

Turning Times

THE OFFICIAL NEWSLETTER OF THE CASCADE WOODTURNERS

FEBRUARY 2016

Please make sure that all content for the next newsletter reaches me by the 29th of February! turningwood@bendbroadband.com Thanks!

NEXT MEETING: 6:45PM, THURSDAY, FEBRUARY 18th 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/1o8wBNO>)

Use the South door in the middle of the side parking lot

February Meeting Demo

Ashley Harwood will be demonstrating at the Cascade Woodturners Association meeting on February 18, 2016, will be doing a group workshop on February 19th, and a hands-on class on February 20th.



Find out more about Ashley by visiting her website: www.ashleyharwood.net

Presidents Message

It's hard to believe that another month has sped by so quickly. Harvey Rogers and I recently attended a conference near Seattle of regional Northwest woodturning clubs representatives. Ideas were discussed about how we could all work together to share resources as well as ways to more widely promote woodturning (especially focused towards the "younger" crowd). Everyone agreed we should get together at least once or twice a year and to continue discussions and evaluate how our ideas are working.

Ashley Harwood will be demonstrating as well as teaching here this month. Her reputation as an internationally known and respected woodturner is well established. She is extremely versatile in her abilities including but not limited to bowls, spindle turning as well as jewelry. I believe at this point there are still one or two openings for her hands on class. I have attended two of her hands on sessions and I have found her to be an extremely knowledgeable as well as helpful instructor.

I'm looking forward to Liam O'Neill visit (coming in May). We're really lucky to be getting him in our area since he will be in Seattle both before and after his visit with us here in Portland. As some of you may know, he is the originator of the Irish Grind on bowl gouges. I have been told that this may well be his last visit to the U.S. and I feel we are indeed lucky that he has agreed to teach at our club. Please keep in mind that there will only be eight slots for his hands on class....so signup early or lose out. I am sure these spots will go quickly.

I need to let everyone know about changes on the dates of two future demos. These are the corrected dates:

June 23, 2016 will feature Steve Newberry

September 22, 23 & 24, 2016 will feature Tom Wirsing

Both will be on the fourth Thursday rather than the usual third Thursday.

Until our next meeting.....keep on turning!

Skip Burke

drgramp@comcast.net

(503) 233-4263

SKIP'S WAY TO KEEP OFF I-84

Traffic avoidance route from the Westside...Take the Water Ave exit from the Markham Bridge, Turn right onto Belmont then left on 60th. From 60th, turn left onto Stark then right onto 82nd Ave. Follow 82nd to Airport and turn right and then follow Airport to 158th Turn right onto 158th to the Carpenters Training Center.

VICE PRESIDENT'S SOAPBOX

Southwest Washington Woodturners Club is hosting another *Basic Spindle Turning Course*. Due to space and lathe limitations, the course is limited to only five participants. This course is for the skew-phobic. It is a major player and by the end of the course, a beloved friend. There are eight classes over the course of 2016. Class materials are provided and proceeds go towards the club purchasing a Powermatic lathe for the club. www.southwestwashingtonwoodturners.com

If you are interested in some newly cut birch, contact Jerry Harris for details(503 244 6921).



HarveyRogers@gmail.com.

TREASURER'S REPORT

The next meeting is February, 18th. It is time for membership renewal. Here, once again, is the procedure.

1. Get an envelope from me with the application and membership card 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 and fill in the '16' in the year field on the membership card

Enjoy the meetings in 2016.

That should cover it.

Howard

howardborer@yahoo.com

DALE'S CORNER

Open shop Saturday Feb 27th, starting about 9am. Bring your tools and an idea. We had a good January open shop. At least 10 members came. One new member turned his first bowl. We did some chainsawing. Dr. Eric worked on a large hollow form. We used the McNaughten's coring system. We always have experienced turners who can help with your project.

Dale

SAFETY FIRST

LEVERAGE

Everybody likes to have leverage – even woodturners

It can be really frustrating for parents when their kids won't do what the parents ask.

One of my friends had a teenage daughter who rode horses in contests. It took a lot of my friend's time, effort and money, but my friend said she really liked it. I asked her if she liked it because she liked horses, but she said no, she liked it because of the leverage it gave her over her daughter. If the daughter wouldn't do what her mom asked, the mom simply wouldn't take the girl to her horsey events. The mom had leverage. She just had to apply a little bit of force to get her daughter to do what the mom wanted.

Investors like to use leverage. Negotiators like to have leverage. Pretty much everybody likes to be able to exert a small force to get a big result, even woodturners.

In fact, woodturners rely on leverage all the time. When you extend a gouge or a scraper over the toolrest and into the spinning wood blank, you depend on leverage to keep the spinning blank from wrenching the tool out of your hand and smiting you with it. Use leverage properly and a bad catch likely will only make a loud noise and scar your blank. Lose leverage and you can destroy your blank and one or more precious bodily parts.

The basic math for leverage has been understood at least since Archimedes wrote about it in the third century B.C. Archimedes is the guy who claimed he could move the earth if someone would just give him a long enough lever and a place to stand.

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A lever consists of a rigid bar and something the bar can pivot on (the pivot is called a “fulcrum”). If you put the fulcrum under the middle of the bar, the bar will balance on the fulcrum. Push down on one end and the other end will go up like a teeter-totter with just one person sitting on it. If the fulcrum is in the middle of the bar and you push down on both ends with the same amount of force, the bar will stay level.

But if you move the fulcrum closer to one end of the bar, then things change. If you push down on the long end of the bar, you will have to push harder on the short end of the bar to keep the bar level.

The math is pretty simple: the increase in force you get by changing the pivot point depends on the how much farther one side of the bar hangs over that pivot point. If the distance from the pivot point to one end of the bar is ten times longer than the distance from the pivot point to the other end of the bar, pushing on the long end will magnify the force on the other end by ten times.

When we turn, the fulcrum is the tool rest, and the gouge or scraper is the bar. We have all read that we should keep our tool rests as close as possible to our spinning blanks. The reason is leverage.

If we use a gouge or scraper that is about 20 inches long, and we let it stick out over the edge of the tool rest only about a quarter of an inch, then the force we push down on the handle of the tool is magnified *eighty* times at the cutting edge of the tool!

But suppose we turn the wood a bit and don’t bother to adjust the tool rest, so the tool sticks out over the rest by half an inch. The force we can exert on the tip of the tool has been cut in half, by just a quarter inch change in overhang.

A piece of wood spinning on a lathe exerts a lot of force, and the bigger the diameter of the blank, the bigger the force. So keeping the tool rest close to the blank is more important the bigger the blank you turn.

The length of your tool handle also directly affects the amount of leverage you get: the longer the handle, the greater the leverage you will have. So if you are turning big diameter blanks, you should prefer tools with long handles.

Leverage explains why turners often like to have curved tool rests when they turn bowls. Curved tool rests allow turners to easily keep the tool rest as close as possible to the blank, and that maximizes leverage.

Leverage also explains why some turners use really elaborate rigs to turn hollowforms. Since there is no easy way to stick a toolrest down inside a hollowform, the tool needs to hang a long way off the toolrest. That means the turner has a lot less leverage than usual, so many people turn hollowforms using rigs that hold their tools rigidly so the blank won’t take advantage of its leverage and snatch their tools out of their hands.

When you turn keep leverage in mind. Woodturning, like parenting, investing and negotiating, will be much easier if you make leverage work for you. You won't have to exert as much force, and you are less likely to ruin a blank or get hurt.

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

AAW NEWS

If you are a member of AAW, you should have received your copy of the *Journal of the American Woodturner*. As usual, it is packed full of good information, news and great articles. Two articles in particular caught my attention. One is by Kip Christensen (Utah) with tips on "clean cutting". The other article is by Betty Scarpino (Indiana) on "jigs for bandsawing round objects". I was at a recent Women in Turning event in Berkeley. One of the other women had a band aid on a finger. She sheepishly said it was a bandsaw accident. I told her about the article in the now released *Journal*. She even more sheepishly told me that Betty had sent her an early copy of the article. Oops! There is excellent information there – for all of us! If you're not a member of AAW, the *Journal* is just one of the perks of membership.

Before I went to Berkeley, I was in Atlanta for the pre-symposium walk-through and board meetings. The Convention Center at AmericasMart is a much different venue than any we've had before, but I think it will be a great place for the Symposium. If you went to Pittsburgh, Atlanta is not going to have nearly as much walking between rotations. There is lots of information online <http://www.woodturner.org/default.asp?page=2016Atlanta> about the symposium or you can talk to me if you have questions.

Kathleen
woodspinner@gmail.com

WARPING WOOD

This video compresses the drying of a wood bowl into a 40 second Youtube video. Really worth watching. <https://i.ytimg.com/vi/9Lp6HOxVAxM/mqdefault.jpg>

MEETING SCHEDULE 2016

DATE	DEMONSTRATOR	CHALLENGE
FEB 18	Ashley Harwood - **	
MAR 17	Dale Larson & Mike Meredith (spheres & threading)	Beaded Bowl
APR 21	Jim Piper	Spheres
MAY 19	Liam O'Neil - **	Finishes
JUN 30	Steve Newberry – (Note date change)	Calabash Bowl
JUL 21	Sarah Robinson (spalting & fungal preparation)	Spalted Wood Form
AUG 18	Picnic	
SEPT 22	Tom Wirsing - ** (Platters / different tool steels / sharpening)	Tool Handle (Note date change)
OCT 20	Auction	
NOV 17	TBAL	Platter
DEC	No Meeting	<i>Merry Christmas</i>

** 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:

- 2016 Florida Woodturning Symposium, February 5th – 7th, 2016
- 2016 TAW Symposium, Franklin, TN, January 29th–30th, 2016
- Alaska Woodturners Assn Woodturning Symposium, Anchorage, AK January 30-31, 2016
- Desert Woodturning Roundup, Arizona Woodturners Assn, Mesa, AZ Feb 26th-28th 2016
- Honolulu Woodturners 7th Annual Symposium - Honolulu, HI, March 12th-13th 2016
- Totally Turning 2016, Saratoga Springs, NY April 2nd-3rd, 2016
- Dakota Woodturners Spring Symposium, - Bismarck, ND, April 22nd-24th 2016
- Utah Woodturning Symposium 2016, Orem UT May 12th-14th, 2016
- AAW 30th International Symposium, Atlanta, GA June 9th-12th, 2016
- Turn-On! Chicago 2016 - Mundelein, IL, July 22nd-24th 2016
- Saskatchewan Woodturning Symposium 2016 - Regina, SK, July 22nd-24th 2016
- SWATurners Symposium, Waco, TX August 26th-28th, 2016
- 17th Rocky Mountain Woodturning Symposium, Loveland, CO September 16th-18th 2016
- 5th Segmenting Symposium - Quincy, MA, October 27th-30th 2016
- Virginia Woodturners (10 clubs) - Fishersville, VA, November 5th-6th 2016
- Oregon Woodturning Symposium, Albany, Or, March 17th-19th, 2017

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

STABILIZING WOOD

Watching Dave Williams demo turning stabilized wood that had been processed with acrylic made me think about what I had used on less than sound wood to achieve a good cut. Either punky wood or stringy grained woods can be a challenge to obtain a smooth finish. It is always important to use very sharp tools and a light touch on the bevel but still a smooth surface may allude you. I have thinned PVA (Titebond) to soak the end grain with rather limited success. I have drowned the punky areas with thin CA and endured the fumes and absorbed the cost. I have used wax to stiffen the fuzzy bottom of a box. All of which worked a bit, sometimes, with frustration... The most reliable and easy turning of soft or spongy wood seems to be vacuum applied resins. There is a lot of use of "Cactus Juice" that does a good job of stabilizing wood in your own shop' It does require a vacuum chamber large enough to immerse the turning blank in the juice while sucking out all the air from the wood. Cost of Juice, vacuum chamber and vacuum pump tend to require quite a commitment to turning a quantity of punky wood. The "Alumalite" system utilizes a poly resin and pressure to displace the air and liquid in the voids of the wood. The wood is stiffened but the resin must be contained in a mold so your turning may require a change of shape. The process requires a compressor and pressure vessel to drive the resin into the wood. There is a bit of a learning curve as the mixed resin has a pot life of seven minutes and again the cost is considerable to set up the equipment and materials for a small usage. The Torzo system Dave demo'd uses both vacuum and pressure so you don't require a mold and you only pay for the process as you need. By providing a roughed out blank, extra material is not needed nor wasted and keeps the cost down. The color choices, if wanted, are limited compared to the home applied materials but the process is a great opportunity to salvage some soft wood at a modest cost. Torzo contact is Jeff Southwell (jsouthwell@torzosurfaces.com) 503 347-1797. The office is at 2765 National Way, Woodburn, OR 97071, but the plant is a couple of blocks over at 2475 Progress Way and that is where you take the wood. The process costs \$10/lb, not \$30 as Dave was told inadvertently.

Jerry Klug

FROM THE ROOTS UP

Lake Area Artists, celebrating their 50th year as an arts organization in Northwestern Oregon, and the Pacific Northwest Woodturning Guild, with the generous support of the Arts Council of Lake Oswego, are pleased to present a gallery experience titled "From the Roots Up".

Using the primary source of our wood and fiber materials as its central theme, the show is a thoughtful reflection on the role of art and artists in the Pacific Northwest community. The show will feature 16 members of Lake Area Artists working in oils, watercolor, encaustic, pastels, and acrylics. Eight members of Pacific Northwest Woodturning Guild will show fine woodturnings.

We cordially invite you to attend the show.

Tom Willing
President, Pacific Northwest Woodturning Guild



Pierced dish by Kathleen Duncan

Turning Times
Opening Reception: Friday,
March 4, 5—7 PM
Gallery Hours: Tues-Fri, 11
AM—4 PM
510 Museum & ARTspace
510 1st Street
Lake Oswego, OR 97034
Organized and curated by the
Arts Council of Lake Oswego
www.artscouncillo.org

COMING EVENTS

May 29th 2016 – 9 Day woodturning cruise leaving Southampton, England for Norway and return.
 Contact <http://craftours.com>

COMPANY STORE

Jim is in need of plastic gallon jugs for Anchor Seal. The bottles that are thicker than water bottles are preferred (bleach bottles are great). If a number of members want a certain item, we could be low on it. Please contact Jim Piper, (503) 730-0073 jimpiper@me.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, Klingspor alum/oxide w/heavy cotton cloth backing suitable for wet sanding (80, 100, 120, 180, 220, 320 & 400 grits)	\$1.25 each sheet
Walnut Oil - filtered, 16 oz	\$4.00 each

There are still a few chem-proof spray bottles available

DEMOS - CLASSES – SEMINARS

Multnomah Arts Center: Jerry Harris and Russ Coker teach at Multnomah Arts Center in SW Portland. They continue to have woodturning classes and we have added an embellishment class. Check the Multnomah Arts Center catalog or phone 503 823 2787. The cost is very reasonable and all tools, wood and equipment is provided. You can contact Jerry at 503 577 6909 for questions.

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Franklin High School Classes: There will not be turning classes at Franklin High for at least two years. 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

- Robert Sorby demo, Sat. Feb 13th 10:00
- Creative Woodturning demo, Sat. Feb 13th 11:00

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

- Beginning Lathe Fundamentals by Tim Kluge, \$125, Sat, Mar 19th 10:00-4:00
- Basic Bowl Turning by Tim Kluge, \$125, Sun Mar 20th 10:00-4:00

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

- Fred Kline turning demo, Sat Feb 27th 10:00

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.

FOR SALE: JET 1220 — 6SPD Midi Lathe never been used, new 5 piece Crown Sheffield HSS turning tool set, Wolverine sharpening jig and an 8" slow speed grinder still in the box. Everything you need to begin turning. Call Jerry (541) 550-6299

FOR SALE: Ridgid 14" band saw, great condition with extra graphite guide blocks and 6 extra guide bearings. \$200. Call or text Eric von Beck at 503-320_5397 or email evonbeck@gmail.com

Turning Times

FOR SALE: Lightly used 14-inch Delta 46-715 Lathe, complete. I probably have less than 100 hours on it. Includes Face Shield for safety; Oneway Talon Chuck , retail \$230; Wolverine Grinding Jig, retail \$100; Live centers; Mobile base, retail \$180; many gouges & chisels; 2 new extra Treadlock handles; includes face-plates; disc sander w/table. All in excellent & clean condition. Accessories plus Lathe equals almost \$2000 retail, will sell for \$1150.

Gig Lewis - giglewis42@gmail.com – 503-969-2548



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 Stadel 503-409-5677 brandonstadel@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

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(hard) Norway maple Ornamental mulberry Pacific dogwood Pepper tree Plum Silver maple White oak Yellow poplar 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/d51wpm180f4> Prices are about half of retail (i.e. Cook Woods or Craft Supply). Contact Tim at wtsmall@comcast.net 360-989-7721.

FOR SALE: 14" Bandsaw, Made in Tiwan in 1986. \$100.
Contact Skip Burke (Skip is the contact for his neighbor who is selling the saw) (503) 233-4263 drgramp@comcast.net



FOR SALE: Unused 14-inch Delta 46-715 Lathe, manual and a new lathe tools are included. Please email and include your mobile phone number and an indication of when you could pick this up. \$700 Pick up is in Banks area. Ellen at windfalldesigns@comcast.net or 503-704-6976.

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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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Happy Woodworking to you! Les and Susan!

North Woods Warehouse Sale & Open House on Saturday, March 12th, 9-5

We'd love to have you come visit our small family farm where we've created an alternative to the usual uses for wood. We reclaim/upcycle figured hardwoods (saved from the chipper!) and create wood blocks for turners and other crafts people. <http://www.nwfiguredwoods.com> You will find deals, new unadvertised stock and even a clearance table! We'll have Madrone burl, Quilted Maple, Extreme Spalt Maple and some new stabilized items.



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