#### THE OFFICIAL NEWSLETTER OF THE CASCADE WOODTURNERS

# **May 2014**

Please make sure that all content for the next newsletter reaches me by the 5th of June! turningwood@bendbroadband.com Thanks!

NEXT MEETING: 6:45PM, THURSDAY, MAY 22<sup>nd</sup> AT FRANKLIN HIGH SCHOOL

5405 SE Woodward St, Portland, OR

## PRESIDENTS MESSAGE

It's May and summer is just around the corner. We had a taste this week and it was great. Having Mike Jackofsky here to demonstrate and teach was fun. He brings a lot of energy and enthusiasm to turning. You can see that he enjoys what he is doing and likes to share that with others. Both the meeting time and the all-day demo had a wealth of information.

As we turn from the colder weather to the warmer, we will also be shifting some the focus of our demonstrations. The survey results last year had two peaks as to areas that you were interested in. One was on hollow vessels - bowls, boxes, and hollow forms. The other was on embellishing and changing the appearance of the turned item. This month we have Jim Hall as our presenter. Jim has a lot of turning experience and creates a very diverse range of beautiful objects. He often has items to share with us and they show a depth of technical skill as well as creativity to inspire the imagination. His focus for the presentation will be on embellishments on the piece.

Be safe and enjoy what spring has to offer. Looking forward to seeing you all at the meeting.

Peter Morrell (971) 506 – 4770 MorrellPete@gmail.com

# **DALE'S CORNER**

Open Shop in April had 12 turners here. We did lots of chain sawing, several members roughed out bowl blanks from the chain sawed pieces. Steve showed how to turn a long handled spoon. One hollow form was turned. We will have open shop Saturday May 24th. Bring your tools and an idea.

The Phoenix AAW Symposium is getting closer and I will take this opportunity to encourage you to go to. There is a great line up of demonstrators, and for those of you who need one more tool, a great vendor show. The next couple of years will be back towards the east coast. The AAW website for the symposium is <a href="http://www.woodturner.org/page/2014PhoenixHome">http://www.woodturner.org/page/2014PhoenixHome</a>. This is the last time it will be in the Western US for at least four years so sign up and enjoy the show.

Thank you.

Dale woodbowl@frontier.com

# TREASURER'S REPORT

The treasury now has over \$11,000 in the bank, we are a gross of members (that's 144 members not members that are gross) and we just purchased the two-disc DVD set by Mike Jackofsky on Making a Hollow Vessel.

# **MONTHLY CHALLENGE**

The May challenge is to turn a hollow form with a reasonably small entry hole.

# SAFETY FIRST

This month we have a reprint from the San Diego Woodturners newsletter:

# Cyanoacrylate (CA) Adhesives Applications in Wood Turning By Brian S Saunders

Cyanoacrylate (CA) glue is the generic name for a group of fast acting, strong acrylic adhesives. Ethyl and methyl cyanoacrylate are commonly used CA adhesives in general and in woodworking applications. Manufactures use proprietary additives to alter the properties of the adhesives and/or to extend shelf life. Common commercial names include Super Glue, Krazy Glue, Insta Glue, Stick Fast and others. These adhesives have broad industrial, hobby, medical, veterinary and household applications. I will confine this article to a discussion of safety issues in working with CA adhesives, CA glue accelerators, CA glue de-bonders and their application in wood turning.

#### **SAFETY**

I am starting this discussion about CA glue with safety because there are significant safety issues in working with this family of adhesives. CA glue is classified as non-toxic or of low toxicity by many manufacturers because <u>cured</u> product is inert, but DO NOT BE MISLED! Liquid CA glue is nasty stuff and care must be taken when working with

it! That said, I believe that Cyanoacrylate Glue is safe to work with when appropriate safety measures are ALWAYS followed.

- Always read the safety and caution information that comes with the products that you are using.
- Always store in closed containers and keep safely away from children.
- CA glues, CA glue activators and CA glue de-bonders are flammable and releases toxic fumes when burned.
- Do not smoke when using any of these products and keep them away from an open flame.

#### **EYE PROTECTION:**

ALWAYS use eye protection when working with CA glue! Full face shields are recommended. CA adhesives are severely irritating to the eye. CA glue is water activated and bonds instantly to eye glasses, eyes and contact lenses. CA glue fumes are irritating to the eyes. Do NOT HEAT CA glue as this increases the toxic fumes. Always work with CA glue in a well ventilated area so that the fumes are blown or sucked away from people.

Avoid "Pen Turner's Glasses"-Most eye glass lenses are made of plastic. CA glue will bond to these lenses and <u>CANNOT</u> be removed (Ask me how I know)! Eye glasses are expensive! <u>Always wear a face shield to protect your eyes and eye glasses when working with CA glue.</u>

#### **VAPORS:**

<u>CA glue vapors are irritating to mucous membranes and to the lungs.</u> CA glue vapors can trigger severe asthma attacks and difficulty breathing. About 5% of the population can become sensitized to CA adhesive fumes after repeat exposure and develop flu-like symptoms. **Do NOT breath CA glue fumes!** 

Always use CA glue in a well ventilated area and limit your exposure to the fumes as much as you can. Use a fan to blow the CA glue fumes away from yourself, other people and animals. Or use a vacuum system to suck fumes away from you. This is especially useful when applying CA glue finish to pens and small objects.

#### SKIN REACTIONS:

CA adhesives are irritating to the skin and may cause allergic skin conditions. It is best to avoid contact with your skin. With careful use, it is possible to minimize contact with the skin.

#### **CA Glue and Heat Production:**

Be aware that CA glue reactions are exothermic (heat generating). Some CA glue reactions generate enough heat to cause significant burns and a few can even cause fires. These exothermic reactions also release tissue irritating fumes.

CA glue reacts with cotton and some natural materials such as leather and wool in a rapid and very strong exothermic way that may produce serious burns and fire. The CA glue reaction with cotton products may generate enough heat to cause burns, release toxic fumes and ignite into flames. **Do not wear cotton or wool clothing, and especially do not wear cotton gloves when working with CA glue.** Test paper towels before using them with CA glue. Place a drop of CA glue on the paper towel and observe the reaction. If the paper towel smokes do not use it with CA glue. Try another brand.

#### **CA GLUE ACCELERATORS:**

Accelerators are used to speed up the bonding and curing process of these already fast acting adhesives. Acetone and other chemicals are used in commercially available accelerators. All CA glue accelerators are highly flammable; irritating to the skin, eves and respiratory system and may cause systemic toxicity when adsorbed through the skin or respiratory system. These systemic effects may include dizziness, drowsiness, loss of consciousness and damage to lungs, liver and kidneys.

Always use CA glue accelerators in well ventilated areas, do NOT breath the fumes and avoid contact with the skin.

#### **CA GLUE DE-BONDERS:**

De-Bonders dissolve cured and un-cured CA glue. Acetone is the classic de-bonder, but other chemicals may be present in commercial de-bonders. All CA glue de-bonders are highly flammable; are irritating to the skin, eyes and respiratory system and may cause systemic toxicity when absorbed through the skin or inhaled. These systemic effects may include dizziness, drowsiness, loss of consciousness and damage to lungs, liver and kidneys.

De-bonders may be used to remove CA glue from skin, but remember, de-bonders are toxic to humans and are absorbed through the skin. It is best to use appropriate caution when working with CA glue and not get CA glue on your skin!

Always use CA Glue De-bonders in well ventilated areas, do NOT breath the fumes and avoid contact with the skin. If used on your skin, wash the area immediately after successful separation.

# **CA Adhesives Application in Wood Turning**

Ok, finally it's time to discuss some of the many ways that Cyanoacrylate Adhesives may be used in wood turning.

#### **Shelf Life:**

CA Glue has a short shelf life. For this reason we order relatively small amounts frequently, in order to assure fresh product for club members.

When stored <u>unopened</u> in a refrigerator, CA Glue will last for about 2 years. Because CA glue is very moisture sensitive, it is recommended that the glue be allowed to come up to room temperature before the container is opened in order to avoid moisture from condensation.

If the CA glue will be used within 6 months it may be kept at room temperature in the shop.

Sealed, unopened Ca glue may be stored in a freezer indefinitely. Allow the CA glue to come to room temperature before opening. Do not re- freeze after thawing as condensed moisture will ruin the glue.

#### **Viscosity and Set-up Time:**

Viscosity refers to the thickness of CA glue. CA adhesives set quickly. As a general rule, the thinner the CA glue the faster it sets. Said another way, the thinner the CA glue the shorter the working time to align the pieces being glued. Conversely, the thicker the CA glue the slower it sets and the longer the work time. For example, when gluing pen tubes into blanks, thin CA glue would be a poor choice as it will usually set up before the tube is in position in the blank. Thick or gel viscosity CA glues have long enough set times to permit proper alignment of parts.

#### **Gap Filling Properties:**

CA glues have poor gap filling properties. However, CA glues may be mixed with sawdust, shavings, powdered stone, metal filings, etc, to fill gaps.

Baking soda may be used to fill a gap and then CA glue may be dropped into the baking soda to form a hard lightweight filler. This works especially well with porous materials. **Caution!** The reaction of baking soda mixed with CA glue is very exothermic (heat producing) and releases noxious gas. Attempt this technique only in well ventilated areas and always wear a face shield.

#### Wicking:

Wicking or capillary action is the ability of a liquid to flow, unaided, into narrow spaces. For example, wood turners want good wicking ability to flow CA glue into cracks. Thin CA glues wick very well, while thick and gel CA glues wick little or not at all.

#### **Bond Characteristics:**

CA adhesives produce very strong bonds. There are however, some limitations.

As opposed to many other adhesives, a very thin layer of CA glue is more effective than a thick layer.

While CA glue produces very strong bonds, it has relatively poor shear strength. This means that a lateral (from the side) force can break the bond. This property is useful in wood turning as work pieces can be glued to glue blocks and removed relatively easily with lateral force. Most CA glues form very brittle bonds. This can lead to joint failure, especially when lateral force is applied.

Flexible (rubberized) CA glues are available. These formulations reduce brittleness and improve shear strength.

#### **Heat Resistance:**

CA glues are not high heat resistant. CA glue will "melt" on exposure to heat at levels that may be generated from sanding and polishing operations.

# **MEETING SCHEDULE 2014**

DATE	DEMONSTRATOR	CHALLENGE
MAY 22	Note Date Change Jim Hall	Hollow Form
JUN 19	TBAL	
JUL 17	Graeme Priddle	Turned Bird House (real or ornament)
AUG 21	Tool Swap	Tool Swap – No Challenge
SEP 18	TBAL	
OCT 16	Auction	No Challenge
NOV 20	Stephen Hatcher	Christmas Ornaments

Note some open spaces for our local turners to demonstrate

# **APRIL MEETING**

Mike Jackofsky demonstrated his method of turning hollow forms. Mike showed us his method of hollowing through a small entry hole. The two most important issues that I heard were working in smooth steps and frequently blowing out the chips from the vessel. Mike also emphasized form tool control as well. The establishing wall thickness and using the finished inner surface to lightly pick up the cut for the next deeper wall cut allowed Mike to minimize the use of a caliper to rough the form. He did use his caliper when approaching final thickness. Mike cautioned that if you do not remove the chips from the hollow form frequently they will pull your cutter and the catch can destroy your turning and maybe your day. Those chips are spun to the outside of the hollowed area by centrifugal force leaving no room for the cutter head. Something has to give as there isn't enough room for the cutter and the catch could be violent. Mike often repeated that without good form the turning is just a turning. His pieces may become much smaller than the original wood blank as he selects form over size. He will reset the tail stock center to optimize form and grain display even if the finished piece is smaller.





At the all day demo Mike turned a bowl using the same procedure as he uses on hollow forms to demonstrate what the tool is doing inside the hollow form. Mike also has developed special hollowing tools that are made by Hunter Tools as well as a very useful caliper set. See more examples of Mike's work at his web site <a href="http://www.mikejackofsky.com/">http://www.mikejackofsky.com/</a>.

# **MAY MEETING**

Jim Hall's demonstration will not be the typical demo; it is more of a lecture as compared to what you usually see at your monthly meeting. It will be focusing on how to do embellishments on the turned wood, not the turning of the wood. Jim will be showing processes beyond turning. He will also be showing tools he uses and how to use them for the purpose of developing other artistic forms or embellishments on the turned form. However, there will not be time to get into the details of each different type of embellishment that Jim puts on a turning. So this demo will be a "once over quickly" of a number of embellishment ideas.

# **COMING EVENTS**

July 17<sup>th</sup> - Cascade Woodturners – Graham Priddle (watch for class info)
July 26<sup>th</sup> - 2014 Creativity in Woodworking Symposium – Nick Stagg and Richard Raffan demonstrating, Woodturners of Olympia, Lacey, WA, Contact Al Price 360-791-0396
July 27<sup>th</sup>-30<sup>th</sup> - Woodturners of Olympia – Richard Raffan hands on classes

# **SPALTING INFO VIDEO**

If you are interested in either spalting your own wood or what that spalted coloring is all about in your wood, take a look at this video. **The Intricacies Of Spalting: A Master Overview By Spalt Expert Sara Robinson Ph.D**. Just control click on the title to see the video produced by Northwoods Figured Woods.

# **ADOPTION NOTICE**



Harrison Union Graduate created in the 1950's in the village of Heckmondwike, Yorks. This 500 lbs of cast iron has traveled a long way to rest in my shop along side the 3520B. I will have to develop my bowl turning skills to complement the potential of this classic English bowl lathe.

Jerry Klug

#### **DEMOS - CLASSES - SEMINARS**

**Multnomah Arts Center** 503 823 2787 Jerry Harris is the instructor at upcoming turning classes at Multnomah Arts Center for ages 16 and up. The dates are May 3<sup>rd</sup> and 10<sup>th</sup> for the two day class. The times are from 10am to 2pm for all classes. To enroll, call MAC. The cost is \$50 for the single day session and \$90 for the two day session. All tools and materials are provided.

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

• What's Turning Day, May 31st, 11:00

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

- Dr's Woodshop Finishes Demo by Mike Meredith, Sat May 10<sup>th</sup>, 10:00 2:00
- Pen Turning Time Demo, Sat May 10<sup>th</sup>, 1:00 2:00
- Yo-Yo Turning, \$125, by Colin Leland, Sun May 11<sup>th</sup>, 11:00-3:00
- What On Earth Is Treenware? demo by Jim Green, Sat May 17<sup>th</sup>, 1:00 2:00
- Beginning Lathe Turning by Tim Kluge, \$125, Sat May 17<sup>th</sup> 10:00-4:00
- Basic Bowl Turning by Paul Rasmussen, \$125, Sun May 18<sup>th</sup> 10:00-4:00
- The Wolverine Sharpening Jig demo, Sat May 24<sup>th</sup>, 1:00 2:00
- Treenware Heirlooms by Jim Green, \$125, Sat May 24<sup>th</sup>, 10:00-4:00
- Pen Turning, \$40, Sun Jun 1<sup>st</sup>, 12:00-3:00
- Beginning Lathe Turning by Tim Kluge, \$125, Sat Jun 28<sup>th</sup> 10:00-4:00
- Basic Bowl Turning by Paul Rasmussen, \$125, Sun Jun 29<sup>th</sup> 10:00-2:00
- Turning Wooden Spheres by Mike Meredith, \$125, Sat July 5<sup>th</sup>, 10:00-4:00
- Pen Turning, \$40, Sun July 6<sup>th</sup>, 12:00-3:00
- Square Edge Bowl Turning by Tim Kluge, \$150, Sun, July 27<sup>th</sup>, 10:00 4:00
- Yo-Yo Turning, \$125, by Colin Leland, Sat, Aug 2<sup>nd</sup>, 10:00-2:00
- Beginning Lathe Turning by Tim Kluge, \$125, Sat Aug 16<sup>th</sup> 10:00-4:00
- Bowl Turning Basics by Tim Kluge, \$125, Sun, Aug 17<sup>th</sup>, 10:00 4:00
- Turning Wooden Spheres by Mike Meredith, \$125, Sat Aug 23<sup>rd</sup>, 10:00-4:00
- Pen Turning, \$40, Sun Aug 24th, 10:00-3:00

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

• Segmented Woodturning Demo by Joseph Stanchfield, Sat. June 7<sup>th</sup> 10:00 – 3:00

# **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 <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!

# **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>

## SYMPOSIUM SCHEDULE

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

- Utah Woodturning Symposium 2014, Orem UT May 16-18, 2014
- AAW 28th International Symposium, Phoenix AZ, June 13-15, 2014
- Woodturners of Olympia, Olympia WA, July 26, 2014
- Turn On! Chicago, Mundelein, Ill, August 15-17, 2014
- SWATurners Symposium, Waco, TX August 22-24, 2014
- Ornamental Turners International Symposium, Columbus OH September 2014
- 15<sup>th</sup> Rocky Mountain Woodturning Symposium, Loveland, CO September 12-14, 2014
- Turning Southern Style XX Symposium, GAW September 19-21, 2014
- Segmented Woodturners Symposium, San Antonio, TX October 16-19, 2014
- 6<sup>th</sup> Annual Wisconsin Woodturners Expo, Eau Claire, WI October, 2014
- Ohio Valley Woodturners Guild, 2015
- Oregon Woodturning Symposium, Albany, OR, March 6-8, 2015

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

# **COMPANY STORE**

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 and Thick, 2oz	\$5.75 each bottle
bottles	
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

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

# **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:** JET 1442 VS lathe – It has mechanical variable speed, the headstock slides and rotates, 14" swing and 42" bed. The lathe is in very good condition with the normal original accessories. Total weight is approximately 420 lbs. Price: \$750

Delta model 46-250 midi lathe with bed extension and includes all normal original accessories. Lathe is in very good condition, bed extension has never been set up. Price: \$225





Larry Germann – 503-789-4670

**FOR SALE:** Delta midi lathe in pristine condition. My wife tried it for an hour or two, decided turning wasn't for her, covered it with a sheet and walked away. It comes with a Talon chuck and an 11" tool rest besides all the normal stuff. The lathe is \$699 new and the chuck is \$230 new and the long tool rest is \$15: total value \$944. I'll sell the package for \$725. If interested, call Howard at 503-658-3409 or email me at <a href="https://howardborer@yahoo.com">howardborer@yahoo.com</a>.

**FOR SALE:** The cover of American Woodturner two issues ago had a picture of a bunch of finials and there was an article about turning them. It included a description of a very handy gadget that fits in the tailstock and has a bearing in the end that supports the tip end of the finial after you've turned it. I've made two of the 3/16" and two of the 1/4" sizes. They are for sale for \$40 each. I'll have them at the May meeting so find me if you have any interest. howardborer@yahoo.com

**FOR SALE:** Heavy duty Jorgensen bar clamps. The 7200 series clamps with the steel Ibar. The 24" ones are \$20 each, the 36" and the 48" ones are \$25 each. Contact Howard Borer if interested. howardborer@yahoo.com

**FOR SALE:** 5hp Baldor super efficient motor, 230-460 volt with inverter/ variable frequency drive, hand-off-auto disconnect and contactors in dust proof and filtered enclosure. The VFD is a Titan CI-005-G4. Cerus is the manufacturer of Titan drives. Perfect for building your dream lathe! Top quality American union made parts, cost over \$1500 new. Make a reasonable offer. Professional Electrical installation also available. Email evonbeck@gmail.com





**WANTED:** New Wood Turner looking to buy your old neglected wood turning tools. Hoping to find HSS spindle gouge, bowl gouge, roughing gouge and parting tool. Contact Reid at 720-236-4968 or reid.lustig@gmail.com

**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.

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.

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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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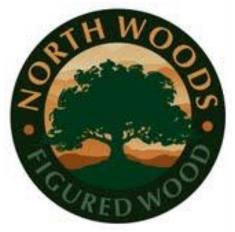
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Happy Woodworking to you! Les and Susan!