

# Turning Times

THE OFFICIAL NEWSLETTER OF THE CASCADE WOODTURNERS

**September 2012**

**Please make sure that all content for the next newsletter reaches me by the 5<sup>th</sup> of October!**  
[turningwood@bendbroadband.com](mailto:turningwood@bendbroadband.com) Thanks!, Jerry Klug

**NEXT MEETING: 7:00PM, THURSDAY, September 20<sup>th</sup> AT FRANKLIN HIGH SCHOOL**  
5405 SE Woodward St, Portland, OR

## **PRESIDENTS MESSAGE**

I would like to thank Bob Espen for last month's demonstration of twisted boxes. Unfortunately for me the heat had fried my brain enough so that I didn't catch all the math for layout, but hopefully when I have enough time I can play with it and figure out how to manipulate the twists. If not, on one of these days I will have to travel up to Bob's Shop, a very fun place to be. For all future meetings in hundred-degree heat I suggest we make them pool parties.

This month's meeting will be September 20<sup>th</sup> and will feature a visit from Eric Lofstrom showing us how he makes translucent bowls. Then on Friday the 21<sup>st</sup> he will be teaching an all day hands-on class at Dale's shop on multi axis turning. The emphases will be on using the skew and experimentation on how manipulation of the object on the lathe will change shapes and how the diverse planes meet to make a non-symmetrical sculptural object. He will also go into a very inexpensive way to color wood with results that will make you question all that money you spent buying an airbrush. There is a \$90 dollar charge for the class.

Then on Saturday for a \$30 dollar charge there is an all day demo at Dale's where Eric does all the work showing us how he makes all the objects he does and the various embellishments and decorations he uses. On both of the all day events I have asked Eric to go into tool usage and why various cuts work and why some don't. Eric is a very good teacher at this, and I have discovered that it lasts longer in my brain if in addition to being told how to do something if they also include an explanation of why it works doing it that way.

I have been looking forward to Eric's visit for some time now. His work shows a great deal of experimentation and just plain fun. He is a great teacher and will encourage you to experiment with the way you do things and the objects you make. All this while stressing safety and an understanding of what is happening at all times.

The following is a little off topic, but just a little in that it does involve turning on the lathe, just not turning wood. Last week I went down to catch a day of the Stone Sculptors Symposium. I went mainly to spend a day with Bill Pickerd who turns alabaster on the lathe, and the icing on the cake would then be to catch a presentation by Kazutaka Uchida on the influences behind the monumental size marble installations he does all over the world. I figured if I got to meet Uchida at all it would be for about thirty seconds while you tell him how much you admire his work before he moves on to talk to someone else. That would be ok; after all I was going to get to spend most of the day with Bill Pickerd explaining how to work alabaster anyway.

Unbeknownst to me, Bill had set aside the day I came down to teach Uchida how to turn alabaster. So I got to spend most of the day in a group of just four, Bill, Uchida, Uchida's interpreter, and me. The real lessons came in getting to watch a real master who has spent a lifetime in the esthetics of working stone to approach a material he had never worked before on a machine he knew nothing about.

Bill first gave Uchida a piece of graph paper and explained the rather simple limitations that the piece had to be within the dimensions of the stone and the opening at the top had to include the glued on ebony ring at the top. Bill had explained that he could just start shaping the stone on the lathe and the first accidental shapes would suggest other shapes he could make. However, Uchida started to draw, and draw, and then most importantly to redraw. While he was open to the limitations of the material and even shapes the stone might suggest. He wanted to be in control of the shape and what was made. He drew about five exploratory drawings in less than two minutes. His first drawn curve had the widest point in the middle and he immediately moved it up. He then decided to waste over one third of the stone in order to get the shape he wanted. He knew shape trumps every other consideration. His next idea was to vary the thickness of the vessel wall in order to change the translucence of the stone at critical changes in the curve to call attention to those areas of the vessel. He was thinking how to use the properties of his material to work to his advantage.

With a little instruction Uchida picked up turning basics very quickly but had a little difficulty making finesse cuts and from time to time he would have Bill make minute refinements for him. Uchida wouldn't let his limitations be the limitations of the work.

Finally Uchida would almost never turn off the lathe to check the shape of his vessel, but he would use his hands to continuously check the evolving shape of the still spinning object. I asked him extensive question to get at his thought processes behind the shape choices he made and on several occasions his explanation came down to making changes because it didn't feel right.

I have a couple of alabaster stones on order and I hope they arrive before the weather turns cold because I do not want the mess in my shop. Come to think of it I don't need to worry about the weather as much as I need to worry about my postal carrier. When she finds out I am having rocks shipped to me in "if it fits it ships" postal boxes, I will be a dead man.

Please remember the wood auction will be our October meeting. So you have a little over a month to think about donations of wood, tools, or artwork. The proceeds from the auction help us bring you the club presentations we all enjoy.

Hope to see everyone on September 20<sup>th</sup> at Franklin High School Shop for our demonstration of translucent bowl by Eric Lofstrom.

Gary Sundquist, President  
Cascade Woodturners  
[GarySundquist@gmail.com](mailto:GarySundquist@gmail.com)

## **VP'S SOAPBOX**

Cascade Wood Turners Produce a Sea of Blue

Cascade Wood Turners were well represented by David Gutschmidt, Kathleen Duncan and Ken Kirkman with pieces entered in the 2012 Clark County Fair. All were awarded a blue ribbon for each entry.

David earned the Best of Class for his burl hollow form. He also received blue ribbons for a burl platter and a nested set of five burl bowls.

A whimsical & colorful display of tops was entered by Kathleen, receiving Honorable Mention in the Best of Class category and a blue ribbon. Kathleen also received blue ribbons for each of her three bowl entries, each from different wood.

My blue ribbons came from inside-out ornaments and a maple burl bowl entry.

Not only were the entries of the three turners given firsts, but each turner was awarded Master Craftsman for their work.

Ken  
(360) 687-9866  
[kenpegkirkman@gmail.com](mailto:kenpegkirkman@gmail.com)

## **DALE'S CORNER**

There will be an "Open Shop" on Saturday, September 29<sup>th</sup>. Bring your tools to sharpen and projects to get advice on and turning tips. You can take advantage of mentors who have been where you are now and can help you sink deeper into the turning vortex. We start at 9:30AM.

Don't forget to vote for AAW board candidates. The candidate's statements are in the current issue of American Woodturner. You can vote with your paper ballot or electronically via the AAW Website.

Bob Tuck is selling all of his tools and wood. See the list of the power tools that are for sale in the classified section at the end of the newsletter. There is a lot of good wood and hands tools that will be for sale on October 6th.

## TREASURER'S ACCOUNT

School has started and so we'll be having the wood turning class again in the turning room at Franklin High. We're having a 5-week session on Tuesday nights from 6 to 9 PM. Turners at all skill levels are welcome, especially beginners. Bring your own tools if you have them. We'll cover spindle and bowl turning. Fee is \$100 for the 5 nights and includes the wood. Contact Howard Borer at 503.658.3409 or [howardborer@yahoo.com](mailto:howardborer@yahoo.com) if you'd like to reserve one of the open spots. The first class is the Tuesday after this month's meeting, that's Sept. 25. The last class is October 27th.

Howard Borer

## SECRETARY'S NOTEBOOK

The Case of the Mysterious Click in Powermatic's 3520 A&B

About 2 months ago, my 3520B developed a disturbing metallic click. Neither Craft Supply, Barbo, nor any of the local dealers could shed light on the cause of this problem.

To make a very long story short --- it originated in the spindle locking collar. This collar is located immediately behind the RPM module. There are two 7mm Allen set screws that come loose over time and need to be re-snugged (That is a medical technical term for tightened). If the click persists -- loosen both screws and advance the locking key (on the shaft in association with the collar) about 1/16th of an inch and retighten the screws.

When I was informed about the fix by Powermatic tech support, I was told that this is a fairly common problem. I was surprised when none of our suppliers had either heard of this problem and/or could offer a solution.

P.S. Easier access to the screws is accomplished by removing the four Allen screws from the RPM module and pulling it forward and down.

Quiet turning,  
Skip Burke

## MAC WOODTURNING CLASSES

A couple of years ago, I solicited some money from Cascade Woodturners, got a grant from the AAW, Pacific NW Woodturning Guild gave some, a couple of other private parties gave some and this allowed the Multnomah Arts Center (MAC) in SW Portland to purchase some lathes and equipment. For the last year, this equipment has sat idle due to not enough people have signed up to hold classes. I believe that the woodturning program at the MAC can be a really successful program and pretty inexpensive too but there will have to be more people to take advantage of it. If you are a beginner, or intermediate woodturner, I invite you to sign up for one of the classes offered. If the schedule doesn't fit yours, please contact either myself or the school to see if we can change it. To access the information, go to <http://www.multnomahartscenter.org/> or call the office at **503 823 arts (503 823 5787)** and ask for Nicole. Hope to see you soon.

If you need to have more info on the program, please contact me and we will talk.

Jerry Harris  
503 244 6921  
westwoodct@comcast.net

## MEETING SCHEDULE 2012

DATE	DEMONSTRATOR	CHALLENGE
SEP 20	Eric Lofstrom – Sat Demo/Class	Multi center boxes
OCT 18	Auction	Buy lots of stuff
NOV 15		Christmas Ornaments
DEC	No meeting – Merry Christmas	Be Merry

## SEPTEMBER CHALLENGE

The Challenge for this month's meeting is to make a multi-center box.

## AUGUST DEMO

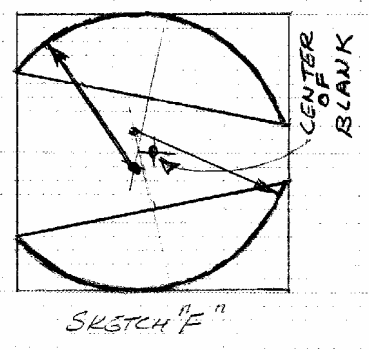
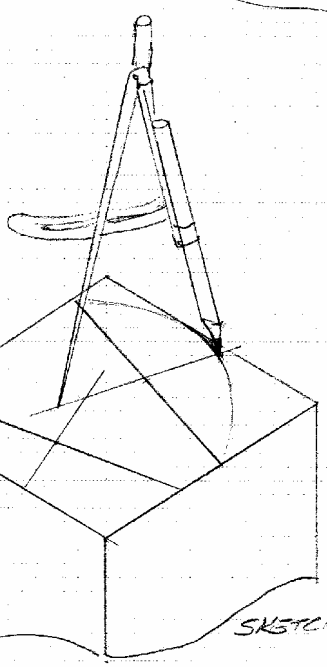
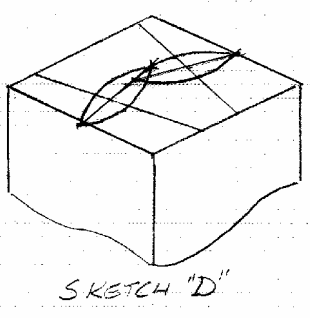
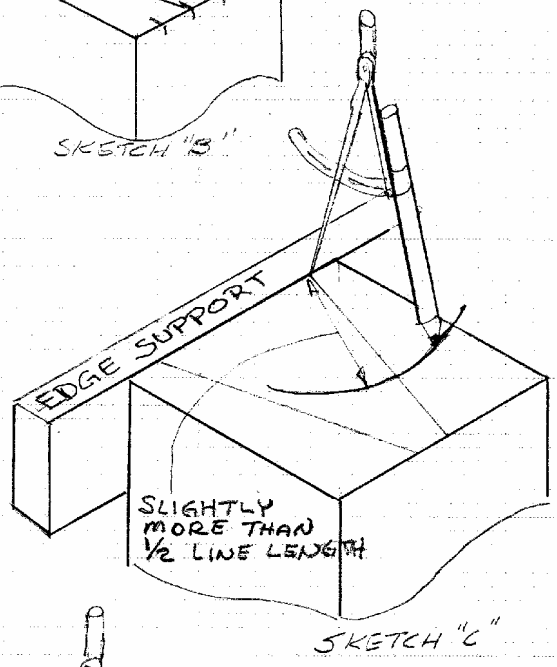
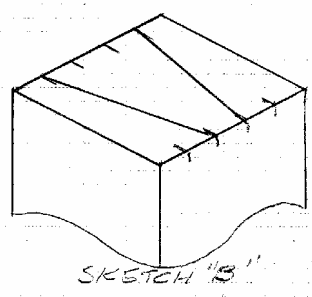
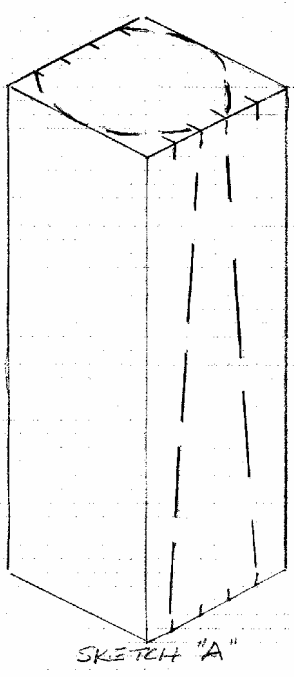


Bob Espen turns a box with a twist. His twisted boxes can take more than a dozen different chucking steps. The box Bob demonstrated only requires seven. It is a straight sided box with two off center curved sides. There were a lot of questions on laying out the centers so I turned a box to be sure I had the process correct. Here are the steps I followed so you can turn one for the Challenge.

1. Start with a square blank and not too small of a one (more on that later). Mark the top edges that are opposite of each other with an odd number of spaces. Odd numbered spacing is commonly found in nature and is more pleasing to the eye. The number is up to you but five spaces is a good starting place. Repeat the marking on the bottom with the marks in line with the top marks. (Sketch "A")
2. Draw two lines across the top connecting two of the marks. For your first one, it is much clearer if you keep the lines so that they mirror each other from the center line of the blank. You can use any set of marks and even cross the lines but your box design may get a bit complicated. For my first attempt, I kept it simple and followed the example Bob showed in his demo using five spaces and the lines splayed from the center. (Sketch "B")

## Turning Times

3. The next step is to draw the lines on the bottom. The only trick is to have the spacing between the lines be opposite from the pattern on the top. The side with the narrow gap on the top must have the wide gap on the bottom.
4. Now the geometry begins. The lines, all four of them, require a perpendicular bisector. Use a drafting compass set slightly larger than half the line length of the line and draw an arc from the end of the line. Since it is difficult to set the compass pivot point at the edge of the wood, either clamp, glue or tape a scrap wood support block to the blank, flush with the top of the wood. This supports the compass point when you draw the arcs. (Sketch "C") Now draw the arc from the other end of the same line, without changing the compass setting. Where the two arcs cross draw a line through the arc crossings. This is not only the half point of the line but it is perpendicular (square) to the line. Do this on all four lines. If you are doing a design like Bob demonstrated it only takes one compass setting for all eight arcs. (Sketch "D")
5. This step is trial and error time. You set the compass point on the bisector line you just established and check if the arc the compass is set to intersect both ends of the line you bisected and the edge of the blank. If not, adjust the compass and try again. When the compass touches those three points, this is the turning center of that side. (Sketch "E") I use an awl to establish the turning center and draw a line to the arc to be cut so I can tell one turning center from the others. Now repeat the process on the remaining three bisector lines. (Sketch "F")
6. Start the box layout by finding the blank center. You now have three centers on each end of the blank and if you are making a small box, you have just noticed that they are awfully close together. This is where a typical 60° live center can give problems by making a center point depression that will crowd the nearby offset centers. Using a cup center with a short center point will assist in keeping the center locations useable.
7. Now you make the box. Turn the tennon on each end if you use a scroll chuck. You can grip the blank in the chuck leaving it square but I like to have the box concentric with the center points for finishing the top and bottom. Bob had the box inside already turned. I waited until after the layout to turn the box internals as I need to have the layout to see how the side curves affect the wall thickness. Cut the top and bottom where you want the design shape to be and hollow the box as you usually would. The fit on the box joint tennon must be snug. You should hot melt glue the lid to the bottom to assure the pieces do not rotate when turning the outside.
8. Turning the outside is almost normal spindle turning but you must be sure to have the piece on the centers that match the outside cuts. That is why I draw that radius line from the centers to the arc. This is intermittent cutting so be sure to check the piece clears the tool rest and you keep all your digits behind the tool rest. Use a SHARP spindle gouge, light cuts and as much speed as you are comfortable with. You may have to go back and forth between the offset centers to get the cuts balanced and the flat sides with a straight line at the edge of the curved side cuts.
9. Finish the ends using a jamb chuck and detail as you please. If you normally add beads or groove lines at the box joint, you will have to do this by hand. When the curved sides are turned on the off set centers, the joint is not in plane with the cutting tool. When the blank is on center line for turning the box details, the flat sides are inside the radius of the curved sides.





The box in the center is similar to the demo box. The one on the left is turned with four curved sides set at a 15° angle. This box that required well over a dozen chuck mounting positions. The small grooves on the side are angled slightly downward. There are similar grooves inside that are parallel to the base so that a lattice is viewed through the box.



These large pieces are more examples of Bob Espen's skill and design talent.



## AUGUST CHALLENGE

The tops were well displayed with over two dozen entries. The best looking top was won by Charlie Gray with his nicely detailed drede box.



The spin-off went on a long time with Jerry Klug finally outlasting the spin of Rick Rich.

## COMING ATTRACTIONS

### Cascade Woodturners:

Sept 20<sup>th</sup>-22<sup>nd</sup>, Eric Lofstrom – Demo/Class

### Northwest Woodturners:

Nov 1<sup>st</sup> – 4<sup>th</sup>, Stephen Hatcher, Saturday Demo, Friday & Sunday hands on class

### Willamette Woodturners:

October 11-14: Stuart Batty – Demo/Class

## DEMOS - CLASSES – SEMINARS

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

- Bottle Opener Demo, Oct 13<sup>th</sup>, 9:30 AM

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

- Pen Turning (\$40) by George Hays, Sept 12<sup>th</sup> 1:00-4:00
- Turning Platters (\$115) by Paul Rasmussen, Sept 15<sup>th</sup> 10:00-4:00
- Turning Spheres (\$110) by Michael Meredith, Sept 16<sup>th</sup> 10:00-4:00
- Bowl Turning (\$115) by Paul Rasmussen, Sept 22<sup>nd</sup> 10:00-4:00
- Inlay Turnings with Inlace Demo, Sept 22<sup>nd</sup> 1:00-2:00
- Turning Boxes (\$115) by Michael Meredith, Sept 23<sup>rd</sup> 10:00-4:00
- Pen Turning (\$40) by George Hays, Sept 29<sup>th</sup> 1:00-4:00
- Natural Edge Bowl Turning (\$125) by Paul Rasmussen, Sept 30<sup>th</sup> 10:00-4:00
- Beginning Bowl Turning (\$110) by Paul Rasmussen, Oct 6<sup>th</sup> 10:00-4:00
- Pen Turning (\$40) by George Hays, Oct 10<sup>th</sup> 1:00-4:00
- Pen Turning (\$40) by George Hays, Oct 20<sup>th</sup> 1:00-4:00
- Basic Bowl Turning (\$110) by Paul Rasmussen, Oct 28<sup>th</sup> 10:00-4:00
- Christmas Gifts & Ornaments Demo, Saturday Nov 3<sup>rd</sup> 11:00-5:00
- Beginning Lathe Turning (\$115) by Paul Rasmussen, Nov 3<sup>rd</sup> 10:00-4:00

## Turning Times

- Turning Christmas Ornaments (\$115) by Paul Rasmussen, Nov 11<sup>th</sup> 10:00-4:00
  - Beginning Lathe Turning (\$115) by Paul Rasmussen, Dec 1<sup>st</sup> 10:00-4:00
  - Turning Christmas Ornaments (\$115) by Paul Rasmussen, Nov 8<sup>th</sup> 10:00-4:00
- Woodcrafters** 503-231-0226, 212 NE 6th Ave, Portland, [www.woodcrafters.us](http://www.woodcrafters.us)
- Turning a Large Sphere Demo by Poest, Oct 6<sup>th</sup> 10:00-3:00

## SYMPOSIUM SCHEDULE

- VA Woodturning Symposium, Fishersville, VA Sept 15<sup>th</sup> – 16<sup>th</sup>
- Ornamental Turners Bi-Annual Symposium, Scranton, PA Sept 28<sup>th</sup> – 30<sup>th</sup>
- 3rd Segmenting Society Symposium, South Lake Tahoe October 18th - 21st 2012

## 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!

## 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, and we are low on it please email Peter Morrell at [luvbermuda@aol.com](mailto:luvbermuda@aol.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	\$4.00 each

## 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.

**WANTED**, electric drill with keyless chuck, preferably not running or with batteries that are worn out and too expensive to replace. Don't throw it away, let me try something with it and it may become an article for the newsletter. Jerry Klug, (541)550-6299 [turningwood@bendbroadband.com](mailto:turningwood@bendbroadband.com)

**FOR SALE**, a retiring woodturner has wood and tools to sell. He has about 100 pieces of wood to sell, mostly bowl blanks. The wood is largely redwood and myrtle but some walnut and maple is included. All the wood is dry. He is looking for \$150 to \$200 for the lot. He also has turning tools and a lathe, Dewalt 13" planer, chop saw, band saw and other bench tools. There is also air handling equipment.

Contact Arlin Fern in the Aloha area at 503-430-5111.

**FOR SALE**, Bob Tuck is selling all of his tools and wood. There will be a open shop sales day on Saturday October 6<sup>th</sup> at Bob's house. The hand lathe tools, wood and turning stock, Bridge City tools, clamps and other hand tools will be available for sale on Saturday Oct 6<sup>th</sup>. Bob is requesting that all sales be in **cash**. His address is 2180 NW 111<sup>th</sup>, Tigard. Bob **prefers** contact by email: [friartk@aol.com](mailto:friartk@aol.com). His phone is 503-643-6966 but please note that Bob is hard of hearing.

The following list of large tools are for sale now.

#### Lathes

- ❖ Oneway lathe 2436 2hp 220vt 17" bed extension, four tool rests, extra faceplates, and vacuum system. \$4500.
- ❖ Delta benchtop lathe, electronic variable speed, 1.5hp Baldor motor, 12" x 44" \$500
- ❖ Vicmarc lathe VL100 mini 10" x 16", 1/2hp variable speed Leeson motor, with Bonnie Klein threading jig. \$500
- ❖ Magill Rose Engine lathe, Vicmar small chuck, 12" cross slide, Dremel model 400 variable speed tool, extra rosettes \$1200

#### Chucks

- ❖ 2 Large Vicmarc chucks each \$250
- ❖ Small Vicmarc chuck \$150
- ❖ 2 Oneway Strongholds each \$200
- ❖ 3 small nova chucks each \$100

#### Power tools

- ❖ Laguna Bandsaw model 18SE, 17" capacity, 5hp motor, extra 1 ¼" blades \$1650
- ❖ Rockwell bandsaw 14", 1 hp motor, \$450 extra blades
- ❖ Blador grinder 7" with two Wolverine systems 1800 rpm \$250
- ❖ Delta dust collector 1 bag, ¾ hp \$200

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- ❖ Eagle air compressor 5.6 CFM at 90 psi (Canadian) \$300
- ❖ Sand Rite (USA) Buffer/Sander 12" long arms 1725 prm 1hp \$300
- ❖ Craftsman ½ hp 3450 grinder 6" \$50
- ❖ Jet floor drill press (heavy industrial type) ¾" chuck, 12 speed, slotted table and two vices \$350
- ❖ Rockwell/ Delta 6" x 48 belt and 12" disk sander \$450
- ❖ Grizzly two bag dust collector 220vt \$150
- ❖ Delta planer 15" 2 hp 220vt \$500
- ❖ Delta table saw 10" 1.5 hp Biesemeyer fence, Forrest blade, two miter gages \$600
- ❖ Delta chopsaw 10" \$60
- ❖ Jet mortiser 1/2hp with square cutters, new \$150
- ❖ Makita metal cutting 12" chopsaw \$100
- ❖ Beltsander 2" x 72" on floor stand \$250
- ❖ 8" grinder (unk make) with floor stand \$50
- ❖ Baldor buffer ¾hp with two wire wheels \$200
- ❖ ProAire air compressor 1.5hp 3 gal \$50
- ❖ Porter Cable 6" skill saw \$75
- ❖ Floor vise, Wilton heavy duty with floor stand \$150
- ❖ Delta scroll saw 16" variable speed \$75
- ❖ Freud plunge router model FT 1000 E, brand new ¼" collet \$100
- ❖ Dremel flex shaft carver model 732, 1/5hp, with foot switch and reciprocating handpiece, box of burls and cutters \$150
- ❖ Dayton 8" grinder, new in box, ask Bob for price

## 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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[Rockler Woodworking & Hardware](#)

[Woodcraft Supply](#)

**Woodcrafters**

Carbide Saw

## CASCADE WOODTURNERS OFFICERS AND CONTACTS

President	Gary Sundquist	(503) 645-2231	<a href="mailto:GarySundquist@gmail.com">GarySundquist@gmail.com</a>
Vice President	Ken Kirkman	(360) 687-9866	<a href="mailto:kenpegkirkman@gmail.com">kenpegkirkman@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>
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Newsletter Editor	Jerry Klug	(541)550-6299	<a href="mailto:turningwood@bendbroadband.com">turningwood@bendbroadband.com</a>