

June 2021 FLWT Meeting

Our meeting on Thursday June 17 begins at 7:00 pm, and will feature Terry Lund via remote demo. Terry has been a member of FLWT since 2014 and he has been doing woodturning since 2007 when he took a class at the Campbell Folk School in Brass-town, NC.



Terry will discuss the "Ins and outs of making pepper mills" with some emphasis on techniques that are helpful for making larger pepper (or salt) mills on a mini



lathe. Many times woodturners are hesitant to try to make a pepper mill from a kit because they may seem complicated or that they need special size drills. Terry will explain some alternatives

What's Inside

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- ◆ [David Ellsworth Demo](#)
- ◆ [Hollow Vessels, Tools and Techniques](#)
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Important Dates

June 17 FLWT Meeting& Demo
 June 22 Leaders Team Meeting
 June 29 Eastside Breakfast
 July 13 Westside Breakfast
 July 15 FLWT Meeting& Demo
 July 20 Leaders Team Meeting
 July 27 Eastside Breakfast
 August 10 Westside Breakfast
 August 19 FLWT Meeting& Demo
 August 24 Leaders Team Meeting

and techniques that will simplify making the basic pepper mill item through his turning demonstration. He will also show examples of several different pepper mills from kits, and will discuss some of the potential issues or pitfalls with some of the kit designs or instructions. Some handouts will be available via URL link prior to the meeting. .

FLWT Social Media Links



May 2021 FLWT Meeting

Our May meeting featured David Ellsworth via remote demo. David is one of the most well known names in the field of woodturning. During the IRD with FLWT David discussed his approach to designing and turning hollow forms and demonstrated his techniques for making a thin wall hollow vessel.



During the mid-1970's David developed a series of bent turning tools and the methods required for making the thin-walled hollow forms of which he is known worldwide. His first article titled, "Hollow Turning" appeared in the May/June 1979 issue of Fine Woodworking Magazine. His first book, Ellsworth on Woodturning, was published by Fox Chapel Publ. in 2008.



The piece David turned for our club during the demo will be raffled at our next club meeting. Raffle tickets are available on our website [here](#). Hopefully the video will be available for viewing,



David starts with a log between centers and turns a cylinder, then into a sphere. Then the form is rotated 90 degrees and the nubs from the centers are removed. The sphere is refined and a tenon is formed on the bottom side. The sphere is then hollowed. Once hollow, the form is reversed and the tenon is blended into the bottom of the form. David's focus is always on the process of creating his art, from tree to form, with attention to detail.

David Ellsworth Demo Piece to be Ruffled

June 17



Look at the
Rainbow Poplar

Signed by David



BUY YOUR TICKETS HERE



President's Letter May 2021

"April showers bring May flowers" makes it seem so quaint and straightforward. However, those of us from upstate New York know that these showers can be anything from light sprinkles of rain to multi-inch snowstorms. Nonetheless, we have endured and are ready to fully experience Spring - just as much as we are all ready for the COVID restrictions to be lifted. The Board discusses this issue every month - and we will certainly be ready when it is time, but we want to make sure that time is right for all. We will be discussing it again at this month's Board meeting, for which Zoom information will be posted in the member's section of our Web Site. All members are certainly welcome to attend.

Thank you to Terry Lund for pulling together the monthly breakfasts and making it breakfast in the park when the weather cooperates. We have heard a lot of great feedback from those that can attend - safely social-distanced, but once again able to talk face-to-face. While we don't expect outreach programs like the Perinton or Greece workshops to open before fall, we are hopeful that some small group gatherings can start soon.

Last month, Larry Lobel presented a demonstration on Hollow Vessels, Tools and Techniques. Please join me in thanking Larry for an exceptional demonstration with a lot of great information! The video is available in the member's section of our website, in case you missed it or want to watch it again.

Through a generous donation, we were able to auction off a Glenn Lucas bowl. About one year ago, Glenn was scheduled to visit Rochester but eventually had to cancel because of COVID. We were thrilled to be able to have one of Glenn's pieces available for auction! So thrilled that we will have another one available in the June timeframe. These were donated, so all proceeds go to FLWT - and continue to help us work towards a goal - to have a world-class woodturning learning environment where our members and paying turners from other areas can receive classes from world-class turners. Last month I reported that we added to the available Vicmarc chuck inventory and purchased a full complement of face shields for the shop. This month I am reporting the generous donation of ten anti-fatigue mats - one for each full-size lathe in the shop!

This month's demonstration, on May 20, will be from David Ellsworth, who will discuss his approach to designing and turning hollow forms and will demonstrate his techniques for making a thin-wall hollow vessel. During the mid-1970's David developed a series of bent turning tools and the methods required for making the thin-walled hollow forms of which he is known worldwide. His first article ti-

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tled, "Hollow Turning" appeared in the May/June 1979 issue of Fine Woodworking Magazine. His first book, Ellsworth on Woodturning, was published by Fox Chapel Publ. in 2008.

If you haven't tried turning a hollow form or are an old master to the techniques, please participate in this month's President's Challenge to turn a hollow form using any technique you like - even be a Bead's of Courage Box to donate to the cause. We are still hoping for a great turnout against our goal of 45. If you have one completed, it can be dropped off at the following locations:

- * Jim Byron - 131 Chelsea Meadows Drive, West Henrietta
- * Denis Caysinger - 365 Peck Rd, Hilton
- * David Gilbert - 696 Hightower Way, Webster
- * Mike Sullivan - 18 Brookside Dr., Fairport

Happy May. Keep turning. And, try something new!

-Phil

Presidents Challenge

**Turn a Sphere for 1 chance
Hollow the Sphere for 2 chance's**

**Submit your entries to
[NEWSLETTER](#)**

Due by the June 17 meeting

Presidents Challenge

Turn a Pepper Mill

**Submit your entries to
[NEWSLETTER](#)**

Due by the July 15 meeting

Twice Turned (Originally Published March 2011) Proportions and Profiles...Lou Stahlman

Written by Lou Stahlman

Photos by Ralph Mosher



**Lou Stahlman... before
our enlightenment**

He began by abrasively picking on one of our cutest, oldest, most revered members, The Right Honorable James Pierpont Hotaling. From South Carolina. Or is it Texas?

When the jeering ceased, Stahlman moved on, citing Raffan, Mosher and Smith as major contributors to his presentation. The ploy was clear--bring forth the names of recognized authorities to mask his own deficiencies. Didn't work then, won't work next time either.

For the attentive listener, several points were put forth:

-To have pleasing appeal to a wide audience, a turned wood bowl should be pleasant to the eye and pleasant to the touch, simultaneously. In short, look good, feel good.

-Two of the variables that influence visual and tactile appeal are proportion and profile.

February 17, 2011

On this date, Lou Stahlman brought a dog-and-pony show to the February meeting of Finger Lakes Woodturners. It turned out about as well as could be expected. Maybe a tad less.



-There is research evidence to support the contention that a ratio of 1.6:1 is the ratio most likely to be found appealing by the most viewers. In one study, a 1.6:1 ratio was preferred by 35% of the view-ers. Ratios between 1.5 and 1.75 were preferred by more than 75% of the viewers. 25% of viewers prefer a ratio outside the 1.5-1.75 range.

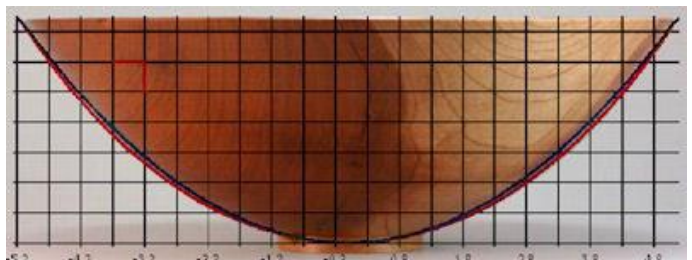
-Credit cards are popular because their dimensions (54mm by 86mm) have a 1.6:1 ratio (The Golden Proportion) and they can be used to buy new turning tools.

-When you cannot express it in numbers, your knowledge is of a meager, unsatisfactory kind. Lord Kelvin, British Physicist.

-Math-based curves are more likely to be pleasing to eye and touch than random, take-whatever -happens profiles.

-Four math-based curves were identified: catenary, parabola, circle (arc) and ellipse.

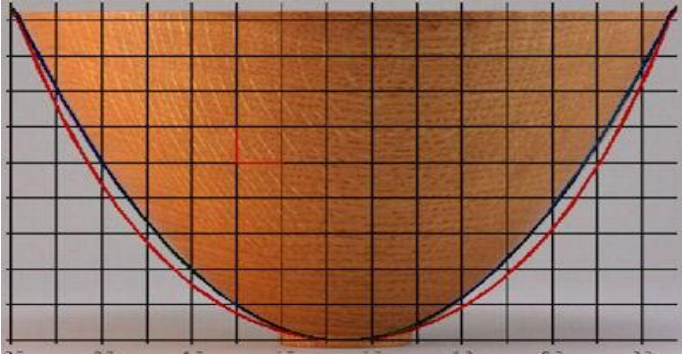
-Slides of visual comparisons between catenary and parabolic curves were shown.



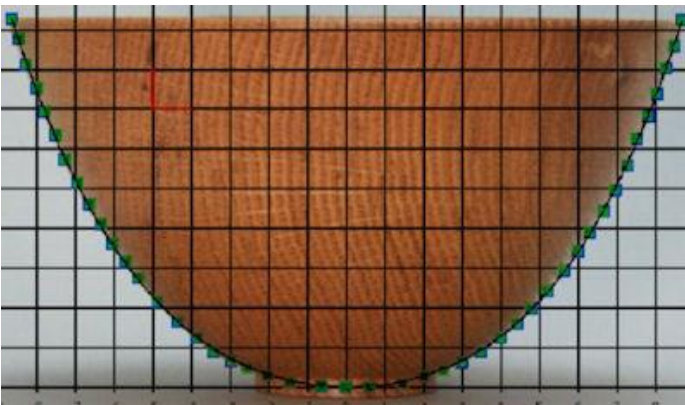
**Bowl with Catenary Profile Catenary fit is
red curve**

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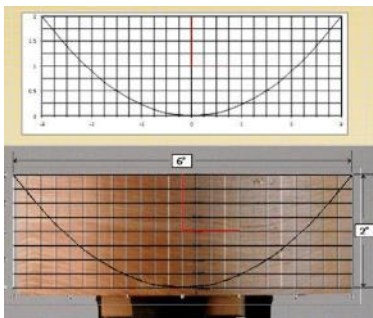


Bowl with Catenary Profile Catenary fit is red curve



Bowl Profile is neither Catenary or Parabola The profile fits a 4th order Polynomial

-A quick slide demo of how to define in numbers the one parabola that will fit a given workpiece was shown. Those numbers were then used to graph the parabola on paper. Once on paper, the parabola could be transferred to the work piece by calipers, template or call to a FLWT mentor.



Overlay of a Parabola Profile on a given work piece.

In closing, a quote from Richard Raffan was read aloud: —Techniques can be easily taught but design is another story. Yet it is probably the most important story in the arts and crafts. In woodturning, re-fined technique, choice of wood or grain pattern, as well as finish are icing on the cake but the heart of the issue is design. Without it, the project will never be first class.¶

-Concluding the evening was a —Prestini Challenge---turn a large disk, any diameter, any thickness, any wood. Then turn 8 smaller disks of a diameter such that when placed around the perimeter of the large disk, each small disk touches its two neighboring small disks and the large disk.

A photograph of the —James Prestinill salad set may be viewed at the following web site:

To add further excitement and suspense to the Challenge Process, the speaker added a special inducement: if 300 or more members satisfied the specifications of the Prestini Challenge, he would donate copies of Turned Bowl Design and The Art Of The Turned Bowl, each book authored by Richard Raffan, to the club library.

The few remaining members were awakened and told the meeting was adjourned.

*Slides shown during the meeting are on the FLWT website. ♦

Written By David Gilbert

Making hollow vessels has become a popular activity for many woodturners. These vessels offer plenty of challenges in terms of the techniques and design. Because of the rigors of hollowing by hand a variety of systems have been developed to assist with the process. Since



they offer improved control and safety, hollowing rigs have gained in popularity over the last few years. In this demo Larry showed some of the hollowing tools that are available and demonstrated basic hollowing techniques with Lyle Jamieson's captive hollow system and with Trent Bosch's articulating system. He also demonstrated the use of a laser and a camera that he has developed to aid in visualizing vessel wall thickness while hollowing. While all of this was going on, Larry dispensed lots of useful tips, suggestions, and opinions.

The general plan for making a hollow vessel starts with finding the wood and developing a design. It is essential that the blank has a strong and robust tenon for the scroll chuck since there can be significant stress during hollowing. The outside is finish turned and sanded. A center hole is drilled to the desired depth and then a variety of tools are used to remove the wood from the inside of the vessel. Since the insides can't normally be reached,

they are left unsanded. The vessel is then finished and turned around and the chuck's tenon is removed.

Larry started his demo by showing some of the tools that he uses. There are different designs and features as well as a lot of interchangeability between the systems. For example, in the photo below he is holding a small HSS bit that is screwed or glued into one of his John Jordan tools. By using different straight and bent tools, the inside wood can be removed.



Hollowing a piece usually starts by drilling a starter hole so the straight cutter can scrape out the middle of the piece. Next, a series of curved or bent tools are used to widen the inside of the vessel. As the insides are removed, one of the risks is that the walls become too thin, and you cut through to the outside and destroy the piece. Producing smooth and uniform interior walls is one of the real challenges of hollow vessels.

Hollow vessels come in at least two different styles, end-grain and side-grain (like most bowls). End-grain vessels tend to be taller while the side or cross-grain vessels tend to be wider. Wall thickness and thus the vessel weight are key design aspects.

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There are a variety of calipers that are used to measure or estimate the wall thickness. Larry demonstrated the use of a set of very nice Lee Valley retractable calipers, <https://www.leevalley.com/en-us/shop/tools/hand-tools/mark-and-measuring/calipers/43201-thickness-calipers>. The difficulty in estimating and controlling wall thickness has generated a variety of laser and computer solutions.

The first system that Larry demonstrated was Lyle Jamieson's. All of these hollowing systems are expensive and Lyle's costs from \$430 to \$599 before any options, <https://lylejamieson.com/product-category/catalog/>. Below is a photo of Larry and his Jamieson system and one from Jamieson's website.

Jamieson's system offers a very stable platform for hollowing. The frame at the back holds the cutting arm at the center and prevents it from moving off axis or rotating. This helps but doesn't eliminate getting a catch. It allows the cutter to be



moved in a smooth and controllable manner. One problem with this system is that it is relatively large so off-lathe storage could be a problem. The photos above show an overhead laser that is used to guide the scraping of the vessel. The laser is aligned to be a wall thickness away from the cutter. The photo below shows a bright spot on the outside of the vessel. By seeing that the spot is on the side, Larry knew that he was safe to cut out more of the sidewall. Once the bright spot moves off of the piece then the cutter is closer to the outside wall than he intended. One of the challenges with the laser is to align and stabilize it such that the vibrations and movements of hollowing don't move it. Hollowing with this system and its laser means that you need to watch both the outside and the inside of the vessel (where possible) at the same time, so you need to operate it from the side of the lathe.

His process was to nudge the cutter in three times in a row and then move back



over that area to smooth out the grooves and then blow out the shavings. He also showed using a tear-drop scraper that did a very nice job of smoothing the inside.

The second system Larry demoed was the articulated arm hollower from Trent Bosch, <https://trentboschtools.com/>. This system is comparable in price (\$300 - \$400+). Below are photos of the Bosch system. The smaller photo in the BW im-

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age shows a good view. The articulated arm folds up on itself and provides a stable range of motion for hollowing. Larry used his moveable headstock, so he was able to stand at the end of his lathe while hollowing.

Larry started the next piece by drilling a center hole with a gun drill. These work by pumping compressed air through the center of the drill to blow out the chips.



Unlike normal drills, these normally generate very straight and centered holes. It was surprising how quickly and easily, he hollowed out the inside of the vessel. Larry felt that Bosch's system had more and easier movements than Jamieson's and that it almost felt like hand hollowing.

Knowing where you are cutting in a vessel is one of hollowing's big problems. Lasers help but aren't always a good solution. Larry's experience as a software engineer helped him develop an improved and elegant solution. He started with a Raspberry Pi computer. This is an inex-



pensive computer designed for students' use. He added a video camera, TV monitor, HDMI cable as well as a couple of switches to control the system. With the software Larry is able to take an image of his hollowing tool and then superimpose it on the image of the lathe and vessel. By watching the monitor, he can see the relative position of the cutting tool and the insides of the vessel. In the upper right-hand corner of the next two photos the monitor's image is shown. The monitor shows the cutter moving around as it's moved on the lathe. Contact Larry directly if you are interested in building a system like this. The estimated cost is about \$125, and he has a parts list available.

Larry quickly hollowed out the remainder

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of this piece. He then proceeded to cut it in half (with some protests about destroying a sow's ear that could have been made into a silk purse). The photo below shows uniform (if a bit rough) walls.

The last step in a vessel is to remove the tenon and finish the foot. Larry didn't go into detail here but did show Rubber Chucky's Reverse Chucky Mandrel that works nicely to finish the foot, https://www.rubberchucky.com/store/p15/Reverse_Chucky%2FMini_Reverse_Chucky.html#.

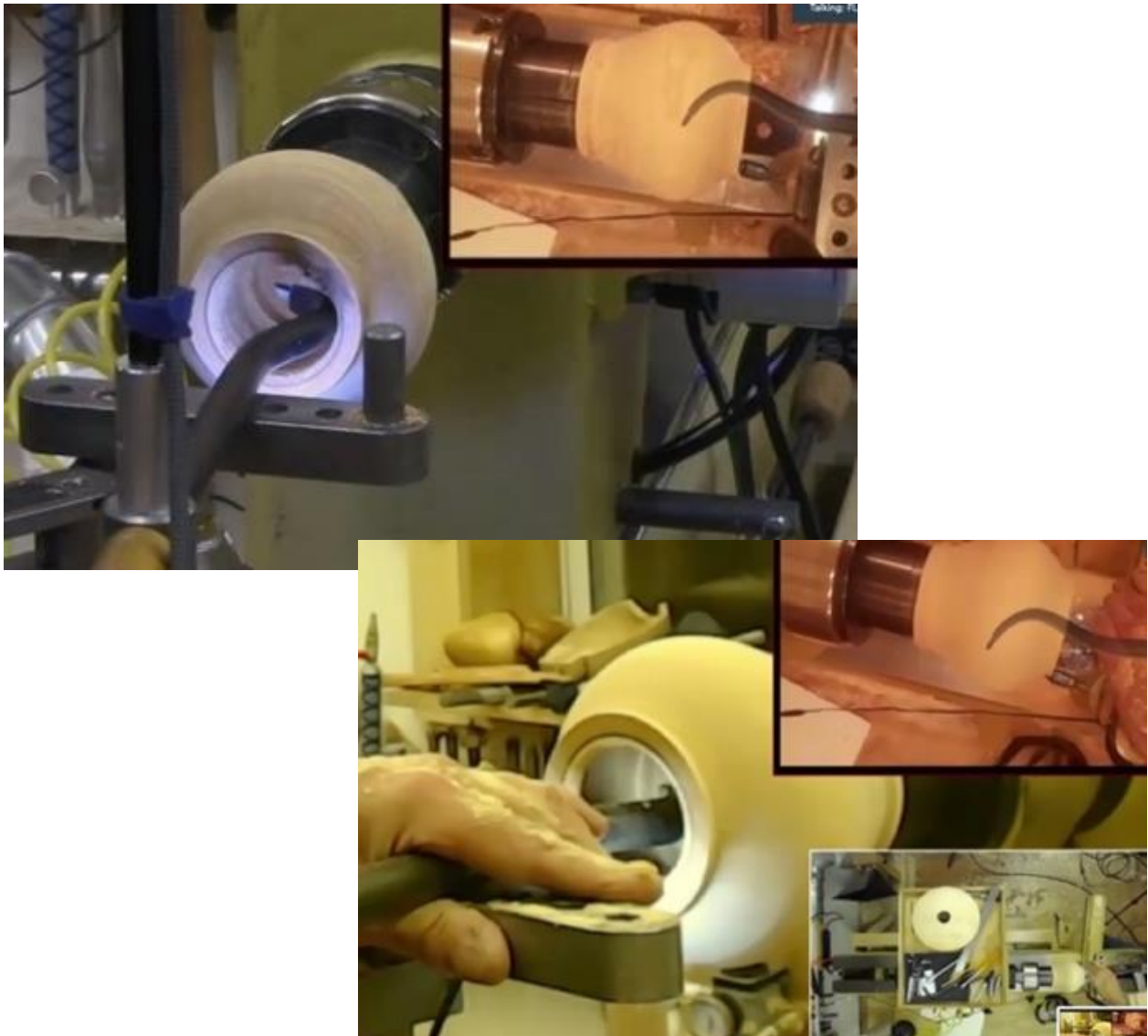
Larry did pose two philosophical ques-

tions about this process that you will need to decide:

Before you start a cut, is the cutter inside or outside the vessel?

When you turn off the lathe, is that same cutter inside or outside?

There are lots of options for hollowing and our members' probably own most of them. If you are interested in learning more about hollowing, contact Larry or any of our hollowing members who will be happy to get you started. An additional resource is our club library. We have a large selection of hollowing books and videos as well as a tool library that includes a set of John Jordan hollowing tools.



Win One - Bring One

Twice a month, at the S3 meeting and the Monthly meeting, we do a drawing among the members present at each of the meetings. The winning name is the winner of the donated piece that month, and they "bring back" any turned piece they have made at the meeting in the following month.

Larry Lobel donated a Box Elder Hollow Form, 8" tall and 5" at the wide part,
Won by Dan Meyerhoefer.



Marty Chatt donated an 8" tall
Butternut hollow form, made
with segmented rings, won
by Bob Farnam



Win One - Bring One

Dan Meyerhoefer donated a 8" cherry platter with burl veneer and a small box about 4" high, won by Dennis Brutsman



Bob Farnam donated a Taxus Yew bud vase, about 7" tall and 2" diameter with a copper liner and epoxy bottom, won by Kathy Bernard

Show and Share



Mike Sullivan
Turned from
auction wood

Dublin Viking Bowl
6" x 3"

Maple Burl
7" x 2.5"



Show and Share



Cliff Weatherell

Childs Chair—turned on his
new lathe

Beads of Courage Box
Ash



Show and Share



David Gilbert



Show and Share

Jim Byron
Carved and painted
with an airbrush.
Unknown wood

Spalted Bowl



Show and Share

Gary Russel



Presidents Challenge Hollow Form

David Gilbert



Gary Russell

Presidents Challenge

End Grain Vessel

David Gilbert



Jim Byron

Mike Sullivan



Presidents Challenge End Grain Vessel



David Gould



Presidents Challenge

End Grain Vessel



Pete Shea
Beads of Courage
Wave Inlay

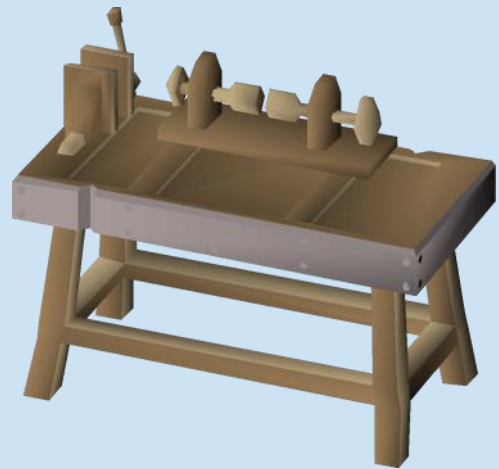


Gary Russell



Buy, Sell & Trade

If any member would like to place a Buy/Sell/Trade classified ad in the newsletter for wood turning related goods email the newsletter with the pertinent information and optional photos



FOR SALE

JET JML-1014VS

Asking price \$350, as pictured

Contact Cliff Weatherell

canoeboy@rochester.rr.com



Breakfast in the Park



Second Tuesday
Westside

Last Tuesday
Eastside

FLWT Demonstration Schedule 2020-2021

Sept 17	Trent Bosh - Decorative Utility Bowls
Oct	Cindy Drozda - Finial Box
Nov	Joe Wiesnet - Bottoms Up - Foot First
Dec 17	Rudy Lopez - Natural Edge Wing Bowl from half log or crotch section
January 21	Phil Rose - Multi-Axis Turning
February 18	Jim Echter - Chucking and Mounting Wood on Your Lathe
March 18	Tod Raines - Using Hook Tool - end grain hollowing + small wine glass if time allows
April 15	Larry Lobel - Hollow Form, Tools and Techniques
May 18	David Ellsworth - Hollow Forms
June 17	Terry Lund - Pepper Mills Revisited
July 15	Dave Landers - Three Piece Goblets
August 19	Jeffrey Cheramie - Topic TBD

FLWT Demonstration Schedule 2021-2022

Sept 16, 2021	Stuart Batty
Oct 21, 2021	David Gould - Box with a Threaded Top
Nov 18, 2021	Harvey Meyer - Basket Weave Illusion
Dec 16, 2021	Round Robin Holiday Celebration Returns (hopefully)
January 20, 2022	Tim Yoder - projects and techniques for less experienced turners
March 17, 2022	Keith Gotschall - Turning a Delicate Bowl with Beaded Detail
September 15, 2022	Michael Hosaluk - Something New and Different

FLWT Mentoring Program

Here's a great way for you to improve your turning skills. FLWT has award winning and expert turners who, at no cost, are willing to share their expertise one-to-one with other club members. A mentoring relationship might be as simple as getting a mentor's advice in a one time conversation. Or, it might include regular hands-on sessions over a lathe. The exact nature is up to you and your mentor. If you feel you could benefit from mentoring, organize your thoughts about your needs and contact an appropriate volunteer

[Mentor](#) to determine if they are match and available. It may be possible to schedule a mentoring session over zoom.

FLWT is also always looking for mentor volunteers

Mentor Contacts

Name	Phone	Email	Turning Skills / Specialty
Mike Brawley	755-2714	mbrawley@rochester.rr.com	Design Principles, Spindles; Bowls and Platters; Sharpening
Jim Byron	478-9911	jimbyronhome@yahoo.com	General Turning; Bowls, Spindles; Hollowing; Sharpening
Ward Donahue	334-3178	wddonah@frontiernet.net	Spindles; Hollowing; Coring; Sharpening
Jim Echter	704-7610	jechter@rochester.rr.com	Spindles; Sharpening; Faceplate turning
David Gould	245-1212	d2sGould@aol.com	Bowls; Plates; Hollow-Forms
Jim Hotaling	223-4877	jhotal2198@aol.com	Christmas Ornaments
Terry Lund	455-2517	terry.lund@gmail.com	General Turning; Dust Collection Design and Installation, Sharpening
Ralph Mosher	359-0986	2mosher@rochester.rr.com	Bowls; Faceplate Turning, Sharpening
Erwin Tschanz	271-5263	TschanzLandscape@aol.com	Historical; Bowls; Plates; Goblets; Boxes; Bone; Antler
Gary Russell	353-3148	cngRussell@gmail.com	General turning, bowls, ornaments, finials
David Gilbert	703-4424	dpgilbert501@gmail.com	General turning, Boxes, Bowls, Tools making, Finishing
Larry Lobel	233-8951	newsletter@fingerlakeswoodturners.com	Hollow forms, General turning

FLWT Board of Directors 2020/2021

Position	Name	Phone	Email
President / Chair	Phil Rose	(585) 267-9857	president@fingerlakeswoodturners.com
Vice President	David Gould	(585) 245-1212	d2sgould@aol.com
Secretary	Mike Sullivan	(585) 388-0047	MJSullivan@rochester.rr.com
Treasurer	Jim Byron	(585) 478-9911	jimbyronhome@yahoo.com
Director	Terry Lund	(585) 455-2517	Terry.lund@gmail.com
Advisor	Jim Echter	(585) 704-7610	jechter@rochester.rr.com
Advisor	Clifford Weatherell	(585) 737-7815	canoeboy@rochester.rr.com
Librarian	Denis Caysinger	(585) 737-8235	dcaysinger@gmail.com
Librarian	Gary Tveit	(585) 293-2412	garytveit@mac.com
Newsletter Editor	Larry Lobel	(585) 233-8951	newsletter@fingerlakeswoodturners.com

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From One Woodturner to Another

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Become A Member

FLWT Meetings are held every month on the 3rd Thursday of the month from 6:00 p.m. – 9:00 p.m., except for special occasions which will be announced in advance on the web site. The club also meets virtually the first Thursday of every month for a show and share. Other membership benefits include vendor discounts, library lending, wood auctions too name a few.

Dues: \$25.00/year Single; \$35.00/year Couple

Students free

If you are interested in becoming a member, you can complete an online application and submit your dues payment via PayPal, or you can fill out an application and mail it with your payment to the address on the application form.