A bowl, or a vase, or a sculpture sits on a shelf and has a form, and there's a certain beauty in that, but I wanted to add movement and energy to that form.

I have always lived near the ocean, and was inspired to bring the motion and rhythm of the waves to a round object. The exploration of that concept led to the "wavy" design which is still the core element of my work today.

I started by placing the design on bowls, because that's kind of the obvious thing to make on a lathe, but as I developed new techniques I found that I could remove the restriction of the vessel and let the design stand alone as a sculptural form.

By working with round forms I found this opportunity to create designs that have no beginning or end. Even as they sit still, you can imagine the design wrapping around the piece and coming back into view, giving rhythm to the design. By moving the shapes around on the piece I found the energy that hopefully gives a feeling of movement to an otherwise static form.

I live in Pacific Palisades, CA. When I'm not in the studio, I enjoy Golf, Paddle Tennis, Skiing, Cycling, Kayaking, Hiking and Bocce.





# President's Report

## February 2021 President's Report

### 2021 is well underway!

In case you had not noticed, 2021 is well underway! I was thinking about that today when I signed and dated a medical form. In the past, it took a month or two into a new year for me to remember that the year had advanced on the calendar. I would invariably write the wrong year on a check that I was writing or a form I was signing. Not this year! I will never forget that 2020 is history! I am optimistic that 2021 will be a better year for all of us, and the COVID-19 pandemic will be brought under control so life can get back to a new normal!

Your club officers are discussing criteria by which we will determine when in-person meetings can resume safely. In the meantime, we are fortunate to have the equipment and expertise to keep our club active via the power of technology!

### January program challenges

Our guest remote demonstrator for January, Larry Randolph, was unable to connect with us in person due to an ice storm knocking out power to his community. Luckily, he had archived a similar demonstration on YouTube that we were

able to view. Even with a few technology glitches, it was great to view that video together and share ideas during our virtual meeting. If you missed Larry's demonstration, you may view it at <https://www.youtube.com/watch?v=3nqMLH6WD-Y>

### Good news: We have a VP nominee

As you may recall, we elected a new slate of officers for 2021 at our November 2020 meeting. One office still vacant at that time was that of Vice President. I am pleased and excited to report that Vaughn Graber has accepted the nomination to that office. We will conclude the process of accepting other nominations and then voting at our February meeting.

### Dues for 2021

Annual dues for membership in our club are \$35 per year, which includes everyone living in that household. People joining later in the year will be assessed dues decreased by \$5 for each calendar quarter that has elapsed when they join. There is a 50% discount for active-duty military members in appreciation for their service to our country.

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# President's Report cont.

(continued from page 3)

Due to the unprecedented situation our club faced in 2020, the Board members decided last year that members who had paid their dues for 2020 would have their memberships carried over and considered paid through 2021. Only new members joining in 2021 will need to pay for membership.

I encourage you new members to pay your dues as soon as possible to our Treasurer, Ross Hirst. He will update you about payment methods during his report at our upcoming meeting.

## **This month's program**

Our February program will be an interactive remote demonstration (IRD) made by a world-renowned woodturner, John Beaver. I had the privilege several years ago to see John present at the AAW Segmenting Symposium in San Antonio. He is famous for the "wave" designs he incorporates in many of his pieces. I know you will enjoy watching him in action!

The club normally charges a small fee for members to attend meetings in which

we bring in an outside demonstrator. That helps defray the cost of the demonstrator's fee, travel, and lodging. For this month, however, the Board decided to absorb the presenter's fee. Why? First, it is because we want to support our members by giving them a quality experience. Second, we still are working on the process by which we can collect money electronically. Finally, we did not want the awkward situation that might develop if we were to ask club members for money at the last minute. Club members may be asked to pay a few dollars to defray the cost of an outside demonstrator in the future, but you will know that well in advance.

## **Conclusion**

As always, I invite your feedback, questions, and suggestions. I may be reached at [fhwpresident@gmail.com](mailto:fhwpresident@gmail.com). Whether it's an idea for a future program or a suggestion that would help us all become better woodturners, I look forward to hearing from you!

David Delker

# February's Virtual Meeting

**Raymond Case is inviting you to a scheduled Zoom meeting.**

**Topic: FHW February club meeting**

**Time: Feb 6, 2021 08:30 AM Central Time (US and Canada)**

**Join Zoom Meeting**

**access link:**

<https://us02web.zoom.us/j/85932285433?pwd=Uk1ta0REOGFJMzI2YkJCUXFWRURvQT09>

**Meeting ID: 859 3228 5433**

**Passcode: 480680**

**One tap mobile**

**+16699006833,,85932285433#,,,,\*480680# US (San Jose)**

**Dial by your location**

**+1 669 900 6833 US (San Jose)**

**Find your local number: <https://us02web.zoom.us/u/kAmlqQzUB>**

**Early sign in at 8:30am for social time.**

**Meeting will start at 9:00am**

**Due to the length of the demonstration, we will give John as much time as is needed. We will be flexible with the remainder of the meeting time.**

# Flint Hills Woodturners YouTube Channel



Flint Hills Woodturners

49 subscribers

<https://www.youtube.com/channel/UC2HZn0FA9r5EwcoRbubFARQ/videos>

Check out the latest video that has been posted to the club channel. Subscribe to receive notice if a new video has been added to the site. You, as members, are always welcome to make short or long videos that we can post to our channel. Just send an email to [rcase164@gmail.com](mailto:rcase164@gmail.com) letting me know about your video and we can get it posted.



<https://www.youtube.com/watch?v=3nqMLH6WD-Y&t=1157s>

February's meeting demonstration we watched a video by Larry Randolph on making peppermills.

Video was used with the permission of Larry Randolph.



# Additional Peppermill information from Larry Randolph

## Peppermills Made Easy – Larry Randolph

Peppermills make not only a great gift for weddings or Christmas gifts but they are a piece of woodturning that in my opinion can be both art and function. My friends and family that I have gifted my mills to, report that they continue to use them and they remind them of me and my sharing my turning with them. So, to turn a peppermill is not a difficult task. It only takes a little preparation and thinking through the process. Seriously, if I can make one of these... any turner can!

Start with a completely dry wood blank size of approximately 3" square by 10" long, can be longer based on desired end result. You will likely lose a 1/2" to 1 full inch in the turning process.

Mark the centers of the blank and use a punch to mark the center on both ends. You can use the point of the drive spur but make sure to only use a rubber or wooden mallet. A metal hammer can flange or damage your drive spur.

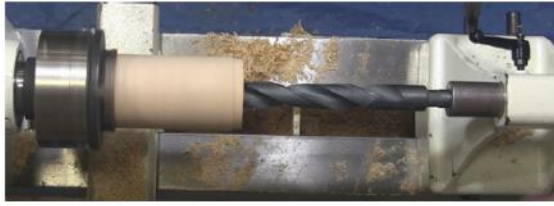
Mount the blank between centers and adjust the tool rest to make sure it is not in the way of the blank before turning on the lathe. You can use any number of tools to rough out the cylinder for the mill. I use a large roughing gouge but you can use other tools as well. Skews in the hands of experienced users work well, smaller spindle gouges will take a little more time or even carbide tools like Easy Wood Tools can make quick work of rounding out the blank.

Once rounded it is time to make the decision on which end is going to be the top of the mill. This often is determined by planning the best use of figure, spalt or flaws in the wood. Once the top and bottom are decided it is time to make some marks on the blank. I like to break it into the obvious sections. For the top, I usually add about a 1/2" to 1 full inch depending on the shape I will be turning. I also plan to make a spigot that will hide the tops mechanism from view. This I plan for a 1/4" to 3/8" then I mark where I will part the two pieces. This automatically sets up the bottom. I then mark where the top and to bottom meet so that I don't lose the orientation of the grain.

Now that I have marked my blank, I'll cut the tenons paying close attention to match the size to the jaws that I will be using. Then I clean up the ends as needed. I'll also make a fairly deep cut where the spigot tenon on the cap will enter the body of the mill. This can be done with either a diamond parting tool, bedan or a square carbide cutter. The spigot will be approximately 1 9/16" so, I cut down to near 1 5/8" using a Galbert Caliper, any preset caliper will work. Then using my parting tool I will part down until leaving approximately 1/4" of material and will then turn off the lathe. At this point, I'll take either a hacksaw or backcut saw and separate the two pieces. *(this is much safer than trying to cut all the way through with the lathe running)*



## Peppermills Made Easy - Larry Randolph



Next I will remount the bottom of the blank/mill into the 4 jaw chuck. Once secured, I will use a 1" #2 morse taper drill bit and mount it in the tailstock quill. (There are many plans that explain using

forstner bits in many different sizes but we are going to simplify this a little.) I make sure to snap or slap the morse taper bit soundly into the quill for a pressure fit. Then with the lathe spinning at approximately 400 rpm I start to crank the bit into the wood. If you go much faster you will dull your bit quicker with too much heat and smoke the wood. I clear the bit often and reposition the quill and tailstock as needed based on the depth of cut.



1" Morse Taper #2 Drill

Once I have drilled the blank just over  $\frac{1}{2}$  way through I'll replace the morse taper bit with Woodcuts Mill Drill which is also built on a morse taper #2. This tool is designed to set the cutters to the necessary diameter



depending on the pepper mill kit you are using. As I am doing a Crush Grind kit these cutters will be set to 6.5mm and the one on the back of the tool should be set to 5mm from the base. These will allow the Mill Drill to cut the appropriate openings for the base of the Crush Grind mechanism  $1 \frac{9}{16}$ "

and  $1 \frac{3}{4}$ ".

Woodcuts Mill Drill has a couple of marks that will tell you the depth of cut on. The advantage to this tool is that it replaces two other forstner bits that normally take longer to drill with as well as the bit changing time. Though it is not a cheap tool it definitely speeds up the process. I highly recommend this tool over forstner bits and extensions.

At this point, I examine the holes I have drilled for tear out. I take a dowel and wrap 100 grit sandpaper around it and turning at the same speed, 400 rpm and sand out the rough bits left behind by drilling. There is no need to sand to a high grit on the inside (unless you like sanding) as I just want to make sure that all of the loose fibers and tear out are sanded flat.

This is also a good time to sand the bottom of the mill to a finished grit. Cutting end grain can be difficult if you allow it to be. I prefer to either use a bowl gouge and shear scrap, a negative rake scraper or a sharp carbide cutter. You must make sure that you don't take much off the bottom as you want your tenon to still have plenty of room while insuring that your pepper mill sits flush on the cabinet countertop. Once I have got the finish cut I like I then sand up to 400 grit.

Now that the bottom is finished, I flip it around in the chuck and use the 1" morse taper bit to drill the rest of the way through the blank. Then just like before, I replace that bit with the Woodcut Mill Drill and drill just the first hole just about a  $\frac{1}{2}$ " deep. This will be where the spigot I cut to  $1 \frac{5}{8}$ " on the top will sit to hide the Crush Grind plastic inserted into the top of the mill. As





## Peppermills Made Easy – Larry Randolph

before, I use the dowel wrapped with 100 grit sand paper to take off any torn grain to flatten it out. Again, I shear cut the end grain and finish sand it to 400 grit.

At this point, if I know the shape I want I can cut that shape with my gouge between centers. I make a jam



chuck that fits in the chuck and use a cone center for the tailstock side. I prefer to use pine as the jam chuck as it is soft and will not mar the blank. However, most times I will get to this point and not yet shape it and go onto drill the cap/top of the mill.

After I set the body aside, I remount the top/cap blank back in the chuck. At this point I carefully remove more of the spigot while test fitting it to the top of the body where it will go when finished. Once I remove enough material that it is a fit I sand the spigot to finish again 400. The spigot needs to have a little play between it and the body of the mill but not so much that you would consider it slop. Remember, wood always moves and you don't want to have the tolerance so close that when humidity is high it swells and sticks. By the same token, you want it close enough that it doesn't really "wiggle" when used.

Next I drill with my drill chuck mounted in the quill of the tailstock with the 15/16" forstner bit. I want to now drill this at least 1 1/4" deep. 1 1/2" gives you a little more room for error. You can start to shape the top if you wish in the chuck but often times I take it out and replace it with a softer piece of wood like pine (you can use the one you turned the body with) to form a jam chuck to fit the hole I just drilled onto. Again, by using a softer wood you don't risk marring the piece. I cut slowly until I get the jam chuck to fit very snugly when I push the top of the mill blank onto it. Then I shape, finish cut and sand it.



Designed to work with the Crushgrind mechanism

Assembly of the Crushgrind mechanism is pretty straight forward. The best advice I can give you is to use epoxy for your glue. CA glue is to brittle and will give way over time.

As for a finish, I prefer something harder like a spar urethane or in particular one product from General Finishes called "Woodturners Finish." It is to apply and builds to a high gloss if that is what you are going for. The main piece of advice I would give about your finish is to remember that not only will this turning be it will be handled with potentially greasy or salty hands. So, it needs to be a harder finish than most friction polish or wax finishes will give.

The biggest part of turning a peppermill once you understand drilling is to simply just choose the particular

## Peppermills Made Easy – Larry Randolph

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shape you are looking for. I researched for a long time the different styles of mills that others turned as well as those that are in mass production. Though I personally don't care for the traditional style that you typically see in stores there are many that do. So, in doing your research you'll need to decide for yourself what your personal esthetics you are looking for. There are modern straight lines, traditional beads or simple curves. Whichever you choose, you'll enjoy turning peppermills weather for sale or as a gift.

### Materials

**Hardwood Blank 3"x3"x10" longer for a taller mill** <https://www.amazon.com/CrushGrind-Pepper-Spice-Grinder-Mechanism/dp/B01N1ZQ9NF?th=1> Amazon \$13.95

<https://www.petergalbert.com/tools-for-measuring-and-sharpening> Peter Galbert Caliper: \$79.95

**1" MT2 Drill can be found at either: Amazon: \$34.95** [https://www.amazon.com/HSS-MT2-Taper-Shank-Drill/dp/B008K306XK/ref=pd\\_rhf\\_dp\\_p\\_img\\_4?encoding=UTF8&psc=1&refRID=6AY1N2A10J76Y5YK2VT9](https://www.amazon.com/HSS-MT2-Taper-Shank-Drill/dp/B008K306XK/ref=pd_rhf_dp_p_img_4?encoding=UTF8&psc=1&refRID=6AY1N2A10J76Y5YK2VT9)

**Or Machine Shop Supply: \$29.95** [https://www.msdiscounttool.com/catalog/product\\_info.php?products\\_id=38484](https://www.msdiscounttool.com/catalog/product_info.php?products_id=38484)

**Wood Cut Tools – Mill Drill Amazon: \$89.95** [https://www.amazon.com/Woodturning-Mill-Drill-Production-CrushGrind-Mechanism/dp/B07KFPZVBQ/ref=sr\\_1\\_1?](https://www.amazon.com/Woodturning-Mill-Drill-Production-CrushGrind-Mechanism/dp/B07KFPZVBQ/ref=sr_1_1?dchild=1&keywords=mill+drill+wood+cut&qid=1599188294&sr=8-1)

[dchild=1&keywords=mill+drill+wood+cut&qid=1599188294&sr=8-1](https://www.amazon.com/Woodturning-Mill-Drill-Production-CrushGrind-Mechanism/dp/B07KFPZVBQ/ref=sr_1_1?dchild=1&keywords=mill+drill+wood+cut&qid=1599188294&sr=8-1)

**Forstner Drill Bit 1-9/16"**

**Woodturners Finish – General Finishes**



# Programs



Below are some of the general guidelines the board and I have discussed regarding our club demonstrations

1. We want to have demonstrations that are informative, instructive, and responsive to the interest of our members. When I think of a good demonstration, I think of one that I'm interested in and can go home and try in my own shop.
2. We want to have high quality demonstrations. Our demonstrators are evaluated both on their content and their ability to present.
3. We will draw many of our demonstrations from the membership of our club. We have some outstanding individuals in our club who not only have established themselves as turners, but do an excellent job of presenting.
4. From time to time we would like to bring in nationally recognized demonstrators (Allen Lacer, John Beaver). Budget is a factor, so this is not something that will happen on an every month basis.
5. We want to be responsive to the members of FHW. This is a two way street. When we solicit your opinions on topics, demonstrators, or whatever, please share your thoughts. Give us something to work with as we don't want to have demonstrations only determined by 5-6 people.

This month's demo: **John Beaver - Wave Bowl.** Ray sent out a great flyer regarding this demonstration just a couple of days ago. Don't miss out!

Two of our board members have seen John's demo and both were impressed. I have researched John's resume and website and was equally impressed. We hope you will be too!

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# Programs

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This years demonstrations - I am currently soliciting demonstrators for all of 2021. Please contact me with any thoughts you have about our club demonstartions. Topics, demonstrators you would like to see, if you would like to be a demonstrator, or just to shoot the breeze a little, please get in touch.

An idea I am working on: **Tips & Tricks Demo Video** Maybe you don't have 90 minutes of material, but have a tip or trick you have developed. Maybe you have that one special tool that everyone would love to see. Finishing Techniques, anything that could be interesting. We'd like to record these tips & tricks and edit them into one video that could be used as one of our meeting demos. In the past I've seen some fascinating stuff in these demos and learned a great deal. For the meantime we will continue to have online meetings so we have the equipment to produce a tips & tricks video which could be used online or in person. Stay tuned for more details. In the meantime, if you would be willing to contribute to this project please get in touch with me by March 1. You can reach me at 785-317-3179 or at [sabiietau@gmail.com](mailto:sabiietau@gmail.com). I look forward to hearing from you soon.

All the best,

Steve Bietau  
2021 Program Chair  
785-317-3179  
[sabietau@gmail.com](mailto:sabietau@gmail.com)





**Ya Gotta Eat**



**Tuesday  
February 16th  
at Noon  
Back room of Vista**



**Show and tell  
always welcome**

# January 2nd 2021 club meeting minutes

A total of 34 members participated in the monthly zoom meeting including a few members from the South Kansas Woodturners Club of Wichita and Kansas Area Woodturners of Topeka.

**Reports:** Vice President - vacant, Secretary - no report

**President** – David Delker: We are still looking for a Club member, who is also a member of AAW, to fill the Vice President position. For 2021 monthly meetings, we will be watching the conditions in the two Manhattan counties (Riley and Pottawatomie), as well as neighboring counties where our members live. As vaccinations are implemented, cases decrease, and members are comfortable gathering again, we will continue our in-person meetings. We appreciate all members and visitors who are participating in our virtual monthly meetings. Visitors can send their name and email address to [fhwpresident@gmail.com](mailto:fhwpresident@gmail.com) and we will add you to our newsletter mailing list.

**Treasurer** – Ross Hirst: Dues have been waived for 2021 so all paid members for 2020 are automatically given membership for 2021. If members would like a membership card, please contact Ross

**Operations** – Tom Shields: The next event in which the Club would normally participate would be the Mini Makers Faire in Manhattan typically held in May. At this time it is unknown whether this event will take place.

**Past President/Newsletter** – Ray Case: Members should let Ray know if they are not receiving the newsletter. Please send him articles or information you would like to share in the newsletter. If an article is from another publication, please provide information regarding the copyright.

Members are encouraged to make a video of a shop tour, demo, or tips and tricks for Ray to upload to the Club's YouTube channel.

**Member at large**- Tom Boley: A big thank you to Ray from Tom and the Club for volunteering to keep the FHW website going and for making anticipated updates.

**Programs** – Steve Bietau has started working on demonstration ideas for 2021. Member volunteers are needed for demonstrations and suggestions of virtual demos by folks outside the club are requested.

**Demonstration:** A recorded demonstration by Larry Randolph from Woodturners of Southwest Missouri on turning a peppermill was shown. It can be seen on his YouTube channel at [www.youtube.com/watch?v=3nqMLH6WD-Y](http://www.youtube.com/watch?v=3nqMLH6WD-Y). A variety of sizes and designs of peppermill hardware can be purchased as kits from multiple vendors. Larry provided great tips on design considerations and on keeping the multiple drilling steps running true for proper mechanism alignment along the lengths of the pieces.

**Show and tell:** Participants included: Vaughn Graber, Don Baker, Victor Schwarz, Tom Shields, Dennis Biggs, Ray Case, Melissa McIntyre, Steve Hougham, Tom Boley, David Delker, and John Nicholas.

Our next meeting will be February 6<sup>th</sup>. Artist John Beaver of Pacific Palisades, CA will demonstrate turning a wave bowl.

Meeting adjourned at 12:08 pm.

Barbara Drolet—Secretary

# January Show and Tell



David Delker



Dennis Biggs



# January Show and Tell



**Don Baker**



**Melissa McIntire**



**Ray Case**





# January Show and Tell



Vaughn Graber



# January Show and Tell



Steve Hougham



Tom Shields



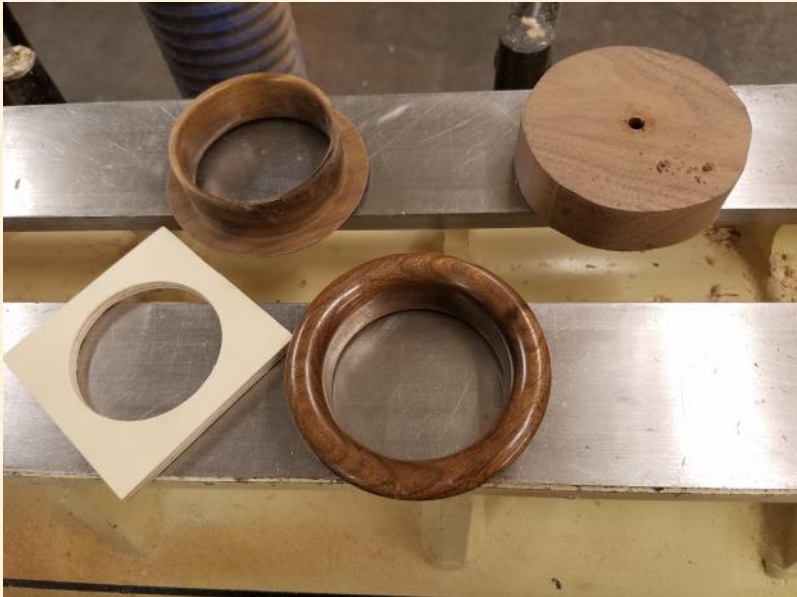
# January Show and Tell



**Victor Schwarz**



**Tom Boley**



# For Sale

I also have a dust collector for sale which I would like to advertise in the next newsletter. It is a 2hp Grizzly portable with double 4" ports and clear collector bag. It runs on 220v electricity. A new one like this appears to be about \$400. I am asking \$195.

Tom Boley

[tboley10@gmail.com](mailto:tboley10@gmail.com)

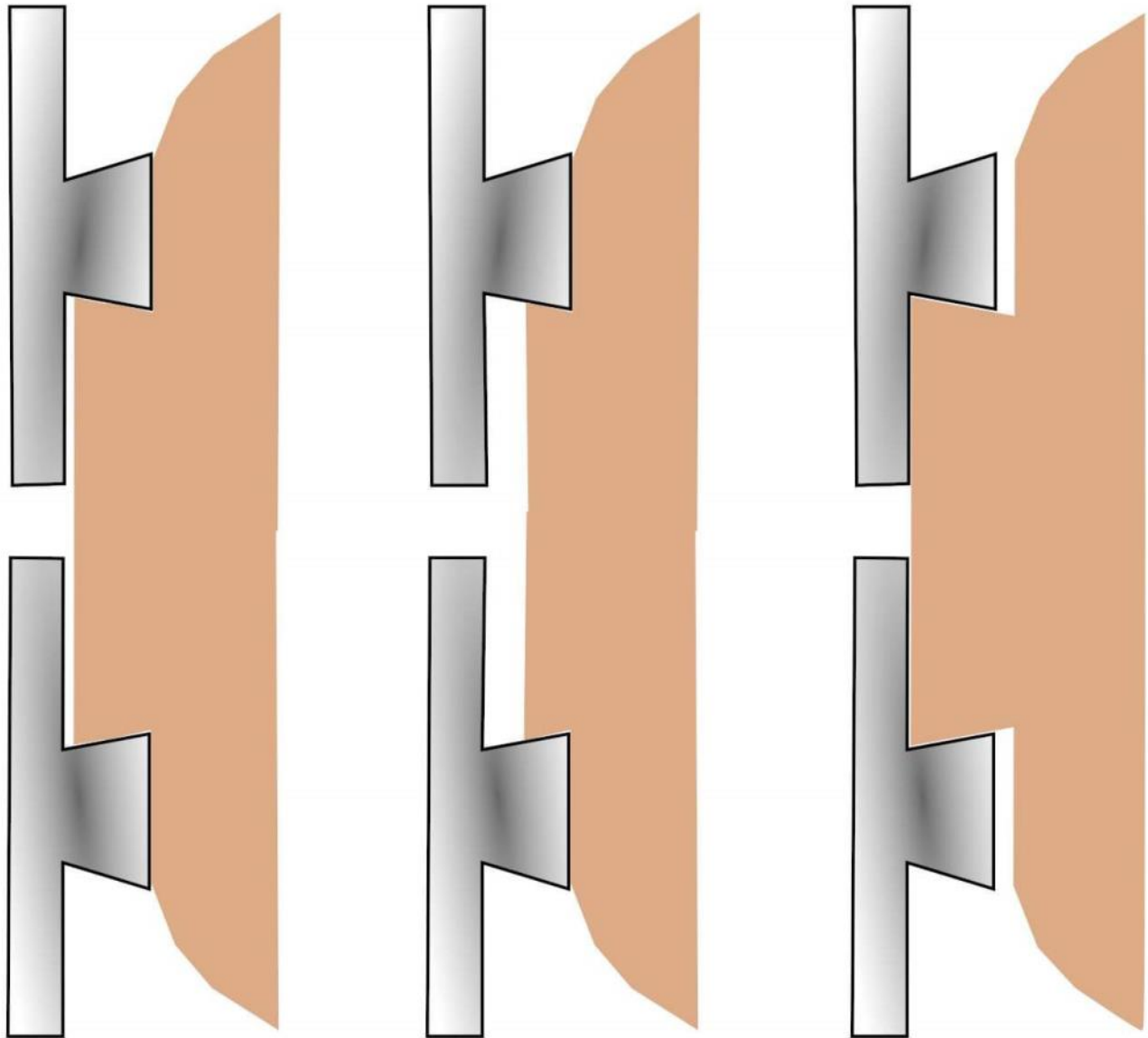




# Safety Corner

**Using the best will save your face.**

## TENON FOR SCROLLCHUCK



1) BEST

2) OK

3) BAD

1) Bottom of bowl contacts front of jaws, tenon is long without contacting inside face of jaws.

2) Although tenon is short, bowl bottom still contacts front of jaws to minimize breakage.

3) Tenon too long, bottom of turning doesn't contact front of jaws.

Just a light catch can result in breakage.



**President**  
David Delker  
[fhwpresident@gmail.com](mailto:fhwpresident@gmail.com)



**Vice President**  
Vauhn Graber  
Nominee



**Secretary**  
Barbara Drolet



**Treasurer**  
Ross Hirst



**Programs**  
Steve Bietau



**Operations**  
Tom Shields



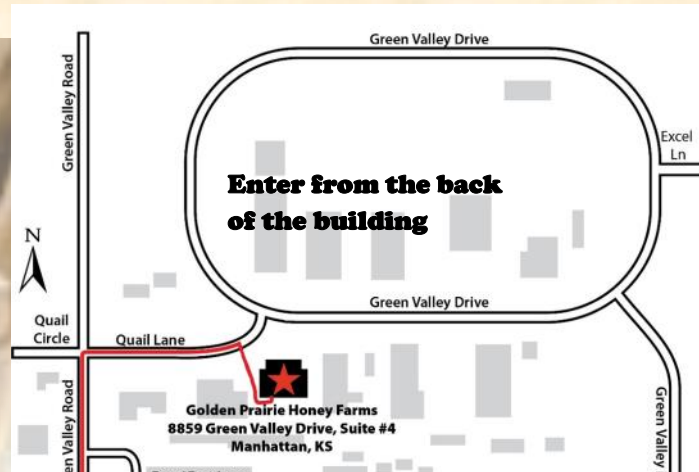
**Member at large**  
Tom Boley



**Past President/ Newsletter Editor**  
Ray Case  
[rcase164@gmail.com](mailto:rcase164@gmail.com)



**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).



**We are meeting virtually by Zoom. If you would like more information about our club and it's activities please email:**

**[fhwpresident@gmail.com](mailto:fhwpresident@gmail.com)**



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.