

# Turning Times

THE OFFICIAL NEWSLETTER OF THE CASCADE WOODTURNERS

**September 2009**

Please make sure that all content for next months newsletter reaches me by the 8th of October! [rgklug@crestviewcable.com](mailto:rgklug@crestviewcable.com) Thanks!

**NEXT MEETING: 6:30PM, THURSDAY, SEPT 17<sup>th</sup> AT FRANKLIN HIGH SCHOOL  
5405 SE Woodward St, Portland, OR**

## **PRESIDENTS MESSAGE**

Wow is it September already? It must be time for another wood auction, good thing too because I think I have too much wood (if that's possible) and some very thoughtful people just donated a bunch of wood to the club. I just got done waxing up a load of white oak from a 200 year old heritage tree and I've got a line on some black walnut. So it should be a pretty good auction so bring in your donations of good wood, tools, what have you to add to the pile and don't forget to bring your checkbook to support the club for all the wonderful things and demonstrators you'll learn about next year. See you at the auction.

Thanks,

Doug Brown - President,  
[Cascade Woodturners Association](#)

## **VICE PRESIDENTS MESSAGE**

Cascade Picnic Follow-up

We had a nice turnout for the picnic this year including several spouses, new members, and members who haven't been to recent picnics. The weather was absolutely perfect. Doug did a great job cooking burgers, Howard showed how he turns baby rattles and I showed how Eli Avisera cuts the decorative crescent shapes in some of his work. Tim, our host at the Forest, told us that the 2<sup>nd</sup> Saturday of every month they have Community Forest Days where anyone can help in maintaining the forest – there might be a tree in it for you, too.

Sunday following the picnic, I ended up in the ER with what I self-diagnosed as picnic-related food poisoning or swine flue. It turned out to be appendicitis. Next year, I may just skip August altogether. Last year I crushed my finger between a bowl blank and gouge. It was months before I could turn. This year, I ate Doug's garden burgers and ended up with an appendectomy. The good news is, I can turn as long as I don't lift anything over 10 lbs. The bad news – my tailstock weighs more than 10 lbs. Anyone want to come and move my tailstock? Or carry wood from the auction?

Thanks for the cards, emails, and calls.

Kathleen Duncan  
Cascade Woodturners – VP  
[woodspinner@gmail.com](mailto:woodspinner@gmail.com)

## **DALE'S CORNER**

Bob Cole is owner of the Wood Merchant in La Conner Washington. This is a very nice wood art gallery with good sales. Bob asked me to try and find him a turner that was interested in supplying his gallery with goblets. The goblets will have free rings on the stems. They have something to do with weddings. For exactly what Bob wants you would need to talk to him. [www.woodmerchant.com](http://www.woodmerchant.com) or 360-466-4741.

We had about 10 turners here for the August Open Shop. Several bowls were turned, one platter, some spiral work was done, wood was chain sawed up and Gene roughed out a couple of wet bowls.

Open shop will be Saturday Aug 29th starting at 9:30 at Dale's shop. Bring your tools and an idea to work on. We generally have lots of experienced turners to help you with a project and sharpening tools. Any questions call Dale 503-661-7793.

## **CLUB OFFICERS**

In November, we will be electing officers for 2010. If you have never served on the board, or if it has been a while since you've served, please consider it now. Talk to, phone, or email Doug Brown or Kathleen Duncan. Also, if there is someone you'd like to have as a presenter at Cascade in 2010, please tell Kathleen.

## **MONTHLY CHALLENGE**

There will be no challenge this month to allow more time for the Annual Auction. Bring your spun metal pieces to the October meeting, next month.

## MEETING SCHEDULE '09

Demonstrator		Challenge
Sept	Auction	
Oct	Don Derry – ornaments	Metal spinning
Nov	Mike Mahoney – Bowls	Ornaments
Dec	No Meeting	

## QUESTIONS AND ANSWERS

By Howard Borer, our own "Woodturning Answer Guy"

Howard is waiting for more questions, the last days of summer must be keeping you all out of the shop. This leaves Howard to use his time by assisting new turners at the Open Shop. Call Howard with those questions so he can fulfill his idle time.

A follow up of last month's information of hollowing systems comes from Charlie Belden. Charlie is a turner from the Bay Area and an AAW member who has documented his interests in woodworking on his web page. The hyperlink is to Charlie's compendium on hollowing systems. He details the physical forces presented when hollowing and continues with a listing of most of the commercial available hollowing systems complete with pictures and commentary.

<http://web.hypersurf.com/~charlie2/Turning/HollowingSystems/Hollowing.html>

## TIP OF THE MONTH

### Retired metallurgist on wear of turning tools

By Bruce Campbell

(Reprinted with permission from the **Greater Vancouver Woodturners Guild** newsletter October 2008)

I attended the AAW National Symposium in Richmond Virginia in June, 2008. The National is always an exciting time where you get to see new products, meet new turners, renew friendships and make new ones. As usual, it was a packed schedule so several events were scheduled on Friday evening and it turned out that one of them was the most interesting and informative I attended. A metallurgist who took up woodturning when he retired gave a talk on wear in turning tools. He started by saying he was very confused by all the claims and counter-claims of tool manufacturers over tool performance. What bothered him is that he could not find any data to back up their claims. So, he recruited the Engineering faculty of The University of Virginia to perform a controlled, quantitative study using a mechanical tool called a Ring Master (see [www.shopsmith.com/ownersite/catalog/ringmaster.htm](http://www.shopsmith.com/ownersite/catalog/ringmaster.htm) if you want more information). The study was well constructed, required no turning skills from those doing the study and used two independent ways of measuring wear; the resistance of the DC motor that drove

the cutters and scanning electron microscope images that showed the degree of wear on the used cutters. Both methods gave remarkably similar results lending confidence in the findings.

Another interesting finding relates to cryogenic tempering. The “buzz” or the last few years has been that this new tempering method was going to significantly improve tool performance. The study did not support these claims. In fact, cryogenically tempered cutters performed only as well (and sometimes less well) than the same steel hot-tempered twice – and apparently the recommended tempering method calls for hot-tempering to be done twice. It was delightful to hear all the scientific and technological background in steel processing from professionals, retired steel workers and major steel executives. The whole study was supported by Crucible Steel – one of the largest steel makers in the world – and a senior executive of the company was there to help in the discussion. In fact, his interest stemmed from having recently taken up woodturning.

I now know that power metallurgy is used to make finer alloys resulting in sharper tools. And I finally got to ask “the experts” about water-cooling HSS tools when grinding. It is rumored to generate dangerous micro-cracks in the steel. Pretty much all the experts agreed that this was “urban legend”. Keep the tool cool while grinding whether by cool wheels, slow grinding, or water quenching. Blueing is OK but if you get to cherry-red even with HSS your temper could be gone. I think the results of this study go a long way in helping people make informed decisions when buying tools. It also may help us to understand why some tools carrying the HSS designation are so appallingly bad. Still, there are other factors to consider as well.

Flute design and tool flexibility are also important and neither of these was covered in the study. So, there is still work to be done but this is a great start.

**Chart shows some commonly available toolmakers and the steel they use.**

<b>Maker</b>	<b>Steel*</b>
Ashley Iles	HSS – unknown grade
Canadian Tire set	unknown
Crown (red handle)	M2
Crown (black handle)	ProPM
Forester	unknown
Hamlet (white handle)	ASP30
Hamlet (dark handle)	ASP60
Henry Taylor standard	M2
Henry Taylor Kryo	M2 cryogenically tempered
Oneway	M4 – PM
P&N	M2
Record	HSS – unknown grade
Sorby	HSS – unknown grade
Thompson	CPM 10V (a.k.a. A-11)

\*source – manufacturers web sit



**SUMMARY OF THE RESULTS** M2 is used as the reference and is given a wear resistance of 1.0. Everything else was measured relative to that. You can see that a number of common steels are listed with ASP60 (also known as 2060) being the “best” with about 2.4 times the wear resistance of M2. These results “feel” right to me. I have M2, M4, ASP30, ProPM, and ASP60 gouges and they do perform just about how this chart predicts they should.

## AUGUST’S DEMO

Kathleen Duncan and Howard Borer entertained all at the Picnic at the Hopkins Demonstration Forrest with their turning expertise.

Kathleen did her first demo showing how to decorate a curved surface with crescent shaped cuts she learned from Eli Avisera. Jerry Harris was her student and he turned out a piece with oval cuts.

Howard produced a couple baby rattles with explicit instructions. I didn’t know that a rattle used exactly seven popcorn kernels for the correct sound. Howard also turned tops and discussed marketing at the Saturday Market.

A good time was had by all.

## GOOD WOOD WEBSITES

This month I am sharing one of my favorite web sites, <http://marleyturned.com/index.asp> by Larry Marley. Larry is a member of AAW and the Orange County WoodWorkers Assn. His videos are well detailed on how he turns his projects but instead of a narrative, he has terrific music. My kind of music video. His current project is a segmented bowl but my favorite is his hollow egg.

## BARGAIN BIN

This section of your newsletter is to spotlight useful items for your turning enhancement that are not found at the typical woodworking outlets. Please feel free to send me your bargain discoveries and share them with the club.

My editor's choice for this month is the nitrile gloves at Costco. I tried Ace Hardware and Home Depot gloves for finish applications with little success. They are "one size fits all" and my hands are not that "one size". They would tear half way through a staining project and I would look like I had a rare disease until it wore off. The Costco gloves are available in three sizes and sell for \$15 for 300 gloves. That is 5 cents each and I can get up to four or five uses before they are holing through. I have learned to always use them when applying CA glue.

## DEMOS - CLASSES – SEMINARS

**Cascade Woodturners** 503-774-5701, [DOUGIVAN@aol.com](mailto:DOUGIVAN@aol.com)

- Don Derry class, Oct 17<sup>th</sup> & 18<sup>th</sup>
- Mike Mahoney class, Nov 20<sup>th</sup> – 22<sup>nd</sup>

**Rockler Woodworking** 503-672-7266, [www.rockler.com](http://www.rockler.com)

- Turning Lidded Boxes demo, Sept 19th
- Turn-A-Thon (turn your own 4in1 screwdriver, October 31st

**Woodcraft** 503-684-1428, [www.woodcraft.com](http://www.woodcraft.com)

- Beginning Turning class (\$105) by Bob Tuck, Saturday, Sept 19th, 10:00-4:00
- Basic bowl turning class (\$105) by Bob Tuck, Sunday, Sept 20th, 10:00-4:00
- Pen Turning class (\$40) by Dave Nerland, Saturday, Sept 26th, 1:00-5:00
- Beginning Turning class (\$105) by Bob Tuck, Saturday, Oct 10th, 10:00-4:00
- Ornament Turning class (\$105) by Bob Tuck, Sunday, Sept 11th, 10:00-4:00

**Woodcrafters** 503-231-0226, 212 NE 6th Ave, Portland, [www.woodcrafters.us](http://www.woodcrafters.us)

- Vessel Turning demo by Poest, Saturday, Oct 17<sup>th</sup>, 10:00-3:00
- Natural Edge Bowl Turning demo by Russ Coker, Saturday, Oct 24<sup>th</sup>, 10:00-3:00

## SYMPOSIUM SCHEDULE

- SWAT Wichita Falls, TX Oct 16-18, 2009 (\$125 – [www.swaturners.org](http://www.swaturners.org) )
- Utah Woodturners Symposium Provo, UT May 6-8, 2010
- AAW Symposium Hartford, Conn. June 18-20, 2010
- Greater Vancouver Wood Turners Guild – West Coast Round-Up Sept 9-12, 2010
- Desert Woodturning Roundup, Mesa AZ Feb 18-20, 2011

## CWT MENTORS

These members are available for you to contact if you need help in different areas of woodturning (inside the parentheses it tells each of the areas in which each mentor specializes). If you need help, contact one of the following mentors. If you would like to be a mentor yourself and be contacted with woodturning related questions e-mail me at [rgklug@crestviewcable.com](mailto:rgklug@crestviewcable.com) and I will add you to the list!

<b>Randy Rhine:</b> <a href="mailto:rrrhine@comcast.net">rrrhine@comcast.net</a>	(Ornamental and Segmented turning)
<b>Phil Lapp:</b> 503-925-0152	(Handled Vessels)
<b>Glenn Burki:</b> <a href="mailto:gburki@comcast.net">gburki@comcast.net</a>	
<b>Doug Brown:</b> <a href="mailto:dougivan@aol.com">dougivan@aol.com</a>	(Bowls, Boxes, Hollow forms, Texture)
<b>Andy Johnson-Laird:</b> <a href="mailto:andy@jli.com">andy@jli.com</a>	(Help for new turners with tools, Finishes and other choices)
<b>Kathleen Duncan:</b> <a href="mailto:woodspinner@gmail.com">woodspinner@gmail.com</a>	(Christmas Ornaments)
<b>Howard Borer:</b> <a href="mailto:howbor@yahoo.com">howbor@yahoo.com</a>	(Beginning bowl, Spindle, Hollow turning and Lathe accessory fabrication and consultation)
<b>Jonathon Spafford:</b> <a href="mailto:jonathon.c@comcast.net">jonathon.c@comcast.net</a>	(Pens)
<b>Dale Larson:</b> <a href="mailto:woodbowl@verizon.net">woodbowl@verizon.net</a>	(Bowl turning, Greenwood turning, and Reading the log)
<b>John Wirth:</b> <a href="mailto:chet@spiritone.com">chet@spiritone.com</a>	(Hollow forms, Carving, and Embellishment)

## QUICK LINKS:

**The Burl House:** [www.theburlhouse.com](http://www.theburlhouse.com)  
**AAW (Main page):** [www.woodturner.org](http://www.woodturner.org)  
**AAW Forum:** [www.woodturner.org/vbforum/index.php?](http://www.woodturner.org/vbforum/index.php?)  
**Saw Mill Creek Forum:** [www.sawmillcreek.org](http://www.sawmillcreek.org)  
**Woodturning Online:** [www.woodturningonline.com/](http://www.woodturningonline.com/)  
**Turning Projects/Tips:** [www.newwoodworker.com/turning/](http://www.newwoodworker.com/turning/)  
**Pacific NW Woodturning Guild:** [www.woodturningguild.com](http://www.woodturningguild.com)  
**The Turner's Shop:** [www.theturnersshop.com/](http://www.theturnersshop.com/)  
**Wood Net Forums:** [www.woodnet.net/forums/](http://www.woodnet.net/forums/) \

**QUICK LIKKS Cont:**

**Flying Curls:** [www.flyingcurls.com](http://www.flyingcurls.com)  
**Arizona Silhouette:** [www.arizonasilhouette.com](http://www.arizonasilhouette.com)  
**Hut Products:** [www.hutproducts.com](http://www.hutproducts.com)  
**Berea Hardwoods:** [www.bereahardwoods.com](http://www.bereahardwoods.com)  
**Pen Making Supplies:** [www.penmakingsupplies.com](http://www.penmakingsupplies.com)  
**The Pen Shop:** [www.thepenshop.net](http://www.thepenshop.net)  
**Pen Turner's Forum:** [www.penturners.org](http://www.penturners.org)  
**Pen Maker's Guild:** [www.penmakersguild.com](http://www.penmakersguild.com)  
**Russ Fairfield:** [www.woodturnerruss.com](http://www.woodturnerruss.com)  
**Freedom Pens:** [www.freedompens.org](http://www.freedompens.org)  
**Penn's Woods:** [www.stores.pennswoodsstock.net](http://www.stores.pennswoodsstock.net)  
**Lloyd Johnson:** [WoodturnerPro](http://WoodturnerPro).

**COMPANY STORE**

Prices can sometimes change if the supply house takes an increase in price on a new order. Also, if a number of members wanted a certain item, and we are low on it please email Joe Escriva at [jescriva1@msn.com](mailto:jescriva1@msn.com) a week ahead, he could have it with no out of stock.

<b>Company Store Item</b>	<b>Price</b>
Accelerator (for Cyanoacrylate adhesives/CA), sprayer, 8 oz	\$6.75 each
Anchor Seal, one gallon	\$12.50 each
Cyanoacrylate adhesives (CA) - Thin, Medium and Thick, 2oz bottles	\$5.75 each bottle
Sandpaper, Aluminum oxide with heavy cotton cloth backing in 80, 100, 120, 180, 220, 320 & 400 grits	\$1.00 each sheet
Walnut Oil - filtered, 16 oz	\$3.00 each

**CLASSIFIEDS**

To place or continue an ad, contact Jerry Klug at [rgklug@crestviewcable.com](mailto:rgklug@crestviewcable.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.

**PASTE WAX – CRYSTAL CLEAR**

H.F. Staples "Crystal Clear Paste Wax". This is the wax that Dale uses on his green turnings to seal for drying. Dale says "It is the best paste wax for end grain of green bowls I've found, and the cheapest." This wax is also good for supporting end grain to minimize tear out. It is sold as bowling alley wax. Craft Supply can deliver it for \$9.99/ 16 oz can but there is a \$7 shipping charge per can.

We can get it from H.F. Staples by the case with a freight rate of \$11 per order. That puts the price at \$10/can including freight. If you wish to be included in the order let me know so I'll know how much to request. This will be a one time order and not carried in the Company Store. [rgklug@crestviewcable.com](mailto:rgklug@crestviewcable.com) or 541-550-6299.

## TOOLS & SHOP SUPPLIES

Ollie Murray is offering a large number of tools, turning rounds, sandpaper and misc shop items for sale. Examples of tools are: Band saw, Drill press, Radial saw, Belsaw molder/planer, Routers, turning tools, Vicmark chuck and many more. Lots of sandpaper. Contact Ollie at 503-253-9242

## CASCADE WOODTURNERS SPONSORS

Remember that your current membership card is good for discounts at our club sponsors listed below.

<a href="#"><u><b>Gilmer Wood Company</b></u></a>	2211 NW Saint Helens Rd Portland, OR 97210 (503) 274-1271 [ <a href="#">Map</a> ]	Discount varies depending on item, 10% + or -
<a href="#"><u><b>KLINGSPOR Abrasives, Inc.</b></u></a>	Mail Order (800) 228-0000	10% off everything in the catalog except corded tools.
<a href="#"><u><b>Rockler Woodworking &amp; Hardware</b></u></a>	Beaverton Town Square 1773 SW Beaverton Hillsdale Beaverton, OR 97005 (503) 672-7266 [ <a href="#">Map</a> ]	10% off
<a href="#"><u><b>Woodcraft Supply</b></u></a>	12020 SW Main Street Tigard, OR 97223 (503) 684-1428 [ <a href="#">Map</a> ]	10% off
<b>Woodcrafters</b>	212 NE 6th Ave Portland, OR 97232 (503) 231-0226 [ <a href="#">Map</a> ]	10% off (not on everything)