#### THE OFFICIAL NEWSLETTER OF THE CASCADE WOODTURNERS

# **MAY 2015**

Please make sure that all content for the next newsletter reaches me by the 30th of May! turningwood@bendbroadband.com Thanks!

NEXT MEETING: 6:45PM, THURSDAY, MAY 21st AT WILLAMETTE CARPENTERS TRAINING CENTER

# Cascade Woodturners will be meeting at

#### WILLAMETTE CARPENTERS TRAINING CENTER

4222 NE 158<sup>TH</sup> Ave, Portland, OR 97230-4906

(For a map, click here <a href="http://mapq.st/108wBN0">http://mapq.st/108wBN0</a>)

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

# **Presidents Message**

Wanted to remind everyone about getting and using name tags. I have such a problem remembering names that if everyone used a name tag – I could say hello\_\_\_\_\_. And our club is very lucky because Phil Lapp sells a very professional looking name tag with a magnetic base for Cascade members for only \$6.00. You just need to provide him the money, your name and address at the club meeting. He plans on being at our May meeting so please think about it.

Based on the feedback I received and my own impressions our April club meeting was a great success. We had an excellent response from the members to demonstrate their gizmos, gadgets and gimmicks. Mike, Dave and Jim received \$10 gifts certificates for their presentations. The best simple idea, in my opinion, was Phil's kitchen wire basket he attached to his lathe to hold tools and things and not hold wood chips. It was an evening of fun that provided everyone with some tricks of the trade.

The May meeting will have an excellent local demonstrator, Nick Stagg. Nick specializes in teaching turning techniques. When he demonstrates he'd rather teach the skills to make a piece so that those in attendance have time to watch and ask questions. "I'd like them to be able to go home and make one, that's the biggest gratification I could receive." To quote Nick, "My aim is

to cut the wood as cleanly as possible in the easiest manner so that sanding and distortion of the finished piece is kept to a minimum. Skill building techniques are the essential building blocks of becoming a proficient woodturner. Turning is a very easy skill to learn if it's taught correctly. I enjoy sharing the skills I have with other turners." Nick turns everything, lidded boxes, hollow forms, all kinds of bowls, and an array of tureen. Keep your eyes open and be prepared to ask questions.

Circumstances have provided our club with a unique opportunity to host Soren Bergen from New Zealand. Soren's web address is <a href="http://sorenberger.co.nz/">http://sorenberger.co.nz/</a>. Soren is internationally known for turning thin walled lamp shades and fantastic multi-axis spoons. A great thing to check out on his web page is his technique for creating a sphere – it shows his talents in creating a simple techniques to turning a sphere – which for me is a real challenge to get correct. We will hold an all-day Demonstration with Soren on 19 June and a hands-on class with Soren on 20 June 2015. I will provide the opportunity for you to sign up starting at our April club meeting.

Our July club meeting will have Dan Tilden from Ashland, Oregon. Dan is a young and creative turner. See some of his creations at <a href="www.tildenwoodturning.com">www.tildenwoodturning.com</a>. Everyone will enjoy this evening with Dan.

Peter Gibson – President gibsop@yahoo.com 971-409-6022

#### DALE'S CORNER

Open shop May 30th. We had a good open shop in April. Pete showed how to make his golden ratio tool, we chained sawed some rough wood, turned a couple of natural edge bowls and sharpened some tools.

Everyone that got the chestnut from Dale in late January/ early February it has been identified as 100% certain it is castanea sativa (Spanish chestnut) by Sara Robinson.

I have about 10 feet of 4" flex hose for a dust system if someone can use it. Free to a good home.

At the April meeting we had a good program of showing what we use. I use wooden faces on my reverse chucks. We were running short of time so I didn't go into some of the detail on my reverse chucks. Oneway has two sets of large plate jaws, the jumbo jaws and the mega jumbo jaws. Nova has the Cole Jaws. I suspect the other manufacturers have similar items. When you get the large jaws from the manufacturer they come with eight rubber bumpers that can be put in different diameters on the plates. Take those off and throw them away. I have found that the rubber will leave dark spots in open pore light colored woods. Also they only hold the piece at 8 points around the rim. The big advantage of the wood jaws is that they hold the piece at 360 degrees with no give. The rubber bumpers have some give. And the wood jaws are quicker because you don't have to move the eight bumpers with different sized bowls.

A good question was asked at the meeting: What kind of wood do I use for the jaws. I generally

use red alder because it is the softest of the hard woods. I want the jaws on the chuck to be softer than the bowl I am working on.

I do not use one large piece of wood and cut it into pie shapes. This would give you end grain in two spots on the chuck. I take a 2 x 6 and cut pie shaped pieces on the table saw using 45 degree cuts. The grain of the wood jaw faces should be tangent to the chuck circumference. I then use two sided tape and screws to attach the wood to the metal jaws. At this time your wood jaws will be in a square shape. I put the chuck on the lathe and rotate it by hand using a pencil to mark the biggest diameter. I then bandsaw off the corners. I remount the chuck and turn the outside true round and round the two outside corners.

Next I open the jaws to half open. You can put scraps of wood between the jaws if you want or just turn the steps into the wood jaws without the scraps. If you turn the steps into the wood with the jaws completely closed, when you open the jaws all the way the steps will be out of round.

Each time you put the chuck on the lathe the steps may not run quite true. You can easily true up the wood step you need for the bowl you are finishing.

I have two main chucks set up, one for open formed bowls and one for closed form bowls. On my Nova chuck I have wood faces that I shape if I need a special shape to hold an unusual piece. These wood jaws last a really long time as only a minor cut is needed to true up for a bowl. A woodturner always needs more chucks!

**A note on safety.** The diameter of the jumbo jaws and mega jumbo jaws are bigger than your bowl. You have to turn the speed down. My Cole jaws have: 500 rpm max on them.

Dale

# **AAW NEWS**

This year's Symposium is June 26-28 in Pittsburgh. If you are planning to go and have not registered, I suggest you do so right away. We are expecting a very large number of participants and registrations are filling up. <a href="http://www.woodturner.org/?page=2015Pittsburgh">http://www.woodturner.org/?page=2015Pittsburgh</a>...

In a recent conversation, I was made aware of a great website for woodturners. <a href="http://woodturningvideos.weebly.com/">http://woodturningvideos.weebly.com/</a>. Jerry Hall (California) has gone through hundreds of woodturning videos and put together a site with links to videos you may find helpful. These are categorized by subject. This site makes it easy to find quality videos without having to sift through the myriad of titles on YouTube and other sites. In an ongoing process, Jerry evaluates videos and frequently updates the site.

If you have not joined AAW and are considering it, here are some reasons to consider. For the \$55 price of membership (\$45 for online), you will receive six issues of the *American Woodturner* per year. As a member, you will have online access to member portions of the AAW web site including *Woodturning FUNdamentals* (an online publication of tips, projects,

and informational articles), AAW teaching guides, *Let's Go for a Spin* (6-session lesson plan) and a number of other resources. Your membership will give you access to the AAW forum – view and upload woodturning photos, post questions and enter into discussions on a variety of turning-related topics. Members attend the annual symposium at a lower rate than non-members. You also will have access to the member directory so that you can find and contact other members. The AAW Chapter directory can help you find a club to visit when you are traveling. AAW provides liability insurance for members when performing the business of an AAW affiliated chapter such as Cascade Woodturners. Need more information? Contact me.

Kathleen Duncan

### SAFETY FIRST

#### **Breathing is Good**

Breathing is good. Happily, we usually do it automatically and mostly don't have to think about it. This article begins a discussion of issues woodturners should consider if they like not thinking about breathing.

The tiniest particles of wood dust cause the biggest problems. They get into the tiniest places in your body (like your mucous membranes and sinuses and the little folds on the inside surface of your lungs), and they may stay there a long time, maybe for as long as you live.

And sometimes those tiniest dust particles really annoy the cells in those tiniest places, and when those cells get annoyed, they may take it out on bigger parts of your body. If that happens it may become very difficult for you to breathe. Some kinds of wood dust can even cause cancer.

Now here's the hard part. If a woodturner started sneezing, hacking, coughing and sputtering for breath every time the turner got tiny particles of wood dust where they don't belong, I wouldn't have to write this article. I wouldn't have to because we would all know immediately whenever we screwed up and got tiny bits of dust in the wrong places, and we wouldn't need some dumb safety officer to write us an article about it.

But we don't start sneezing, hacking, coughing and sputtering for breath every time we get tiny particles of dust in the wrong places, so we don't always know when it happens. In fact, we can get a lot of dust in the wrong places and never notice... at first.

The dust that gets in those places can be just like the neighbor's dog poop on your lawn. The first few times you may not even notice. Then you notice, and say to yourself "dogs will be dogs." But about then tenth time you step in it, walk into the house and track it on the carpet, you get hopping mad. You have become "sensitized" to the dog poop.

Wood dust can sensitize cells too. Repeated exposure to bits of dust that didn't used to cause a problem all of a sudden can make your cells hopping mad. And those cells can't just go outside, scoop up the poop, and strangle the dog (or his owner). They just have to sit inside

your body, unable to get rid of the dust that has already come in, unable to stop more from coming in, and getting angrier and angrier.

If that happens to you, you will start having to think about your breathing, and that won't be fun. And that can happen to you, even though you have never had a problem with wood dust before. Repeated exposure can sensitize you.

In the June safety article for the Turning Times I'll talk about some things you can do to protect yourself. As you wait eagerly for that article, bear this one thing in mind: The dust from that local walnut we all love to turn is *particularly* toxic.

If you have questions about turning safety or other comments please send them to me at CWASafetyOfficer@gmail.com. I will research them and let you know what I find out.

Harvey Rogers

## SYMPOSIUM SCHEDULE

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

- Utah Woodturning Symposium 2014, Orem UT May 14th-16th, 2015
- Southern States XV Woodturning Symposium, Cartersville GA May 15th-17th, 2015
- AAW 29th International Symposium, Pittsburgh, PA June 25th-28th, 2015
- Woodturners of Olympia Symposium, Olympia, WA, July 25<sup>th</sup>, 2015
- SWATurners Symposium, Waco, TX August 21st-23rd, 2015
- 16th Rocky Mountain Woodturning Symposium, Loveland, CO September 18<sup>th</sup>-21<sup>st</sup>, 2015
- Turning Southern Style XXI Symposium, GAW September 18th-20th, 2015
- 7th Annual Wisconsin Woodturners Expo, Eau Claire, WI October, 2015
- Ohio Valley Woodturners Guild, Harrison, IN, October 9<sup>th</sup>-11<sup>th</sup>, 2015

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

# **MEETING SCHEDULE 2015**

DATE	DEMONSTRATOR	CHALLENGE
MAY 21	Nick Stagg	Hollow forms
JUN 18	Soren Berger	Boxes
JUL 16	Dan Tilden	Scoops
AUG 22	CWA 25 <sup>th</sup> ANNIVERSITY PICNIC	Phil Lapp's Home
SEP 24	Molly Winton (Note date change)	
OCT 15	Club Annual Auction	
NOV 19	Lloyd Dewerff	

#### **TIPS & TRICKS**

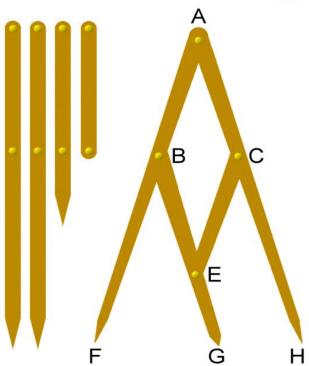
# Submitted by Pete Gibson **GOLDEN SECTION GAGE**

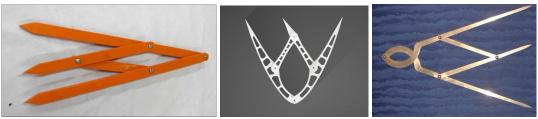
Attached below is the picture of the golden gauge I tried to show last month at the club meeting. The materials that you will need to make your gauge are ½ in by1/8 in inch material (I used aluminum) - cut the length of the arms of the gauge material longer than the size you want to make - for the 10inch gauge, you should cut your material to 11 inches long and then trim to length after construction. You also need the connectors you plan to use to hold the pieces together – I used 10/32 X1/2inch Phil Truss Machine Screws with 10/32 nylon insert nuts - you need this type of locking nut to hold the screw and nut together without having to over tighten the gauge arms. Stack drill the arm pieces to insure the holes line up exactly.

The calculations for lengths of gauge members - AF=AH= from mid hole to point  $AF \times 0.3819 = AB$ , AC, BE, CE 250mm  $\times 0.3819 = 95.5$ mm - from mid hole to mid hole CE/0.619 = BG 95.5/0.619 = 154.2mm from top mid hole to point

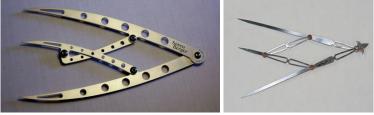
# Golden Section Gauge

AF = AH = 340mm BG = 210mm AB = AC = BE = CE = 130mm EG = 80mm



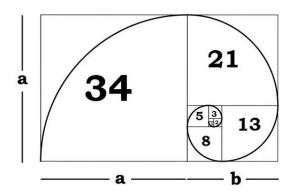


Golden section calipers you can use that have lots of flair.



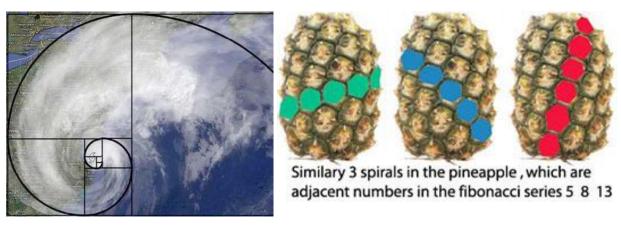
GOLDEN SECTION GAGE WHAT IS IT & WHAT IS IT USED FOR???

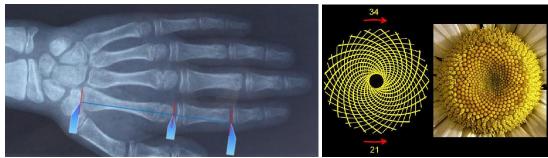
The Golden Section is also referred to as Phi, the Golden Proportion, the Golden Ratio and the Fibonacci sequence. In practice it is the ratio 1:1.6180. This relationship of 1 to 1.618 is found in design and in nature as not only pleasing proportions to look at but also in items we view all around us. If you Google any of the above names this proportion is called, you will find examples from Greek architecture to the shape of cola bottles. It is even found in the spiral patterns of sunflower seed heads to the design of corsets. The spirals of the Nautilus sea shell is an often used example as is the pattern of the texture of a pineapple. In the "Fibonacci" sequence of numbers each number is the sum of the two previous numbers, starting with 0 and 1. This sequence as follows: 0+1=1, 1+1=2, 1+2=3, 2+3=5, 5+8=13, 8+13=21, 13+21=34, 21+34=55,34+55=89, 55+89=144, 144+233=377, 233+377=610, 377+610=987, on and on as far as one desires to go. The higher up the sequence, the closer two "Fibonacci Numbers" of the sequence "divided-by-each-other" will approach the "Golden Ratio" or approximately 1:1.6180.





Each square of the Fibonacci spiral has the sum of the two previous squares to form its side. This spiral is visual in a great number of natural forms.





Where wood turners use ratio is in designing the shapes we turn. Furniture designers may use this ratio for the shape of tables, chairs or davenports. Look at classic Grecian urns and the height and width as well as the ratio to the narrowest point to the widest point will be a Fibonacci ratio. That widest point will probably be **1:1.618** of the total height.

In nature this relationship is found in the branching of leaves from a stem of some trees, the number of flower petals (iris -3 petals, primrose -5 petals, ragwort -13 petals, daisy -34 petals...).

Now if you want to really recognize the value of this number, you can celebrate phi day on June 18<sup>th</sup>. That date is 6-18 and 618 is the reciprocal of 1.618. On June 18<sup>th</sup> would be a good date to turn a vessel with Golden Mean of Fibonacci ratio proportions.

# **MEMBER NEWS**

Just to let everyone know I am actually alive and doing well after my recent surgery. It was sure a wakeup call! Something I guess we all (including myself) should think about especially with respect to our wood turning hobby. I got to thinking what would my wife have done with all my equipment, tools and wood should my outcome had been less than optimum. Because of these thoughts, we have since discussed where and to whom the various parts of my hobby should be distributed in the future should the need arise. It certainly wouldn't hurt if all of us took the time to make some plans for the future in the event of an unplanned occurrence.

On a lighter note, I hope to be back in the shop wood turning in four to six weeks. I also hope to be able to attend our next monthly meeting and thank you all in person for your support and good thoughts.

Skip Burke

Multnomah Arts Center has decided to turn one of their "temporary" buildings into a wood shop. Other than woodturning and small children's workshop, it isn't determined yet what kind of wood classes will be held there. Russ Coker and I are in process of putting down plywood flooring right now. We will also be building some moveable stands for the lathes as well as some basic cabinet work for storing various items. If you are interested or willing to participate in this Volunteer project, please give me a call at 503 577 6909. Thanks for your consideration.

Jerry Harris.

# **QUICK LINKS:**

There is a listing of web links used by club members in the "Resources" section of the web site <a href="http://www.cascadewoodturners.com/resources.htm">http://www.cascadewoodturners.com/resources.htm</a>. 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. <a href="mailto:turningwood@bendbroadband.com">turningwood@bendbroadband.com</a>

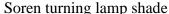
# **COMING EVENTS**

May 14<sup>th</sup>-16<sup>th</sup> – Utah Symposium, Orem, Utah

June 11<sup>th</sup> - Willamette Valley Woodturners – Soren Berger, Demo & Class

June 18<sup>th</sup> – 20<sup>th</sup> – Cascade Woodturners - Soren Berger, Demo & Class







Soren Scoop



Finished lamp shade

June  $25^{th} - 28^{th} - AAW$  Symposium, Pittsburg, PA

July 16<sup>th</sup> – 18<sup>th</sup> – Cascade Woodturners, Dan Tildon Demo, <u>www.tildenwoodturning.com</u>



Dan Tildon's work

 $\label{eq:July 25th} July~25^{th}-Olympia~Symposium~with~Richard~Raffan,~\underline{http://www.woodturnersofolympia.org/2015-symposium-and-workshop-schedule.html}$ 

Aug 22<sup>nd</sup> – Cascade Woodturners Picnic, Sherwood, OR

Sept 24<sup>th</sup> – 26<sup>th</sup> – Cascade Woodturners – Molly Winton, Demo & Class

Oct 15<sup>th</sup> – Cascade Annual Auction

# **DEMOS - CLASSES - SEMINARS**

Multnomah Arts Center: Multnomah Arts Center in SW Portland continues to have woodturning classes. Check their catalog or phone 503 823 2787. You can goggle their website for the catalog. Classes will be a one day class on July 11 and a two day class on July 18 and 25. Classes are from 9am to 2pm and for more information, contact the Art Center. The main instructor is Jerry Harris. Franklin High School Classes: There will not be turning classes at Franklin High for at least two years. Anyone interested in 1-on-1 lessons in my shop in eastern Damascus should feel free to contact me: phone number is 503-658-3409 and email is "howardborer@yahoo.com".

Rockler Woodworking 503-672-7266, www.rockler.com

• What's Turning Day: Pen Turning Demo, Sat May 9<sup>th</sup> 11AM

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

- Turning A Lidded Box by Tim Kluge, \$150, Sat, May 16<sup>th</sup> 10:00-4:00
- Pen Turning, \$40, Sun May 31st, 12:00-3:00
- Beginning Lathe Turning by Tim Kluge, \$125, Sat, June 13<sup>th</sup> 10:00-4:00
- Basic Bowl Turning by Tim Kluge, \$125, Sun June 14<sup>th</sup> 10:00-4:00
- Turning A Lidded Box by Tim Kluge, \$150, Sun, June 28<sup>th</sup> 10:00-4:00

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

Woodturning by Fred Kline, May 30<sup>th</sup> – 10AM to 3PM

#### **COMPANY STORE**

Jim will be out of town during the March meeting and the store will be closed. Try to anticipate what additional supplies you may need to last until the April meeting and stock up at the February meeting. If a number of members want a certain item, and we could be low on it. Please contact Jim Piper, (503) 730-0073 <a href="mailto:jimpiper@me.com">jimpiper@me.com</a> a week ahead of the meeting so he could verify it is not out of stock and set it aside for you.

Company Store Item	Price
Accelerator (for Cyanoacrylate adhesives/CA), sprayer, 8 oz	\$7.00 each
Anchor Seal, one gallon	\$14.00 each
Cyanoacrylate adhesives/CA Thin, Medium & Thick, 2oz bottles	\$5.75 each bottle
Sandpaper – Finkat (for dry sanding)	\$0.75 each sheet
Sandpaper, Klingspoor alum/oxide w/heavy cotton cloth	\$1.25 each sheet
backing suitable for wet sanding (80, 100, 120, 180, 220, 320 & 400 grits)	
Walnut Oil - filtered, 16 oz	\$4.00 each

There are still a few chem-proof spray bottles available

#### **CWT MENTORS**

Cascade Wood Turners has a mentoring program and the member turners providing assistance are listed in the "Resources" section of the club's web page <a href="http://www.cascadewoodturners.com/resources.htm">http://www.cascadewoodturners.com/resources.htm</a>. 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 <a href="mailto:turningwood@bendbroadband.com">turningwood@bendbroadband.com</a> and I will add you to the list!

# **CLASSIFIEDS**

To place or continue an ad, contact Jerry Klug at <a href="mailto:turningwood@bendbroadband.com">turningwood@bendbroadband.com</a>. 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: Ryobe Chain Saw – Contact Skip Burke (503) 233-4263 drgramp@comcast.net

FOR SALE: #1 Kell Mcnaughton Center Saver (old style): gently used this is a big and a small set, it is complete asking \$250.00, 4" Faceplate: steel,1 1/4"x8 threads asking \$30.00 Penn State Chip Extraction Blower; gently used Tempest 2 (Red Paint), 2 HP, 12" impeller, muffler, 2 cartridge air filters,1 small paper collection can, one metal garbage can, wall mount bracket, all piping and blast gates go with asking \$600.00 Jet air cleaner; Used little # AFS-1000B, w/remote, 3spd, 3 time setting asking \$200.00 Neil Fraedrich (503) 655-7767 neilglor@comcast.net

**FOR SALE:** I am retiring from the wood business and have a stubby lathe to sell. I bought the lathe from John Jordon at the Tacoma AAW. It's a great lathe but I am not using it anymore. I have about 20 various chisels, Axminster 4 jaw, two center steadys, extra side bed, bed extender to 5' 2", lots of faceplates, I'm asking 5k, John Dickinson 541 459 5752





**FOR SALE:** Oregon Burl and Blank

-Hardwood and softwood burls -Hollow form turning wood -Pen blanks

-Bowl blanks -Cut to order

Recently sold and/or current material - Douglas Fir root burl, Maple burl slabs, Cherry burl bowl blank, Madrone pen blanks, dimensional rough sawn Cherry boards, Madrone, Pacific Yew , Oregon White Oak, Black Walnut , Oregon Ash

For pricing and pictures call Brandon Stadeli 503-409-5677 <u>brandonstadeli@yahoo.com</u>

**FOR SALE:** Over 18 tons of interesting turning wood logs and chunks in Vancouver;

Apricot Carob Magnolia

Avocado Cherry Maple (big leaf)
Black locust Elm Maple (hard)
Black walnut English laurel Norway maple

Blue spruce English walnut Ornamental mulberry

Bottle brush Juniper Camphor (Calif. Bay Laurel?) Liquid amber

Tim also has dried boards and blanks for turning of; *Mahogany, Olive, Chestnut, Redwood, Walnut, Maple, Oak, Purple heart and more.* Tim also has some *rocks and fossils for accents.* View an interview of Tim at <a href="http://youtu.be/d51wpml80f4">http://youtu.be/d51wpml80f4</a>

Prices are about half of retail (i.e. Cook Woods or Craft Supply). Contact Tim at <a href="https://www.wtsmall@centurylink.net">wtsmall@centurylink.net</a> 360-989-7721.

# **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 <a href="http://www.cascadewoodturners.com/sponsors.htm">http://www.cascadewoodturners.com/sponsors.htm</a>.

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Happy Woodworking to you! Les and Susan!

