

# Turning Times

THE OFFICIAL NEWSLETTER OF THE CASCADE WOODTURNERS

**November 2013**

Please make sure that all content for the next newsletter reaches me by the 30<sup>th</sup> of December! [turningwood@bendbroadband.com](mailto:turningwood@bendbroadband.com) Thanks!

**NEXT MEETING: 6:45 PM, THURSDAY, NOVEMBER 21<sup>st</sup> AT FRANKLIN HIGH SCHOOL,  
5405 SE Woodward St, PORTLAND, OR.**

## **IMPORTANT REMINDERS**

November 9<sup>th</sup> – Cascade Woodturners Board meeting - Shilo Inn restaurant at 11707 NE Airport Way 9:00AM

November 15<sup>th</sup> – 17<sup>th</sup> – The Woodworkers Show Portland Expo - See the VP's Announcements on pg 4 for sign up to man the booth

November 21<sup>st</sup> – Cascade Woodturners meeting – Ben Carpenter demonstrating

## **PRESIDENTS MESSAGE**

It is November already. Where did the time go? It is hard to believe that my two years, serving first as VP and now as president are coming to a close. It has really been a pleasure to serve you.

My hope is that more of you will be stepping forward to serve. What an opportunity to work with a great group of people, bar none, that are amazing. Thank you for the opportunity!

My hat is off to the board members Peter Morrell, Howard Borer, Skip Burke, Harvey Rogers, Keith Strauss, Geraldine Clark, Mike Worthington, Eric G. von Beck, Russ Coker, Kathleen Duncan, Gary Sunquist, Randy Rhine, and Jerry Klug!! Please take the time to thank them for a job well done this year. My job was made much easier because of the caliber of folks serving on the board.

This month, Nov 21, Ben Carpenter will be our demonstrator. I hope you will take advantage of the opportunity to see his demonstration. (Check his article below for a description of what to expect in the demo and Ben's background.) Ben is fairly new to our club yet he is not new to the world of wood. The evening will be informative and I do not believe you will be disappointed.

A “BIG” thank you to all the folks who helped make our October auction a success, from the people who hauled in the wood, to the people who donated, to the helpers with the auction, and to the buyers. Thanks to your generosity we took in \$4,669. YES!! I have a tremendous urge to start naming the people who made a difference but I know if I do, I will leave someone out and I do not want to do that. I will give a shout-out to auctioneer extraordinaire, Howard Borer. What a hoot. I did not care if I bid or not; I just enjoyed Howard and his commentary. Thank you, Howard.

We need to be responsible. We have a fair number of books and DVDs that are overdue. Some of the materials are twelve months overdue. Please take time to check your library and bring them in if you happen to have any.

Twenty odd years ago an Army Chaplin took me under his wing and showed me a lathe. I had no idea what I was getting into, but he showed and taught me how to use a round nose scraper. That is all it took; I was hooked. Now those 20+ years later that wood passion has been reawakened with the help of some great people in the Cascade club, my mentors. When was the last time you took someone under your wing and showed them the joy of wood turning? Or if you are new to this art, have you asked to work alongside someone with multiple years of experience? Mentoring, yes mentoring..... Why not? It is amazing how alive you feel and you never know you may just find a new friend while learning or teaching wood turning. Try it.....

Well, as you know there is no December meeting so it is time to bid you a fond farewell as president. Pete Morrill will be president in 2014 and I am eagerly anticipating what he has “cooked” up. Now that I won’t have responsibilities, I look forward to spending more time with you on club night.

Safe turning,  
*be a mentor*.....

Ken 360.687.9866 [kenpegkirkman@gmail.com](mailto:kenpegkirkman@gmail.com)

## DALE’S CORNER

First, no open shop for November and December. We did have a good open shop in October with 10 turners here. One bowl was finished and several were roughed out. Skip did a natural edge bowl from a limb. See you next year for open shop.

Second item is The Woodworking Show. I'll go in on Friday and help set up. I will bring one Jet mini lathe and stand with safety shield. I'll have one Talon chuck. If you are signing up to help man the booth, I encourage you to bring some show and tell of different types of woodturning so we can put on a nice show. We will have some Cascade applications there along with AAW applications.

Thank you.

Dale [woodbowl@frontier.com](mailto:woodbowl@frontier.com)

## THE TREASURERS JOURNAL

Our annual auction was a big success: we took in a bit over \$4600. The auctioneer wants to thank those hard-working fellows who kept the wood coming as the bidders bought them. My special thanks to the top three bidders who accounted for just over 25% of the total raised. A big "thanks" to all those who brought turnable wood instead of firewood, it makes such a difference when the wood being offered is not full of checks and deep cracks.

Howard Borer

## SAFETY FIRST

Greetings from CWA's newly appointed safety officer! I'll be writing short articles on safety for issues of the Turning Times and otherwise generally annoying folks about safety issues. If you would like to annoy me back, or would like me to try to find information about turning safety, the end of this article tells you how.

Many of my views on safety were shaped in the middle of last century when I was learning to drive. Cars back then were just starting to come with seatbelts. People complained that seatbelts were uncomfortable and restricted your ability to move. They told stories about people in crashes being cut in half by their seatbelts. "Real men" suggested that only bad drivers and wimps needed seatbelts. But more and more people started using seatbelts, and traffic deaths went down. Schools taught kids to buckle up, and to make sure their parents did too. Drivers started to feel they were letting their loved ones down if they didn't buckle up. For these and other reasons, most people started using seatbelts most of the time. Many discovered it was easier to "just do it" than it was to think about it. These days when I drive I don't think about whether I should fasten my seatbelt. I just do it.

I'm trying to improve my personal turning safety by making habits of small things that are likely to protect me. I'm going to share some of those small habits with you in my first few articles. In later articles I may review products that help make turning safer. I hear one of the major manufacturers is developing a Teflon and stainless steel, whole-body turning sheath with a built in respirator, stereo, water supply, and catheter. It's supposed to allow you to turn continuously, happily and safely for eight straight hours. If I can get one to try, I'll let you know how it works. In the meantime, here's my good safety habit for November:

### **TURN IT OFF!**

When you move away from your lathe or make any significant adjustment to the tool rest or tailstock, turn your lathe off.

Most of us reach for the releases on the banjo, tool rest and tailstock without really thinking about how to grab and use them. I'm trying to teach myself to press the "off" button on my lathe whenever I start to reach for the banjo, tool rest or tailstock adjusters. If I have to think about doing that it's an annoyance. But if I can make it a habit I won't notice, and I'll be safer.

Turning the lathe off takes just a second, and can save a lot of bother and pain. You won't knock your tool rest into your work and damage it. You are less likely to get your fingers pinched between the tool rest and the project. If something starts to vibrate and come loose, you will be facing the lathe and able to act quickly. If you have other people in your shop, you will be able to keep them from sticking body parts where they don't belong. "Turn it off" just takes a second; making it a habit can help you avoid unnecessary injury.

I'm not a very experienced turner, but I love to read about turning and I like trying to figure things out. If you have questions about turning safety, please email me and I'll see what I can find. If I find something interesting, I may write about it for the Turning Times. Even if I don't, I'll email you back and let you know what I find. You can email me turning safety questions, gripes about what I have written, and anything else you like, at: [CWASafetyOfficer@gmail.com](mailto:CWASafetyOfficer@gmail.com)

Harvey Rogers

## V.P.'s ANNOUNCEMENTS

The Woodworkers Show organizers have changed things a bit this year. No tickets, just a list of club demonstrators. Dale has agreed to do set up with a lathe on Friday. I will be there on Saturday and Sunday and will take down.

The Portland Wood show is Nov 15, 16 & 17 at the Expo Center. Cascade will have a booth to turn projects and meet show attendees. The show organizers are asking us for a written list of demonstrators instead of giving out tickets. If you would like to greet the public to explain what Cascade is about or turn some items, please let me know ([morrell.pete@gmail.com](mailto:morrell.pete@gmail.com)) by the evening of the 13th. I will be writing up the list then. To get into the show, you will check-in at the information booth and they will confirm your name. There will be wood and tools available to create items. In past shows, simple items that can be given to the kids that come with their parents or grandparents have been a big hit. Also if you would care to display any of your work, please bring that too.

The January meeting is a 4-station meeting. We will have at least one grinder to help people sharpen and two or three lathes. Someone demonstrates a quick to make item and then people can try their own hands at it. People are encouraged to bring their tools, especially for the sharpening. The Challenge is something kinetic (it moves or has moving parts).

The officers currently on the nomination list for 2014 are:

Pres – Pete Morrell

VP - Pete Gibson

Treasurer - Howard Borer

Secretary - Erik Von Beck

Newsletter - Jerry Klug

At Large - Skip Burke

Library - Mike Worthington

Video - Geraldine Clark

Web Master - Kathleen Duncan

Store – Jim Piper

Come to the meeting and vote. It may be possible for a friend to nominate you for one of the positions and you could be voted in.

## NOVEMBER MEETING

Woodworking has been a part of my life since day one. My dad was a carpenter and we always had a workshop in our basement. My career as an artist began with my interest in woodturning 15 years ago. A neighbor of mine welcomed me into his workshop and taught me the basics of woodturning and power carving. I became part of the local woodworking community and we shared knowledge and wood. I joined the American Association of Woodturning and attended a few national symposia, exposing me to a great wealth of inspiration. In 2005 I moved to Portland, Oregon and for two years focused on sculpture and didn't do much turning. After that, I moved to my hometown Moscow, Idaho and for four years turned bowls in my mentor's workshop and sold them at the farmers market. This summer, I was a resident artist in Philadelphia. This experience reconnected me to the larger world of wood artists and reignited my passion for sculpture. I have now moved back to Portland to pursue my career as an artist.

I will be demonstrating green wood bowl turning. First, I will describe how I find sources for my wood. Then I will move on to preparing the blank using the chainsaw and bandsaw. From there I will mount a 12-16" diameter bowl blank on the lathe and turn the outside. I will talk about and demonstrate hand sharpening a bowl gouge. I will then core the bowl. After the bowl has been cored, I will turn the inside using two differently ground bowl gouges. I will be talking about how to achieve the smoothest surface with the least tear out and how to attain the best line or curve both inside and out. With the turning complete, I will discuss drying, warping, sanding and finishing. If there is time, I would like to show some of my sculptures.

Ben Carpenter

## MEETING SCHEDULE

DATE	DEMONSTRATOR	CHALLENGE
NOV 17	<i>Ben Carpenter – Turning Green Wood</i>	Christmas Ornaments
JAN 15	<i>4 Station Demo &amp; Tool Sharpening</i>	Something Kinetic

November is the meeting to nominate and vote on new board members. Contact Pete Morrell with your suggestions for candidates and be sure to vote (not coming to the meeting could be a quick way to be voted in yourself).

## SYMPOSIUM SCHEDULE

- There is something planned for every month that may match your travel plans:
- [2014 TAW Symposium, Franklin, TN, January 31<sup>st</sup>–Feb 1<sup>st</sup>, 2014](#)
  - [Utah Woodturning Symposium 2014, Orem, UT, May 2014](#)
  - [AAW 28th International Symposium, Phoenix AZ, June 13-15, 2014](#)
  - [Woodturners of Olympia, Olympia WA, July 26, 2014](#)
- If you hear of an interesting symposium, e-mail me to add it to the list. Jerry Klug

## SECRETARY'S NOTE PAD



I have found that wearing my Wellingtons with jeans cuffs pulled over the top in the shop has improved my Domestic Supervisor's attitude and maximized our

marital bliss. Wearing my turning smock with the jeans/boots I can easily brush off all traces of chips and sawdust leaving no trace of my shop time on the house floor.

I may be elected as "Member At Large" so if you have any questions, concerns or ideas you would like me to assist with just e-mail me at [drgramp@comcast.net](mailto:drgramp@comcast.net) .

The response on Craft Supply group orders has been tepid so we probably won't have another one until late winter or next spring.

Thanks, your loving secretary,  
Skip Burke

## COMING ATTRACTIONS

**The Woodworking Shows: Nov. 15-17:** Portland Expo Center

**Vancouver Island Woodworkers' Guild: March 20 - April 5, 2014:** "Explorations in Wood 2014" at Ogden Point Pier B, Victoria, BC. This is a juried exhibition open to all woodworkers. **\$3500 in prizes will be awarded.** Work of a very high standard is being sought and woodworkers are encouraged to be very critical of what they submit. *Entry Deadline: February 28, 2014*

**35TH ANNUAL UTAH WOODTURNING SYMPOSIUM:** This year's theme will be "A Tribute to Dale Nish". 2014 Demonstrators include: Kip Christensen, Hans Weissflog, Jakob Weissflog, Art Majerus, Ray Key, Mike Mahoney, Steve Gray, Stuart Mortimer, Bonnie Klein, Kirk DeHeer, Bill Ooms, Nelson Cassinger, Al Stirt, David Ellsworth, Kurt Hertzog, Jerry Kermod, Glenn Lucas, Don Russell, Tom Sorenson, Keith Tompkins, Richard Raffan, Rex Burningham, Joe Wagner and many more.

Special Exhibition: This may be the last time to see turnings from so many of the world's greatest woodturners, all under the same roof. The Dale Nish Collection is not only a collection of spectacular woodturnings from around the world but is also a treasury of stories, and friendships Dale made with woodturners over the past 50 years. The goal this year is to showcase some of those earlier turnings that Dale collected and many that he turned himself. It is our hope that they will inspire and encourage all turners to keep on learning and turning, as Dale did all of his life.

**Registration will open December 1, 2013.** [www.utahwoodturning.com](http://www.utahwoodturning.com)

Contact: Susan Hendrix, Utah Woodturning Symposium Coordinator  
[utahwoodturningsymposium@gmail.com](mailto:utahwoodturningsymposium@gmail.com)

**Woodturners of Olympia: July 26, 2014 with Workshops July 27-30, 2014:**

2014 Creativity in Woodturning Symposium featuring Richard Raffan

Registration online : [www.woodturnersofolympia.org](http://www.woodturnersofolympia.org)

Contact: Al Price, Symposium Dir. - 360-791-0396 - [aprice44@aol.com](mailto:aprice44@aol.com)

## STOP THIS

By Jerry Klug

This time of year, a lot of us are making Christmas gifts and one that is both easy and fun to make is a bottle stopper. Those who sell them find that they can bring around \$20+ for a well turned stopper. One of our members decided to go upscale and uses Ruth Niles stainless components with exotic woods and inlaid decorations. You can make a stopper with a wood dowel and cork for the stopping end and turn the top holding the piece in a Jacobs chuck. If you want to get more involved there are collets, mandrels, chrome and stainless stems as well as acrylic, bone, antler and horn as alternatives to wood tops. You can make the top into a mini box to hold that special something. Your decoration options run the gambit from contrasting woods to pewter, silver or gold. There are cabochons available from mail order suppliers and rock shops or you can cast tiny objects into the top in clear poly/acrylic. A look at the Google pictures or better yet, Ruth Niles web site can provide a great number of ideas.



This is my first bottle stopper.

Listed here are a number of web sites that show both examples and instructions on turning a bottle stopper using various methods.

<http://nilesbottlestoppers.com/Stopper.Gallery.htm>

<http://www.yoyospin.com/stopper/> Ed Davidson

[http://www.youtube.com/watch?v=42n\\_4j8mrN0](http://www.youtube.com/watch?v=42n_4j8mrN0) Ed Davidson(mandrel)

<http://www.youtube.com/watch?v=b5xTwLzFKFo> The Doctor's Workshop video

<http://www.youtube.com/watch?v=lfZsH-Xprtq> John Lucas video

<http://www.youtube.com/watch?v=CHsta1TWfqq> Capt. Eddie Castelin video

[http://www.youtube.com/watch?v=9e8e\\_pl5oGs](http://www.youtube.com/watch?v=9e8e_pl5oGs) Sam Angelo Wyomingwoodturner video

<http://centralillinoiswoodturners.com/wp-content/uploads/2011/09/Bottle-Stoppers-II.pdf>

<http://www.woodturner.org/community/youth/projects/Bottle%20Stoppers.pdf>



Keith Thompson Stoppers



Alan Zenreich Stoppers

## DEMOS - CLASSES – SEMINARS

**Multnomah Art Center turning classes** for the fall are as follows:

November 2 from 10am to 2pm.

November 9 from 10am to 2pm.

The cost is \$50 per session and taught by Jerry Harris.

You can access the info and sign up for the classes at Multnomah Arts Center website;

<http://www.multnomahartscenter.org/about-mac/classes/>

**Franklin High School evening wood turning class** will start again following the holidays in January. It runs for 5 Tuesday nights from 6 to 9 PM. Tuition is \$105 and the wood is supplied. Bring your tools if you have some or use mine. Class is taught by Howard Borer. We cover spindle turning the first night, bowl turning the second night, and other items that interest you. Email Howard at [howardborer@yahoo.com](mailto:howardborer@yahoo.com) with questions, comments, etc.

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

- What's Turning Day – Military Inlay Pens Nov 9<sup>th</sup>, 11:00 AM

Learn how easy it is to turn unique pens in minutes

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

- Pen Turning (\$40) by Allison Geary, Nov 13<sup>th</sup> 1:00-4:00
- Platter Turning (\$125) by Paul Rasmussen, Nov 16<sup>th</sup> 10:00-4:00
- Pen Turning (\$40) by Staff, Nov 30<sup>th</sup> 1:00-4:00
- Beginning Lathe Turning (\$125) by Paul Rasmussen, Dec 7<sup>th</sup> 10:00-4:00
- Basic Bowl Turning (\$125) by Paul Rasmussen, Dec 21<sup>st</sup> 10:00-4:00

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

- Woodturning by Chad McInroy, Nov 16<sup>th</sup>, 10:00-3:00
- Large Outboard Turning by Poest, Dec 7<sup>th</sup>, 10:00-3:00
- Woodturning by Chad McInroy, Dec 14<sup>th</sup>, 10:00-3:00

## 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](mailto:turningwood@bendbroadband.com)



## COMPANY STORE

If a number of members want a certain item, we could be low on it. Please contact Eric G. von Beck at 503-320-5397 or [evonbeck@gmail.com](mailto:evonbeck@gmail.com) a week ahead of the meeting so he could verify that it is not out of stock and set it aside for you.

Company Store Item	Price
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	\$4.00 each

Eric is in need of gallon jugs for the Anchor Seal. No milk jugs as they are not sturdy enough.

## CWT MENTORS

Cascade Wood Turners has a mentoring program and the member turners providing assistance are listed in the "Resources" section of the 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](mailto:turningwood@bendbroadband.com) and I will add you to the list!

## CLASSIFIEDS

To place or continue an ad, contact Jerry Klug at [turningwood@bendbroadband.com](mailto: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:** Several years ago I became very enthusiastic about preventing green wood from checking when it dried out. I purchased 100 gallons of PEG 1000 (two 50 gallon barrels) and proceeded to use none of it. Rockler is selling it for \$52.95 per gallon. I would be willing to sell it for \$5.00 and deliver it from Hermiston. Frank Lamb e-mail [frankglamb@gmail.com](mailto:frankglamb@gmail.com)

**FOR SALE:** Hello, my name is Russ LaCombe and my partner is Don Thur. We have put together a set of nano-grain carbide cutters and mounting bars, which we are selling direct to the turner. Please look at <http://www.knotsburls.com/kilian-tools.php> and while you are there take a look at Don's Bowls.

**FOR SALE:** Shopsmith kit, all there but some assembly required (motor may need brushes). Only \$75 OBO and you can become a woodworker and a millwright. Skip Burke 503 233 4263

**FOR SALE:** New Jet Mini-Lathe Model JML-1014, 10" swing on a metal stand with drive center, live center, tool rest, face shield and face plate: \$300.00. New Rikon Model 50-120 combo 6" x 48" belt and 10" disc sander on a metal stand with 10 belts and 3 discs: \$300.00. Numerous flex & drum sanding wheels of various sizes with extra sleeves for drill press or hand drills, prices from \$2.00 to \$20.00. One face plate, 1-1/4" x 8": \$10.00. 5 new face plates, 1" x 8": \$10.00 each. New Kelton "The Hollower Set"--handle and 3 different curved hollowing bars: \$70.00. Pat Lynch 503-557-5526 [lynchtwo@comcast.net](mailto:lynchtwo@comcast.net)

**WANTED:** Used lathe and tools to allow me to turn banjo rings (11" dia). Reid Lustig [reidlustig@gmail.com](mailto:reidlustig@gmail.com) or 720-236-4968

**FOR SALE:** Wood for sale, lots of wood in fact, over 18 tons of interesting wood logs and chunks in Vancouver;

<i>Apricot</i>	<i>Carob</i>	<i>Magnolia</i>
<i>Avocado</i>	<i>Cherry</i>	<i>Maple (big leaf)</i>
<i>Black locust</i>	<i>Elm</i>	<i>Maple (hard)</i>
<i>Black walnut</i>	<i>English laurel</i>	<i>Norway maple</i>
<i>Blue spruce</i>	<i>English walnut</i>	<i>Ornamental mulberry</i>
<i>Bottle brush</i>	<i>Juniper</i>	
<i>Camphor (Calif. Bay Laurel?)</i>	<i>Liquid amber</i>	

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.*

Prices are about half of retail (i.e. Cook Woods or Craft Supply).

Contact Tim at [wtsmall@centurylink.net](mailto:wtsmall@centurylink.net) 360-989-7721.

## CASCADE WOODTURNERS OFFICERS AND CONTACTS

President	Ken Kirkman	(360) 687-9866	<a href="mailto:kenpegkirkman@gmail.com">kenpegkirkman@gmail.com</a>
Vice President	Peter Morrell	(503) 267-4730	<a href="mailto:morrellpete@gmail.com">morrellpete@gmail.com</a>
Treasurer	Howard Borer	(503) 658-3409	<a href="mailto:howardborer@yahoo.com">howardborer@yahoo.com</a>
Secretary	Skip Burke	(503) 233-4263	<a href="mailto:drgramp@comcast.net">drgramp@comcast.net</a>
Safety Officer	Harvey Rogers	(646) 660 3669	<a href="mailto:harveyrogers@gmail.com">harveyrogers@gmail.com</a>
Member at large	Keith Strauss	(503) 659-7830	<a href="mailto:strauss.k@comcast.net">strauss.k@comcast.net</a>
Video Librarian	Geraldine Clark	(503) 978-1973	<a href="mailto:clark7291@comcast.net">clark7291@comcast.net</a>
Book Librarian	Mike Worthington	(503) 640-0373	<a href="mailto:mikedw47@comcast.net">mikedw47@comcast.net</a>
Company Storekeeper	Eric G. von Beck	(503) 320-5397	<a href="mailto:evonbeck@gmail.com">evonbeck@gmail.com</a>
Newsletter Editor	Jerry Klug	(541)550-6299	<a href="mailto:turningwood@bendbroadband.com">turningwood@bendbroadband.com</a>
Web Master	Kathleen Duncan	(360)574-0955	<a href="mailto:woodsinner@gmail.com">woodsinner@gmail.com</a>

## 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>.

[Gilmer Wood Company](#)

[KLINGSPOR Abrasives, Inc.](#)

[Rockler Woodworking & Hardware](#) [Woodcraft Supply](#)

[Woodcrafters](#)

Carbide Saw



CRAFT SUPPLIES USA *The Woodturners Catalog* [www.woodturnerscatalog.com](http://www.woodturnerscatalog.com)  
1287 E 1120 S Provo, UT 84606 801-373-0919

### CARBIDE SAW

Sales & Sharpening



**Tad Wille**

- Saws
- Custom Cutters
- Routers
- Bandsaws
- Knives
- Abrasives

4040 SE Division  
Portland, OR 97202

Ph: 503-235-2260  
Fx: 503-233-1807

**WOODCRAFTERS**  
Everything for the Woodworker, and More!

Check Out Our  
Woodturning Lathes  
& Accessories from  
**ONEWAY**  
MANUFACTURING

**POWERMATIC**

**JET**  
Domestic & Exotic Hardwoods,  
Sharpening & Finishing Supplies

**Razor-Sharp Edge**  
- M42 Cobalt HSS

**Strong Handles**  
- Made with solid aircraft grade aluminum

**Reduced Chatter**  
- A round bit fits into a round hole for reduced chatter  
- Our solid aluminum handles greatly reduces vibration

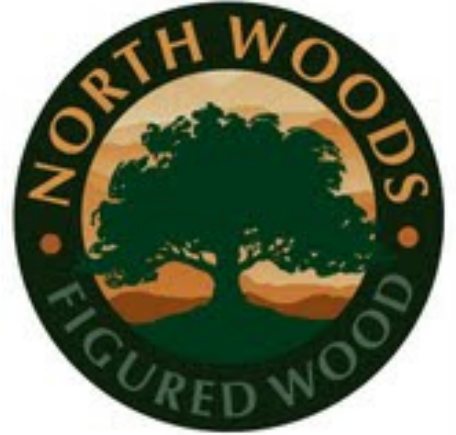
**Carter and Son Toolworks**  
Quality At Its Best  
Made in the USA

212 N.E. Sixth Ave. • Portland, Oregon 97232-2976 • phone: 503-231-0226 • toll-free: 800-777-3709 • [www.woodcrafters.us](http://www.woodcrafters.us)

Turning Times



Susan & Les at North Woods  
[service@nwfiguredwoods.com](mailto: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!*