

# Turning Times

THE OFFICIAL NEWSLETTER OF THE CASCADE WOODTURNERS

**March 2013**

**Please make sure that all content for the next newsletter reaches me by the 3rd of April! [turningwood@bendbroadband.com](mailto:turningwood@bendbroadband.com) Thanks!**

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

## **PRESIDENTS MESSAGE**

A BIG thank you to Pete Morrell for filling in for me as I suffered traveling in the Eastern Caribbean and spending some time with my sister in The Villages, FL. Let it suffice to say the weather was GREAT! We ate more than we should have and stayed up way longer than I thought possible. We were also thankful we were not cruising on the Carnival Cruise lines.

A BIG thank you to Steve Newberry for demonstrating “how to make a hook tool” at February’s meeting. I have heard nothing by accolades. I also understand, if you went to February’s Open Shop you had an opportunity to try the tool. Thank you Steve!

Keep in mind Ashley Harwood will be demonstrating Thursday night at our March meeting. She is one individual who can make a bowl gouge “sing.” I would encourage you to be present not only for Thursday night’s demo at the club meeting, but for her all day demo Friday, 3/22, at Dale’s shop. Then if you have not signed up for either one of her workshops on Saturday, 3/23, or Sunday, 3/24, please call me. We have openings for one person on Saturday and an opening for one person on Sunday. You will not regret taking this class. She is a phenomenal turner.

In April we have John Beaver coming to our club. He is famous for making the wave bowl. I would encourage you to take the time to look at his web site, <http://www.johnbeaver.net>. He is a fantastic artist. John will have an all day demo on Friday, 4/19, and an all day workshop on Saturday, 4/20. Make sure you sign up for the workshop at March’s meeting.

We will be having our quarterly Board Meeting on March 30. Give me a call if you have an issue you feel the board should address. I look forward to reporting to you the results of the meeting in April's newsletter.

**A new club is born... Southwest Washington Woodturners!!**

A big thank you to Rick Rich and all his efforts in getting a new club started. The woodworking group meeting at the Friends of the Carpenter Center in Vancouver, WA. have decided to join the American Association of Woodturners. The interim board is Dan Baker- President, Gary Ervin- Vice President, Larry Germann- Secretary, and Brian Harte- Treasurer.

The new Chapter will be known as The "Southwest Washington Woodturners." The meetings will be held monthly at the Friends of the Carpenter's Center located at 1600 West 20th St. Vancouver, WA. Meeting times will be from 7:00 PM to 9:00 PM the fourth Wed. of each month.

As this proposed Chapter is in its infancy, there are a lot of needs, including a larger lathe in good working order for demonstrations. Demonstrators are in dire need. With finances being tight volunteer demonstrators are being sought. If you have any questions, please call Dan Bake at 360.887.8963.

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

## **VP'S SOAP BOX**

As we put together the plan for the next year, I would like to ask for your input. At the meeting in March there will be a short survey of topics related to what you are interested in and what you are not. There will also be a section for you to add issues you feel the club should address. We will be using this to guide some of the decisions in who and what to pursue in the coming months. Remember that reserving guest demonstrator/instructors may require up to a year advance notice for well known turners. Please plan to take a few minutes to fill in the form. Seating to watch Ashley will require a completed survey. Thank you.

Pete Morrell

## **DALE'S CORNER**

We had 15 turners at open shop on Saturday February 23rd. Several bowls were turned along with some tools being sharpened. Woodturning is passed on one person at a time.

Take the time and offer to help the new members of the chapter to learn how to turn. By teaching others you will become a better turner. You have to be able to explain why you

do something and as a result you will gain a better understanding of turning. I encourage you to invite a new member to your shop to help them learn our craft.

There will be no open shop in March, I am traveling.

Dale

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

## **TREASURER'S REMINDER**

It's renew your membership time. This is a brief reminder for those who haven't renewed that you can't check out books or DVD's without an up-to-date membership card, and you have to renew to get one. Dues are \$25 for one person, \$35 for a family membership and a business.

Howard Borer, Treasurer

## **CASCADE MEMBERSHIP ADVANTAGES**

- ❖ Use of the bounteous club library is for club members. Your current membership card or listing on the Cascade Members roster shall be presented before any reference material, library book, Woodturning magazine or CD is checked out.
- ❖ Discounts at local supporting merchants with the showing of your card. See the list of participating businesses at the end of the newsletter.
- ❖ Group order discounts from Craft Supply and other special purchases.
- ❖ Free (???) Wood when members share the location of newly downed trees.
- ❖ Fellowship with the most caring and sharing hobbyist around.

## **CLUB LOGO CLOTHING**

Plan to pick up your items at the meeting.

## **SECRETARY'S NOTE PAD**

There have been requests for another Crafts Supply club order. Bring your request items to the meeting on Thursday and remember to include a stock number and page number from Craft Supplies current catalog. Individuals orders must total at least \$25. If there are enough orders placed to meet the minimum club order, you will have free shipping and a 13% discount.

The photos below are taken at Soren Bergers shop in New Zealand. Note the three engine block lathe. It should be not only vibration free but Soren could use it for keeping the family sedan going too. (Ed. Note: Maybe we can get Dr Gramp to enlighten us on shop footwear safety?).



## MARCH MEETING

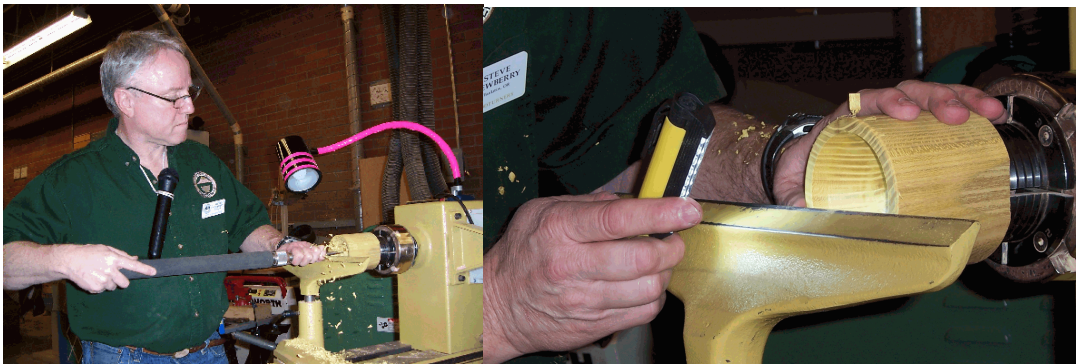
Ashley Harwood will be demonstrating precise tool control. The clubs around the Northwest have been abuzz with chatter about her appearances and full classes lately. This is a great chance to watch an artist that can teach as well. Don't forget to bring that challenge piece. The meeting starts at 6:45 PM.

## MONTHLY CHALLENGE

Since we are close to Easter the Challenge is to turn an egg. If you are adverse to eggs, bringing a hook tool you have made from Steve's demo will also qualify for the Challenge. Remember that there will be a chance to win a prize but only if you display in the Challenge.

## FEBRUARY MEETING

Steve Newberry had a full house watching steel being torched, bent, dipped, ground, torched, dipped and ground again. As I write this that seems fairly simple. The devil is in the details. Steve did a great job explaining each step in making a hook tool. Hook turning tools are as old as turning itself. Many European turners make their own tools and they often consist of a parting tool, a skew and a hook tool. That's it and the art they can produce is noteworthy. Modern turners have a myriad of tools that allow shaping a log easier, so the necessity of making your tools today becomes an effort to learn a different skill. The metal forming and heat treating is a completely different skill set from wood turning. The practice it takes to handle the hook tool so it won't catch is significant. So why do woodturners keep the art of making hook tools alive? I can see two important reasons; first is that the hook tool provides a tear out free cut in end grain, especially in boxes or other deep cuts where a bowl gouge cannot stay on the bevel and secondly the process of successfully shaping the grind and finished edge becomes a teaching tool that requires the turner to understand how the cut and tool interact to produce a good finish on the wood. Steve demonstrated a number of different hollowing tools to show their strengths and weaknesses including a bowl gouge, Ray Key gouge, Soren Berger tool, One-Way Termite ring tool and a Martel hook tool <http://martel.public.netc.net/MHT.html> . Most turners cut the bottom of a box or vase using a scraper and often a LOT of sanding. Steve showed how each of the hollowing tools left the end grain and how the hook tool could rough and finish end grain without sanding being required.



How to make your own hook tool:

Steve starts out with a length of 01 oil annealed drill rod and a heat treating temperature chart from Pacific Machinery & Tool Steel <http://www.pmtsc.com> . His equipment list includes a vise, long (sturdy) needle nose pliers, vice grip pliers, propane torch, MAP gas torch, 4" angle grinder with 60 grit flap sander disc, 12" sanding disc for the lathe using a 40 grit alum/zirconium (blue) PAS disc, quart can of olive oil, container of water, die grinder (Steve uses a H/F electric 25,000 RPM model), both a diamond flame or cone shaped burr (from Martel) and a grinding cone shaped stone to rough out the shape and a fine hone to finish the edge.

Chemical Composition of O-1 Tool Steel		Physical Properties of O-1 Tool Steel	
Iron	97.1%	Hardening (°F)	1450 - 1500
Carbon	0.90%	(°C)	788 - 816
Chromium	0.50%	Tempering (°F)	350 - 550
Manganese	1.00%	(°C)	177 - 228
Tungsten	0.50%	Hardness Range (R <sub>c</sub> )	64 - 58

Rather than trying to describe the process, I will concentrate on the techniques that Steve used that I noticed which may speed my success in making a hook tool. There are you tube and commercial videos that show the process.

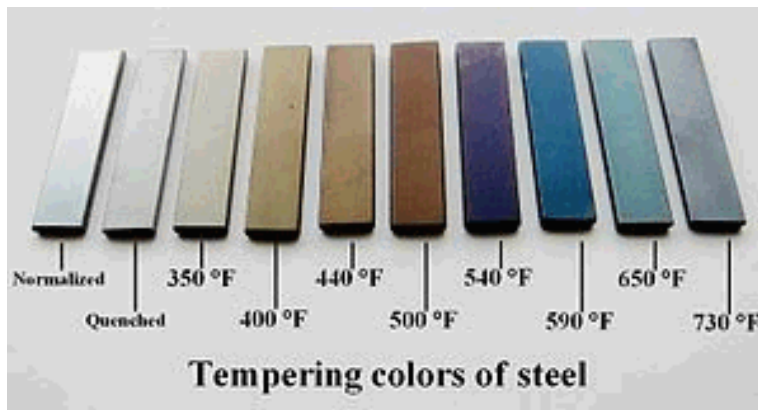
- ❖ Steve ground the sides of the future tool to a taper holding the rod such that equal amounts were removed from each side and the tip was about 3/16" wide at the top and near 1/8" on the bottom. The length of the taper depends upon the tool diameter. You only cut with the curve of the hook but the taper needs to be long enough for chips to clear.
- ❖ The angle grinder with the flap wheel is used to polish and shape the taper by holding so that the surface ground had a slight concave radius. After bending, this leaves the surface like it is ground on a wheel with the edges proud for easy honing to a sharp edge.



- ❖ The rod should be mounted in the vise with the thin edge away and the tip to be curved to the left for conventional turning rotation.
- ❖ Heat to "red hot" (1475°F) with the MAP gas torch and bend to the left with the needle nose pliers. The tool cutting radius is similar to a gullet of the bowl gouge so the shorter the length bent and the closer pliers are to their tip will control the

- size of the tool. After bending, the tool may have cooled so reheat before quenching.
- ❖ Quench in olive oil by quickly plunging into the oil and stirring constantly until cool (under 175°F). Olive oil because it has a higher vapor pressure than many other oils so there is less vapor around the hot steel. Water makes steam which insulates the steel and slows the cooling thus the steel loses some of the toughness you are heat treating it for. Similarly other oils vaporize at lower temperatures than olive oil and that vapor acts like an insulator as steam does. Olive oil also smells good.
  - ❖ Sand off all the dark oxide color so that the rod is shiny steel again with 80 grit.
  - ❖ Reheat with the propane torch slowly and playing the flame from the thicker portion of the taper on the rod. Once the thicker portion heats up it will maintain the heat and transmit the temperature to the tip. The color of the steel must not get darker than “straw” (450°F). If it is over heated and black or violet color shows, reheat to “red hot”, quench in oil and sand again. When the entire tip is “straw” colored, rapidly quench in water again continually stirring until cool.

At this point I take a break on the process to explain the color of heat treating. You may have noted that specific temperatures are described by their color on the chart. This is because the process of heat treating was developed before thermometers were invented. Part of a blacksmith’s apprenticeship was to learn the specific temperatures that metals required to change hardness. This required common language to communicate the heat treating process. Common items that the color is constant were used to describe the temperatures; straw, violet (think pansy’s), orange (think fruit), cherry red and so on.



- Faint-yellow – 176 °C (349 °F) – engravers, razors, scrapers
- Light-straw – 205 °C (401 °F) – rock drills, reamers, metal-cutting saws
- Dark-straw – 226 °C (439 °F) – scribers, planer blades
- Brown – 260 °C (500 °F) – taps, dies, drill bits, hammers, cold chisels
- Purple – 282 °C (540 °F) – surgical tools, punches, stone carving tools
- Dark blue – 310 °C (590 °F) – screwdrivers, wrenches
- Light blue – 337 °C (639 °F) – springs, wood-cutting saws
- Grey-blue – 371 °C (700 °F) and higher – structural steel

Back to building the hook tool;

- ❖ The H/F high speed die grinder with a Home Depot medium cone grinding stone shape the cutting pocket at a 30o angle. Use a light touch grinding and watch for overheating. The length of the sharpened edge will cause chance of catching as it gets longer. Better to keep the sharp finished edge short and on the end radius.
- ❖ Once shaped by the large grinder, use the diamond burr to finish shaping and polishing. Hand hone to develop cutting edge. Place in handle and turn.



Here is a video showing current old world ring turners making toys with a skew and hook tool.  
<http://www.youtube.com/watch?v=GoRJT9L-kf8&list=PLC3DFDF6F0B59A046>

## FEBRUARY'S CHALLENGE

There were four turners that submitted bracelets to the challenge last month. The winner chosen was Joe Escriva for his cocobolo bracelets.





## LIBRARY CORNER

The video library has a number of new additions.

We now have the full set of seven video discs by Malcolm Tibbetts on segmented turning. They cover all the way from basic segmented design and layout to fabricating a mobius. The seventh and newest disc may be of interest to those of you that never planned to do segmented turning as it is more basic lamination used to make jewelry. There are a lot of ideas for using multiple wood colors in various shaped turning for ear rings, pendants and bangles. These are good ideas for using those end cuts and scraps to make gifts or small items to take to the Saturday market.

The Sue Harker video set is a two disc three hour demonstration on making a “bowl in a bowl”. Sue turns a thin edged bowl with four clover leaf like off center grooves that she inlays and then pierces the edge to highlight the inlay pattern. The larger bowl is hollowed off center so that the first bowl sets into the hollow. The camera work is clear and Sue explains each step. This is a great video for those turners who want to try multi center turning on a bowl or platter.

The Andy Lodge video set is also a two disc demonstration and is three hours fifteen minutes in length. The subject is fruit and has a separate section for each of seven types of fruit from grapes to Satsumas. Andy’s finished fruit bowl looks like you could pick a piece and bite right in. Some of the pieces are finished showing the grain but the Satsuma is colored and textured very authentically. Each section shows finishing and there is a complete section devoted to finishing techniques. These fruit pieces make great gifts as well as good practice at improving our tool control.

The third video is by Terry Scott. It too is a double disc set and this one is three and a half hours long. It goes pretty quick though as this is in New Zealand time. The subject is the Manta Ray bowl and Terry covers the process in detail but the design is as variable as your imagination allows. Terry is enthusiastic teacher and for those who may have met him in San Jose know, he is also eager to share his skills. Terry is known for large off center work and stresses safety even in small Manta Ray designs. There are a lot of good tips that apply to other shapes in turning.

The videos of Sue Harker, Andy Lodge and Terry Scott were all produced by KTMP Productions. You may have viewed some of the Eli Avisera videos in the library. KTMP also produced those. The camera work and editing are done very well.

Jerry Klug

## MEETING SCHEDULE 2013

DATE	DEMONSTRATOR	CHALLENGE
MAR 21	Ashley Harwood – Bowl Gouge	Turned Egg
APR 18	John Beaver – Wave Bowl	Bowl w/Ashley's Technique
MAY 23	<i>Note Date Change TBAL</i>	Wave Bowl
JUN 20	Joe Wagner - Ornament	
JUL 27	<i>Note Date Change</i> Picnic @ Phill Lapp's	Bird House Ornament
AUG 15	Jimmy Clewes	A Plate
SEP 19	Ron Gerton – Turning Enhancement	Something turned fast
OCT 20	Auction	No Challenge
NOV 17	<i>TBAL</i>	Christmas Ornaments

*Note some open spaces for our local turners to demonstrate*

## COMING ATTRACTIONS

### Cascade Woodturners:

March 21<sup>st</sup>: Ashley Harwood, Mar 22<sup>nd</sup> all day demo, Mar 23<sup>rd</sup> hands on class

April 18<sup>th</sup>: John Beaver, Apr 19<sup>th</sup> all day demo, Apr 20<sup>th</sup> hands on class



John Beaver "Wave Bowl"  
<http://www.johnbeaver.net>



Ashley Harwood bowl  
<http://www.ashleyharwood.net>

### The Fraser Valley Guild is hosting Binh Pho in April.

Contact: Murray Sluys [murray.sluys@gmail.com](mailto:murray.sluys@gmail.com) FVWG.ca

#### **Two Hands-on-Workshops with Binh Pho; Cost \$150.00 ea**

April 12, 9:00-4:30

At Bow River Specialty Woods, 46501 Ballam Road Chilliwack BC B/Y/O lunch

April 14, 9:00-4:30

At Canadian Woodworker Ltd. 108-5433 152 St Surrey, BC B/Y/O lunch or there are food outlets nearby

#### **A Demonstration Day with Binh Pho; Cost \$35.00**

April 13, 9:00-4:30

At Bow River Specialty Woods, 46501 Ballam Road Chilliwack BC B/Y/O lunch

**Gathering of the Guilds;** One of Portland's premier art events will be April 26, 27, and 28, at the Portland Convention Center. Woodworking, woodturning, pottery, weaving, metal arts, glass, and bead making will all be represented. It is Cascade's intention to share a 10 by 10 booth with Northwest Woodturners. The cost of the booth will be shared by the club treasuries, and will be free to whoever would like to display their work. However, you will be expected to put in some of your time to man the booth. We will need to have at least one person in the booth at all times during the show. We will have a sign up sheet at our January meeting. So please check your calendars for which days and times you could be there. You will be allowed to sell your work to the public, and there will be literally thousands of people walking past the booth. It is your job to get them to stop and buy something. It should be fun; so get to turning with this show in mind. Any questions please direct to [GarySundquist@gmail.com](mailto:GarySundquist@gmail.com) or [503-645-2231](tel:503-645-2231).

## DEMOS - CLASSES – SEMINARS

**Multnomah Arts Center** 503 823 2787 <http://www.multnomahartscenter.org>

- Jerry Harris is teaching a one day class on April 27 at the Multnomah Arts Center in SW Portland from 10am to 2pm. The class is \$50 and includes all tools and materials.
- Jerry Harris is teaching a 4 day class starting on May 4 and running for the next 3 Saturdays. Classes start at 10am and go to 2pm. All materials and tools are included. The 4 day class is \$175. Learn how the tool cuts the wood and produce a bowl, honey dipper, top or other small item. To enroll contact the MAC .

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

- Turning Bookmarks Demo, April 6<sup>th</sup>, 10:00 AM
- What's Turning Day – Manhattan Pen Demo, April 6<sup>th</sup>, 11:00 AM
- Making Fishnets Demo – Using Rockler Steam Bender, April 13<sup>th</sup>, 10:00 AM
- Rockler Innovation Day – Steam Bending Demo, April 13<sup>th</sup>, 11:00 AM

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

- Pen Turning (\$40) by Staff, March 30<sup>th</sup> 1:00-4:00
- Platter Turning (\$115) by Paul Rasmussen, March 31<sup>st</sup> 10:00-4:00
- Beginning Lathe Turning (\$115) by Paul Rasmussen, April 6<sup>th</sup> 10:00-4:00
- Pen Turning (\$40) by Staff, April 10<sup>th</sup> 1:00-4:00
- Pen Turning (\$40) by Dave Ward, April 20<sup>th</sup> 10:00-1:00
- Basic Bowl Turning (\$115) by Paul Rasmussen, April 27<sup>th</sup> 10:00-4:00
- Pen Turning (\$40) by Mike Shea, April 28<sup>th</sup> 1:00-4:00
- Beginning Lathe Turning (\$125) by Paul Rasmussen, May 4<sup>th</sup> 10:00-4:00
- Pen Turning (\$40) by Dave Ward, May 18<sup>th</sup> 10:00-2:00
- Basic Bowl Turning (\$125) by Paul Rasmussen, May 25<sup>th</sup> 10:00-5:00
- Beginning Lathe Turning (\$125) by Paul Rasmussen, June 1<sup>st</sup> 10:00-4:00
- Pen Turning (\$40) by Emile Riveria, June 8<sup>th</sup> 1:00-4:00
- Pen Turning (\$40) by Allison Geary, June 12<sup>th</sup> 1:00-4:00
- Turning Boxes (\$135) by Paul Rasmussen, April 29<sup>th</sup> 10:00-4:00
- Beginning Lathe Turning (\$125) by Paul Rasmussen, July 6<sup>th</sup> 10:00-4:00

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

- Tool Sharpening with a Tormek, March 23<sup>rd</sup>, 10:00-3:00
- Woodburning by Dick Armstrong, March 30<sup>th</sup>, 10:00-3:00

## SYMPOSIUM SCHEDULE

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

- Totally Turning 2013, Saratoga Springs, NY March 23-24, 2013
- Southern States XIII Woodturning Symposium, Cartersville GA Apr 26-28, 2013
- Utah Woodturning Symposium, Orem UT May 16-18, 2013
- AAW Symposium, Tampa, FL June 28-30, 2013
- Woodturners of Olympia Symposium, Olympia WA July, 2013
- SWATurners Symposium, Waco, TX August, 2013
- Rocky Mountain Woodturning Symposium, Loveland, CO September, 2013
- Ohio Valley Woodturners Guild, West Harrison, IN October 11-13, 2013
- Wisconsin Woodturners Expo, Eau Claire, WI November, 2013

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

It is time to plan to attend the Utah Woodturning Symposium. The early registration discount price ends in April. A number of Cascade turners are planning to attend again this year so form up a carpool and reserve a room.

## 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.

The Anchor Seal 55 gal drum has arrived. The problem is storing that much end seal. If you reserved end seal from this shipment at the special price but have not made arrangements to pick it up by the time of the March meeting, all remaining end seal will be at the meeting and for sale. All but 6 gallons are spoken for.

<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	\$4.00 each

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

## 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)

## 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:** Cheap beginner's lathe for sale. 4-speed Rockwell lathe: 10" swing over bed, 14" swing over gap in the bed, at least 36" between centers, motor needs to be rewired, sheet metal stand with solid sides, 8 Leichtung high carbon tools (no high speed tools), no live center in the tail stock but there's also a ton of dry hardwoods: it looks like the guy did a lot of flat work also.  
Mrs. Darlene Daniel 503.706.2296 She lives in Troutdale

**FOR SALE:** Dayton "5K967" heavy duty electric motor, 3HP, 220V, single phase, unused, new price was \$600. Make a reasonable offer. Jerry Klug (541) 550-6299  
[turningwood@bendbroadband.com](mailto:turningwood@bendbroadband.com)

**FOR SALE:** One Way Scroll Chucks and accessories for sale. All pieces are used but in very good condition. All is less than two years old. Prices listed are 20% off Craft Supplies prices. I will negotiate on complete package or trade if you have tools I'm interested in. Talk to me.

Talon with #2 jaws and 1 1/4" 8tpi insert \$185.00  
Talon with 1 1/4" 8tpi insert (now jaws) 135.00  
Stronghold with #2 jaws and 1 1/4" 8tpi insert 230.00  
#3 jaws for Stronghold 44.00  
#3 jaws for Talon 40.00  
Dovetail jaws for Talon 30.00  
Spigot jaws for Talon 33.00  
Jumbo jaws for Talon 83.00  
Jumbo jaws for Stronghold 100.00  
Big Bite for Talon 16.00  
Jim Piper [jimpiper@me.com](mailto:jimpiper@me.com) 503-730-0073

**FOR SALE:** Jet 1236 lathe. Its about 12 years old and is the old Jet blue/gray color instead of the white color of newer Jet equipment. Comes with stand, drive spur, tail stock, and faceplate. Jet currently sells a 1236 which is exactly the same lathe except for the color. It sells on Amazon for \$920. I'm asking \$450.

**Joe Jedrychowski** phone 503 699 1990 cell 503 327 4384 [jjedro@comcast.net](mailto:jjedro@comcast.net)



## CASCADE WOODTURNERS OFFICERS AND CONTACTS

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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>.

**Gilmer Wood Company**  
**Rockler Woodworking & Hardware**  
**Woodcrafters**

**KLINGSPOR Abrasives, Inc.**  
**Woodcraft Supply**  
Carbide Saw

**Open House**  
Saturday, April 6th 9am-5pm



- ★ Warehouse Sale - Deals!
- ★ Wood Turning Demonstration
- ★ Extraordinary Wood
- ★ Chocolate Truffles

56752 SW Sain Creek Rd Gaston, OR 97119

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**CARBIDE SAW**  
Sales & Sharpening



"Never a Dull Moment"

**Tad Wille**

- Saws
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*Would you like to be on the "MENTOR" list on the web site? You could be a resource for newer turners. Contact a Board member to be added and list your areas you prefer to help with.*

