Turning Times

THE OFFICIAL NEWSLETTER OF THE CASCADE WOODTURNERS

FEBUARY 2017

Please make sure that all content for the next newsletter reaches me by the 2nd of March! turningwood@bendbroadband.com Thanks!

NEXT MEETING: 6:45PM, THURSDAY, FEBRUARY 16th AT WILLAMETTE CARPENTERS TRAINING CENTER

Cascade Woodturners will be meeting at

WILLAMETTE CARPENTERS TRAINING CENTER

4222 NE 158TH Ave, Portland, OR 97230-4906

(For a map, click here http://mapq.st/108wBN0)
Use the South door in the middle of the side parking lot

CWA Presidents Message for February 2017

Our demonstrator for the February 16th meeting will be Kathleen Duncan, who will be demonstrating how to design and pierce turnings.

The challenge for February is tops. Past President Skip Burke is our Tops (zov, and is collecting tops for CWA to give to hospitalized children. Each person bringing at least ten tops to the February meeting to donate will receive a \$10 Craft Supplies gift certificate. More information about turning tops is in Cascade's January newsletter.

TIME TO RENEW - USE OUR NEW WEBSITE!

Everyone's membership in CWA expired at the end of 2016. If you haven't already renewed, please do so, and please do it through our website: www.cascadewoodturners.org (you can also use www.cwa49.wildapricot.org). Just click on "Join Us," and email me

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(<u>HarveyRogers@gmail.com</u>) if you have any problems. You can also renew at the February meeting by filling out a form and giving a check to Howard Borer.

Please do renew soon. Not only does it help Cascade, but renewing promptly will insure that you keep getting information about what Cascade Woodturners is doing. Starting in March emails will only be sent to members.

MARCH MEETING:

The March meeting will be the **fourth Thursday in March**, which is March 23rd.

Our demonstrator for the March meeting will be Carl Jacobson, the star of Woodshop.TV and countless YouTube videos. Carl will be showing us how to turn a simple box and decorate it with Lichtenberg figures (sometimes called fractal burning). Lichtenberg figures look like tree branches or frozen lightening. Doing them requires great care and very high voltage. This should be an electrifying demonstration!



The challenge for the March meeting is turned and pierced work. Get inspired in February by Kathleen's demonstration, and bring something turned and pierced to the March meeting.

THE OREGON WOODTURNING SYMPOSIUM IS MARCH 17-19!

The second Oregon Woodturning Symposium will be held in Albany, Oregon from March 17th through March 19th, 2017. You can get more information and register at http://oregonwoodturningsymposium.com.

Cascade Woodturners Association will be responsible for one of the demonstration rooms, and we need volunteers. This is a great opportunity to promote woodturning, to meet famous turners, and have a good time.

Please contact me at the February meeting or at <u>HarveyRogers@Gmail.com</u> to volunteer to work in Cascade's demonstration room. If you would like to help by transporting demonstrators to and from Albany, please contact Pete Gibson at the February meeting or at GibsoP@Yahoo.com.

MORE ABOUT OUR FEBRUARY DEMONSTRATOR, KATHLEEN DUNCAN:

Our demonstrator for the February 16th meeting will be another of our amazing members, Kathleen Duncan. Kathleen will show us piercing techniques, and will also talk about design issues. The following information is from her bio:



As a child, Kathleen was introduced to woodturning by her father. She was fascinated watching as chips flew off the spinning wood. It wasn't until after his death that she first attempted to turn something on the lathe she'd inherited from him. Following her move to Ridgefield (WA) a few years later, she became a member of the two woodturning clubs in Portland. The clubs were a starting point for learning more about woodturning techniques and wood in general. Kathleen is currently a member of the Pacific Northwest Woodturning Guild, Cascade Woodturners, and the Southwest Washington Woodturners. In 2015, she was elected to a 3-year term on the American Association of Woodturners Board of Directors.

Artist's Statement: "Many of the woods I use are from trees that have been cut down due to disease or construction. This is wood that would otherwise be burned or end up in a landfill. To

me, it is exciting to find the hidden beauty in a chunk of wood. Even a very plain piece of wood offers design opportunities. With plain woods, I often enhance the wood by carving or burning. My carved and burned designs mimic textures and patterns found in nature."

"Each piece I turn has to have a balance between touch, shape, proportion, and any embellishments I decide to include. I turn a variety of items – both functional and artistic. I have recently started turning very thin (2mm) bowls and piercing a design into them with a high speed dental drill."



"Much as I enjoy turning by myself, what gives me the greatest satisfaction is showing children the magic that we call woodturning."

Kathleen has demonstrated woodturning at several venues including Art in the Pearl and the Vancouver Recycled Arts Festival. She participated in the 2014 and 2015 Clark County Open Studios Tour. Kathleen is a prolific contributor to the tables at all of the Pacific Northwest Woodturning Guild's regular appearances.



VICE PRESIDENT'S SOAPBOX

VP Voice - Obsession with the Physics of Woodturning

Have you ever been obsessed with something? I am obsessed with the process of removing material from the wood on my lathe. I continually analyze how and why different tools work. I'm looking for the most efficient process that provides the best results.

My obsession began when I attended a demo a few years ago where a well-known woodturner said he did not know "why" a particular cut worked but he knew, if he held the tool at a particular angle, it produced the results he wanted. After hearing that, I started analyzing my work in more detail. I wanted to know what truly makes the shavings fly and what cuts produce which results.

With just a little effort and acute observation, I'm able to analyze how tools work. I refer to it as "The Physics of Woodturning". We all observe the physics of movement including action and reaction, as we proceed through our daily life. Wind in the trees, slicing (or squashing) a tomato, sitting (or plopping) in a chair. It is normally taken for granted and rarely analyzed. Why bother?

Understanding of the physics of woodturning is beneficial to virtually all aspects of the craft. Following, I have mentioned a few benefits and ideas to consider, but as you experience the process of woodturning with all of your senses more finely tuned, you will discover many more ways to benefit from this understanding.

- 1. It will provide the knowledge to make an informed decision when choosing which tools to use. You may be using the right tool but using it inefficiently. Some tools, when used properly, will result in a more efficient and fluid movement. However, if the tool is used incorrectly, it may be difficult to control and it may tear the wood fibers and very possibly result in the dreaded catch.
- 2. Knowledge can be gained by evaluating how the wood is being removed by analyzing the cut. While turning, stop the lathe part way through a cut while leaving the tool engaged and look at how the tool is performing. (Only do this if it is convenient to push the stop button without disengaging the tool.) Look at the cut your tool is making and examine the wood chips. Does it appear to be working properly? Hold the same tool at a different angle or pick up a different tool, try to make a similar cut and stop to compare how the cuts look. While using different tools, be conscious of how each tool feels in your hands and through the rest of your body, all the way down to your feet.
- 3. While making a very light cut, if your tool is sharp and contacts the wood at the most efficient angle, it will produce a very smooth surface and less sanding is required. Who among us doesn't want to do less sanding?
- 4. Develop a "feel" for how your tool is performing. When a tool is not performing as well as it did a few minutes earlier, it may have lost its edge. If so, it is physically less able to cut the wood. Sharp tools are easier to use and "safer" to use. They require less effort and provide more control, so it is important to recognize when your tools need sharpening.
- 5. Sharp tools, used properly, will result in fewer trips to the grinder. For example, if a tool that is designed to slice the wood is used as a scraper, it will blunt the edge more quickly than if it is used as it is designed. Rub the bevel as you slice the wood and the edge will stay sharp longer.
- 6. What shape bevel should be used and how long should it be? When is a convex bevel more effective than a concave or flat bevel? When you rub the bevel of your gouge or

skew, the point of the bevel contacting the wood becomes a fulcrum between the cutting edge and the handle and it allows you to *control the direction* of the cut. The support from a convex bevel immediately follows the cutting edge. The heel of a concave bevel is normally the point rubbing the wood. When the bevel does not contact the wood, directional control is lost and it is virtually impossible to make a cut with smooth, continual flow. The tool rest provides support and stability for the tool and the bevel provides control of the direction of the cut.

7. **"Safety"** is the most important benefit of understanding "The Physics of Woodturning". More knowledge about how tools work will ultimately lead to safer turning. And it will be more efficient, easier, less stressful and more enjoyable.

If, after reading my voice, anyone is left scratching their head, please talk to me about it. I'm always happy to discuss any aspect of woodturning you like. Or we may end up scratching our heads together.

Jim Piper
jimpiper@me.com
503-730-0073
V.P. Cascade Woodturners

TREASURER'S REPORT

If you want to renew for 2017 using the old 'paper and cash-or-check' method, here are the instructions.

- 1. Get an envelope from me with the application enclosed.
- 2. Fill out the application.

If nothing has changed from last year, you can fill in your name and email address only, but please fill out those two fields so I know whose envelope it is.

- 3. Insert \$35 cash or a check for \$35 in the envelope. I don't carry a lot of \$5 bills to make change, so if I run out I'll consider your 2 \$20 bills your membership fee and a contribution to our general fund.
- 4. Tuck the flap into the envelope to keep the application and payment inside.
- 5. DO NOT write your name on the envelope or seal it.
- 6. Return the envelope to me.
- 7. Write your name on the membership card.

Enjoy the meetings in 2017

Howard howardborer@yahoo.com

AAW NEWS

Attention non-AAW woodturners -- We have a special incentive for anyone who would like to become a first-time member of AAW. Starting April 1st, you will be able to join as a full member for half price! The cost for your first year is \$30.00. This offer will run for three months and is only available to those who have never been a member of AAW. For your membership, you'll receive six printed issues of the *American Woodturner*, the electronic publication, *Woodturning FUNdamentals*, complete access to our website including access to ALL past issues of the Journal and our video library, member pricing to attend the annual symposium (it'll be in Portland in 2018), access to the AAW Forum, opportunity to apply for EOG grants, and more! For list of all that your membership offers, see http://www.woodturner.org/?page=MemberBenefits.

We're found that most woodturners join a chapter when they first learn to turn but they don't join AAW for about 2 years. AAW has a lot of on-line and electronic resources available to help those just starting to turn. If you're new to woodturning, please consider taking advantage of this offer. If you are currently a member, share this offer with those who are not members.

Video Source Library -- We continue to add videos to the video source library http://aawvideosource.org/php/video_detail_view.php?Filter_x=1, but we can use your help. If you know of a video that you think should be included in the AAW Video website, please send a copy of the link to the video to info@aawvideosource.org. It will be reviewed by volunteer committees for quality and safety, and if approved, it will be included in the video website. Your interest and participation is greatly appreciated and will help keep the site relevant and up to date.

As always – if you'd like more information or have questions about the AAW, please contact me.

Kathleen

woodspinner@gmail.com

DALE'S CORNER

Open Shop:

Open shop will be Saturday Feb 25th starting at about 9am. Bring your tools and an idea. We can help you sharpen your tools and start a project. We always have lots of experienced turners here to help figure out how to do a project.

AAW Symposium LOGO:

And looking ahead to the AAW symposium in Portland June13-17, **2018**, we need some ideas for the logo for the symposium. We have one very nice submission. The office has agreed that this March is the right time to submit them. The office will take all the suggestions and have a professional put together the final design. The design for the Portland symposium will appear in

the handbook at this year's Kansas City symposium, June 21-26 to help promote the Portland symposium. Ten years ago Kathleen's idea was adopted by AAW. Maybe this time it is your idea.

Dale

SAFETY FIRST

Hidden Treasures

Turners get to work with all kinds of wood. Flat woodworkers like their wood to be, well, flat, and usually dry and straight. But we turners enjoy turning stumps, branches, crotches, and other lumps, and we often want our wood wet and wavy.

One of the many delights of turning a lump is discovering what's inside it. When the gouge slices away the bark and bumps, sometimes glorious colors and swirls emerge. Sometimes the wood almost shows you how it wants to be turned.

And then there are other times.



Here's a perfectly fine alder blank. At least it looks perfectly fine from this distance.

But if you peer at it a bit closer you see this:



And it goes all the way through the blank.



Trees grow, and they often grow around things that are in their way. These pictures, courtesy of Cascade member Len Otto, show what happened when a wire got in the way of a tree, and the tree grew around it. This wire nicked Len's turning tool, but he wasn't hurt. That is likely because this particular wire is made of copper or some metal softer than Len's turning tool.

Trees grow around harder metal too, and bigger pieces than wire. When your turning tool hits one of those bigger pieces, it can rip the tool out of your hand or the blank off the lathe. And both of those can hurt you.

To reduce the risk of being hurt by metal hidden in your turning lumps:

- Inspect the wood carefully before you start to turn (but remember, you may not be able to see big, hard hunks of metal hidden on the inside may not show on the outside). If you are going to turn lots of mysterious lumps, consider getting a metal detector.
- 2 Keep the speed of the lathe appropriate for the size of the blank; if you aren't sure whether you are turning too fast, turn slower.

Listen carefully to the sound of the tool touching the spinning blank. A harder object in the wood will make a "tick" sound when it contacts the gouge. Really hard knots do this, and so do pieces of metal. If you hear a "tick, tick, tick," shut the lathe off immediately and find the cause. Don't start turning again until you know it is safe.

If you have questions about turning safety or comments on this article please send them to me at HarveyRogers@gmail.com. I will research questions and let you know what I find out.

Harvey Rogers

MEETING SCHEDULE 2017

DATE	DEMONSTRATOR	CHALLENGE
FEB 16	Kathleen Duncan	TOPS (lots of them)
MAR 23	Carl Jacobson	Pierced Turnings
APR 20	Lane Phillips	Burned Turnings*
MAY 18	TBAL	
JUN 15	TBAL	
JUL 20	Michael Mocho	
AUG 17	TBAL	
SEPT 21	Sally Ault	
OCT 19	Auction	
NOV 16	TBAL	
DEC	No Meeting	Merry Christmas

^{*}Burned turnings include pyrographed, lichtenberg, torched, or rescued from the burn pile

^{**} Plan on an all day demo and an all day hands on class following the meeting date

SYMPOSIUM SCHEDULE

There is something planned for every month that may match your travel plans:

- Southern States Woodturning Symposium, Cartersville, GA March 10-12, 2017
- Oregon Woodturning Symposium, Albany, Or, March 17th-19th, 2017
- TurnFest Australia's 15 year http://turnfest.com.au March 24-26th, 2017
- Totally Turning 2017, Saratoga Springs, NY April 1st-2nd, 2017
- Utah Woodturning Symposium 2017, Orem UT May 11th-13th, 2017
 AAW 31st International Symposium, Kansas City, MO June 22nd-25th, 2017

If you hear of an interesting symposium, e-mail Jerry Klug to add it to the list.

COMING EVENTS

March 21st-27th World Wood Day http://worldwoodday.org/2017/



Who: Stuart Mortimer, Binh Pho, Nick Cook, Al Stirt, Stuart Batty, Christian Burchard, Dixie Biggs, Don Ward, Jon Magill and Michael Blankenship.

What: 50+ Live demonstrations, Pen Turners Gathering, Vendor showcase, Instant Gallery, Banquet, Live Auction

Where: Linn County Expo Center, Albany, Oregon

When: March 17-19, 2017

Contact: Terry C. Gerros, gerrost@yahoo.com

COMPANY STORE

If a number of members want a certain item, we could be low on it. Please contact Bill Karow, (503) 490-0325 bill.karow@mac.com a week ahead of the meeting so he could verify it is not out of stock and set it aside for you.

Company Store Item	Price
Accelerator (for Cyanoacrylate adhesives/CA), sprayer, 8 oz	\$7.00 each
Anchor Seal, one gallon	\$14.00 each
Cyanoacrylate adhesives/CA Thin, Medium & Thick, 2oz bottles	\$5.75 each bottle
Sandpaper – Finkat (for dry sanding)	\$0.75 each sheet
Sandpaper, Klingspoor alum/oxide w/heavy cotton cloth	\$1.25 each sheet
backing suitable for wet sanding (80, 100, 120, 180, 220, 320 & 400 grits)	
Walnut Oil - filtered, 16 oz	\$4.00 each

There are still a few chem-proof spray bottles available

DEMOS - CLASSES - SEMINARS

Multnomah Arts Center: Multnomah Arts Center in SW Portland continues to have woodturning classes. Check their catalog or phone 503 823 2787. You can google their website for the catalog. Jerry Harris and Russ Coker are again teaching woodturning at "Multnomah Arts Center". If you are interested, please contact Multnomah Arts Center at 503 823 2787. The cost is very reasonable and all tools, wood and equipment is provided.

Private Turning Classes: Anyone interested in 1-on-1 lessons in my shop in eastern Damascus should feel free to contact me: My cell-phone number is 503 901 3401 and email is "howardborer@yahoo.com".

Rockler Woodworking 503-672-7266, www.rockler.com

- Sorby & Rockler Tool Turning Demo Mar 25th 11:00
- Lathe Finishing Using C.A. Glue by Jim Green, \$45, Feb 19th 8:00-11:00
- Beginning Bowl Turning by Dave Gray, \$45, Sun, Feb 26th 8:00-11:00

Woodcraft 503-684-1428, www.woodcraft.com

- Beginning Lathe Fundamentals by Tim Kluge, \$125, Sat, Mar 4th 10:00-4:00
- Basic Bowl Turning by Tim Kluge, \$125, Sun Mar 5th 10:00-4:00
- Beginning Lathe Fundamentals by Tim Kluge, \$125, Sat, Apr 15th 10:00-4:00
- Basic Bowl Turning by Tim Kluge, \$125, Sun Apr 16th 10:00-4:00
- Beginning Lathe Fundamentals by Tim Kluge, \$125, Sat, May 13th 10:00-4:00
- Basic Bowl Turning by Tim Kluge, \$125, Sun May 14th 10:00-4:00
- Winged Bowl by Tim Kluge, \$150, Sat, May 27th 10:00-4:00

Woodcrafters 503-231-0226, 212 NE 6th Ave, Portland, www.woodcrafters.us

• Woodturning Demo by Fred Kline, Sat Mar 25th

CWT MENTORS

Cascade Wood Turners has a mentoring program and the member turners providing assistance are listed in the "Resources" section of the club's web page http://www.cascadewoodturners.com/resources.htm. These members are available for you to contact if you need help in different areas of woodturning. If you would like to be a mentor yourself and be

contacted with woodturning related questions e-mail me at turningwood@bendbroadband.com and I will add you to the list!

QUICK LINKS:

There is a listing of web links used by club members in the "Resources" section of the web site http://www.cascadewoodturners.com/resources.htm . If you have a favorite or new site that would be useful to club members, e-mail it to me to include it with the list. turningwood@bendbroadband.com

CLASSIFIEDS

To place or continue an ad, contact Jerry Klug at turningwood@bendbroadband.com. We will run ads in the next newsletter after receiving your ad. Let us know if you want your ad continued more than one month.

WANTED: Filters for Triton powered face shield (no longer available from USA suppliers).

Help in determining useable filter material from another source would be a great help. Ken Kirkman kenpegkirkman@gmail.com 360-687-9866

FOR SALE: New 5 piece Crown Sheffield HSS turning tool set, Wolverine sharpening jig and an 8" slow speed grinder still in the box. Just what you need for clean cuts. Call Jerry (541) 550-6299

FOR SALE: Powermatic 4224, \$3000 for the package, includes a dust collector and many accessories. If you're interested, call Will Jespersen (360) 455-3252 (Will is located in Olympia)













FOR SALE: Quality Lathe \$7500

One of the Woodturners of Olympia members, Larry Hauch, recently passed away and willed his high end lathe to the club. It's too large for club purposes so the board has decided to sell it with the profits benefiting the club. The lathe is a Titan 400 Magma Black line with a swing over the bed of 15 ¾" (31 ½" diameter turning capacity) and between centers of about 51". Note the lathe was built and shipped from Austria so the components are metric. For more information on this line of lathes you can go to http://www.magma-titan.com/woodturning-lathes-magma-black-line-titan.html

This is very high end performance quality lathe for the discriminating woodturner and is being offered at a significant price reduction from what it would cost to purchase new and ship. It has very few hours on it and is practically brand new. It and the accessories were purchased in 2013 for about \$13,000 including shipping of about \$2,000.

Features of the lathe include:
☐ Sliding and swiveling headstock
☐ #2 morse taper in headstock; #3 morse taper in tailstock
☐ 48 position indexing
☐ Forward and reverse
□ Variable speed up to 3000 rpm
□ 220v 3 horse motor
☐ Remote safety switch
☐ A-frame adjustable height sturdy legs
☐ Weight approximately 840 pounds, not including bed extension
There are several accessories included with the lathe:
☐ Large steady rest (value over \$500)
☐ Bed extension
□ Several tool rests in lengths of: 150mm (6"), 200mm (8"), 300mm (12"), and 500mm (20")
☐ Large screw chuck
☐ Large Jacob's chuck with #3MT
☐ #2 MT Spur drive and 3#MT live center
□ 2 small face plates
☐ 33mm to 1" X 8tni chuck adaptor

□ 33mm to 1¹/₄" X 8tpi chuck adaptor

☐ Several 33 mm inserts for Vicmarc 120 chucks

☐ Tool rest adaptor to take 1" post

Lathe shown by appointment only. contact: Larry Miller – phone: 360-412-1583 or e-mail:

sawdusterlarry@hotmail.com





FOR SALE: Oregon Burl and Blank

-Hardwood and softwood burls -Hollow form turning wood -Pen blanks

-Bowl blanks -Cut to order

Recently sold and/or current material - Douglas Fir root burl, Maple burl slabs, Cherry burl bowl blank, Madrone pen blanks, dimensional rough sawn Cherry boards, Madrone, Pacific Yew , Oregon White Oak, Black Walnut , Oregon Ash

For pricing and pictures call Brandon Stadeli 503-409-5677 brandonstadeli@yahoo.com

FOR SALE: Over 18 tons of interesting turning wood logs and chunks in Vancouver; Apricot Avocado Black locust Black walnut Blue spruce Bottle brush Camphor (Calif. Bay Laurel?) Carob Cherry Elm English laurel English walnut Juniper Liquid amber Magnolia Maple (big leaf) Maple (hard) Norway maple Ornamental mulberry Pacific dogwood Pepper tree Plum Silver maple White oak Yellow popular Tim also has dried boards and blanks for turning of; Mahogany, Olive, Chestnut, Redwood, Walnut, Maple, Oak, Purple heart and more. Tim also has some rocks and fossils for accents. View an interview of Tim at http://youtu.be/d51wpml80f4 Prices are about half of retail (i.e. Cook Woods or Craft Supply). Contact Tim at wtsmall@comcast.net 360-989-7721.

CASCADE WOODTURNERS OFFICERS AND CONTACTS

President Vice President Treasurer	Harvey Rogers Jim Piper Howard Borer	(646) 660 3669 (503) 730-0073 (503) 658-3409	harveyrogers@gmail.com jimpiper@me.com howardborer@yahoo.com
Secretary	Bill Herrold	X	billtrade@me.com
Safety Officer	Harvey Rogers	(646) 660 3669	harveyrogers@gmail.com
Member at large	David Williams	(503) 997-2541	dwilliams97007@yahoo.com
Member at large	Marc Vickery	(503)-275-5207	halepaumarc@gmail.com
Video Librarian	Geraldine Clark	(503) 978-1973	clark7291@comcast.net
Book Librarian	Mike Worthington	(503) 640-0373	mikedw47@comcast.net
Company Storekeeper	Bill Karow	(503) 490-0325	bill.karow@mac.com
Web Mistress	Kathleen Duncan	(360) 574-0955	woodspinner@gmail.com
Newsletter Editor	Jerry Klug	(541)550-6299	turningwood@bendbroadband.com
Tops Czar	Skip Burke	(503) 233-4263	drgramp@comcast.net

CASCADE WOODTURNERS SPONSORS

Support of the sponsors listed helps maintain our hobby supplies. Remember that your current membership card is good for discounts at these firms. For additional information see the website http://www.cascadewoodturners.com/sponsors.htm.

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service@nwfiguredwoods.com
http://www.nwfiguredwoods.com/
56752 SW Sain Creek Rd
Gaston Or 97119
PO Box 808
Forest Grove OR 97116
503-357-9953
800-556-3106



Happy Woodworking to you! Les and Susan!

