



# NEWSLETTER

**AAW**

AMERICAN ASSOCIATION  
OF WOODTURNERS

Ray Deyo

Turning a hollow vessel



The demo started with Ray describing what turning a hollow vessel consists of, that is, when the turning has a cavity with an interior diameter larger than that of the rim (or opening). Usually solid blocks of wood are mounted with long grain going from drive center to tail center, parallel to the lathe bed as in spindle mode. Because of the interior diameter being larger than that of the rim, (and a sometimes a very small rim opening), most of the tools such as the popular bowl gouges used to remove the interior will not work. It has been found that scrapers with quite small sized tips work effectively. Also these small scrapers need to be bent (curved near the tip) to reach some of the areas near the rim

and side walls of the vessel. For this there has evolved three basic shapes of these tools. One is straight, another with a slight bend, and a third with a more severe bend to get into the neck or opening of the vessel. Some tool makers provide a way to move the cutter position which can achieve the various tool shapes. Several tools and their special features used for turning hollow vessels were displayed and described.

Ray also described the relationship between the depth of the vessel and the length of the tool. Small/short vessels can be worked effectively with short tools. Deeper/taller/larger vessels require longer and perhaps stouter tools. However all of these tools have the same small and similar shaped cutting chisel. The point is that no matter what size of the vessel, the same amount of wood is being removed with each pass.

It suggested that the shavings be removed often since with small rim opening the shavings collect where one is trying to shape the interior there no place for them to go and they can become packed up in the area being worked.

The demo continued with Ray showing that the outside of the turning needed to be turned to the final shape before working the interior. With that done, a started hole is drilled down the center, usually  $\frac{3}{4}$  inch, best with a forstner bit. The bottom of the hole should be near the bottom, leaving enough material for the final shape of the vessel. Later this could be made deeper and with a smaller bit if necessary. Shaping the interior started by nibbling just inside the opening at the rim and continues down the side working from the center hole to the side wall of the vessel.

The demo piece had a fairly large hole that went through the middle of vessel perpendicular to the center. This hole gave the viewers an “x-ray” view of the interior being shaped (see photos).



### Tips for Turning Hollow Forms

- 1) **TOOL REST:** When using curved shape hollowing tools, the tool rest should be positioned behind the curve and on the straight shank of the tool. This avoids the tendency of tool roll.
- 2) **SHARPENING:** Sharpen often. Hollowing tools are scrapers. The edge between the front bevel and top of the cutter must be crisp. Don't take the cutter to a grinder – use a sharpening stone to flatten the top
- 3) **PRE DRILL:** When initially starting the hollow form, drill a hole almost to the depth of the final desired thickness. This will eliminate the difficulty of cutting the difficult center of the turning, provide a starting point for the cutter and speed up the overall process. Measure the depth of cut from the center point of the forstner bit.
- 4) **VIBRATION CONTROL:** To reduce or control vibration, increase the lathe speed, raise the tool rest slightly or take a smaller cut. Always cut with the tip of the cutter as the side will cause the tool to start vibrating. As the depth increases, a thicker tool and/or steady rest will be necessary.
- 5) **ENTERING/EXITING THE VESSEL:** Great care should be taken when entering or (in particular) exiting the vessel. The cutter typically extends beyond the tool and can catch the side of the vessel quickly.
- 6) **TOOL CONTROL:** Maintain control of the tool with a firm grip. The hollowing process wants to roll the tool over in your hand which will be disastrous.
- 7) **TOOL POSITION:** DO NOT allow the tool to rub against the vessel opening while cutting. If a catch occurs, the mouth of the vessel will crack or shatter.
- 8) **CUTTER ORIENTATION:** The cut is generally performed at the tip of the cutter.
  - a. Apply the cutter at mid-point or slightly above. If the cutter is applied below center line, the shape of the vessel can actually rub the tool bevel causing the tool to cut into the material causing a significant catch.
  - b. A typical cut is about 1/8 inch. The heavier the cut, the more the vibration and poorer the quality. Excessive vibration can cause loss of tool control.
  - c. The cutter tip must be pointed (aimed) in the direction of the cut as it relates to wall orientation. This will help keep you in tune with what is happening inside the hollow form. As the curvature of the vessel changes, so does the cutter orientation. Not paying attention to this can cause unwanted penetration through the side of the vessel.
  - d. As you penetrate further and have the ability, try to position the cutter in a slightly downward orientation by raising the tool rest and slightly rotating the tool thereby causing a shearing action instead of a scraping (tearing) action. It will help control vibration.
- 9) **FACE VS. END GRAIN:** Whenever possible, cut "downhill" inside the vessel. Face grain is easier to cut than end grain.
- 10) **"WORK" THE VESSEL:** Work the vessel from front to back. As you penetrate deeper, establish and maintain your final wall thickness in half inch increments. The vessel will move out of round the deeper you go and returning to the thinner areas will create uneven thicknesses and can cause the vessel to vibrate and possibly crack.

**S   b   o   w   a   n   d   T   e   l   l**



Jim Zorn  
Oak pencil-paper clip box



David Gray  
Mahogany bottle opener



David Gray  
Mushroom  
Holly (forestry Project)



Royal Wood  
Candle stick  
Sycamore

**S   b   o   w   a   n   d   T   e   l   l**



Robert Gundel



Jim Bumpas  
Tall Box  
Forestry Project



Bob Silkenson



Bruce Robbins

**S   b   o   w   a   n   d   T   e   l   l**



Ray Deyo  
Lidded Box  
Big Leaf Maple burl



Jim Bumpas  
Box (cherry?)



**S   b   o   w   a   n   d   T   e   l   l**



Ron Bishop  
Bowl  
Maple with Bronze Patina



Cody Walker  
Magnolia 6 strand celtic knot

**S   b   o   w   a   n   d   T   e   l   l**



Philip Duffy  
Locust Salt Box



**S   b   o   w   a   n   d   T   e   l   l**



**S   b   o   w   a   n   d   T   e   l   l**



***E d i t o r s      C h o i c e***

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Bob Silkenson

## ***F r o m      O u r      P r e s i d e n t***

This was certainly a strong month for promoting both the Richmond Woodturners and what we create as individuals. Our craft dazzles just about everyone and a turning lathe quickly mesmerizes the passer-by. It's not the demonstrator's experience as much as what is happening at the end of the tool that does it.

We should all thank Bruce Robbins and his Makerfest team for what they did on September 24<sup>th</sup>. Whether he or she was a committee member or volunteer, the event could not have been successful without the participation of everyone. Bruce initiated our involvement and formed a strong committee who found many willing volunteers. It could not have been successful without everyone who participated whether it was in setup, tear down, public interaction or demonstration. I found it interesting that our booth (24 feet wide) was full of spectators watching the two lathes and talking about the pieces on display throughout the entire day. Even the other participating booths were admittedly envious about our level of public draw. Suffice it to say we have already been invited to return.

And let's not forget the strong support given by our membership. Many of you came to the event and spent time in the booth. You jumped at the chance to talk with the public and took the opportunity to explain what we do in more intricate detail. This was clearly a club wide function!

Then there is Wally Ubik who took ribbons and prize money at the Virginia State Fair for his turning entries. While it did not specifically promote the club, it brought visibility to what we do. Some of the visitors at the fair will remember his pieces when they see a lathe next time and have a curiosity about how it was done. I can only hope we see more club entries at the fair next year.

To all who participated in either event, thanks from the entire club for your interest and participation. We have so much to offer and are good at what we do. You all helped promote that.

Be safe and happy turning.

Ray

**Come to the 2016 Virginia Woodturning Symposium!**

We know you will find this year's Symposium to be an exciting alternative to Symposiums of previous years. We've updated our format from a hands-on format using local demonstrators to one that features an exciting array of international, national, and regionally known demonstrators - Jimmy Clewes, Trent Bosch, Bob Rosand, Frank Penta, John Jordan, Lyle Jamieson, JoHannes Michelsen and Barry Gross. Additionally, we have expanded the Symposium from one hall with 21,600 sq. ft. to two connected halls having a total of 33,600 sq. ft. This will allow more room and reduced noise.

Plan on spending some time in the New expanded Skills Section. Our volunteers (and maybe even one or two of the demonstrators) will be happy to assist you with that technique that will hopefully improve your woodturning experience. You will be given one-on-one assistance on techniques and methods of your choice.

Make sure you visit the Vendors located in both halls. Many have special prices just for the Symposium and you can pick up that perfect tool and/or supplies you have been wanting and not have to pay shipping! A great savings that will help you get more for your money.

**A Message from Trent Bosch:**

Trent Bosch is one of the **SIX** featured demonstrators at the 2016 Virginia Symposium being held Nov. 5th & 6th, 2016 in Fishersville, VA. Trent has assisted David Ellsworth at Arrowmont, birthed and breathed life into his own prospering company, (the Rescued Wood Bowl Company), and developed, organized and taught a woodworking program for men in the *early* stages of Alzheimer's disease (the Eagles Club Respite Program). He has been a demonstrator at many AAW Symposiums over the years.

Trent's philosophy is as an artist, to express my feelings about nature, my family and natural processes. I work in series or bodies of work, which allows me to explore these issues in depth. Throughout the creative process I am continually reminded that I have not and will not ever be content. I will continue to create and strive for that body of work that has yet to be conceived."

**September meeting****9/15/2016****October meeting****10/20/2016****November meeting****11/17/2016****December meeting****12/15/2016****January meeting****1/19/2017****Febyuary meeting****2/16/2016****March meeting****3/16/2016****April meeting****4/18/2017****May meeting****5/18/2017****June meeting****6/15/2017****July meeting****7/20/2017****August meeting****8/17/2017**

# The 2016 Whiskey and Artisan Wood Festival

*Friday & Saturday, October 21-22, 2016  
This event will take place on Friday, October 21st  
with a preview reception starting at 5:00 pm  
and opening to the public at 6:00 pm*

*Saturday, 10 am -5 pm*

*A. Smith Bowman Distillery  
One Bowman Drive At Deep Run  
Fredericksburg, VA 22408*

*Hosted by*



*Presented by*



**Admission is Free for this exciting event!**

**Meet the makers, hear the stories behind their creations,  
add their works to your collections.**

**Wood, Glass, Metal, Textiles  
Furniture   Home Decor   Jewelry**

*Find us on FaceBook*

# R I C H M O N D   W O O D T U R N E R S

## Richmond Woodturners on display at RVA Makerfest



# R I C H M O N D W O O D T U R N E R S

## Richmond Woodturners on display at RVA Makerfest



The Richmond woodturners Board is in the process of writing job descriptions for the upcoming year elect. We started with the membership director and Danny is doing a fabulous job with his primary duty. Fortunately for him there were no porta-johns onsite that day!!



#### Congratulations Wally!!

Wally Ubik was the only member who submitted entries into the Virginia State Fair and took both ribbons and prize money for his entries.



**December Challenge**

Off-center turning

**2017 Challenges**

1<sup>st</sup> Qtr: Finial longer than 6" (one continuous piece no thicker than 1": longest finial gets the prize.

2<sup>nd</sup> Qtr: A turning where one piece fits into another (not permanently glued)

3rd Qtr: Turn something out of a tree branch less than 3" is diameter.

4<sup>th</sup> Qtr: Turn a mixed media piece (must be primarily wood but includes other media (i.e.: polymer clay, metal, glass, anything)



We are once again turning tops for 2016.

Not only are these fun to turn, but they really improve your tool control. Have fun everybody!

**Please remember to wear your  
name-tags**



**Financial Report****Balance** **\$7,146.90****RICHMOND  
WOODTURNERS  
QUARTERLY  
CHALLENGE**

The Challenge will now be regularly scheduled for the third month of each quarter (March, June, September, and December) with the subject announced at the beginning of each quarter and included in the newsletter. Entries will be placed on a table separate from the Show-n-Tell.

**October Snacks & Drinks**

Georgia Wood	Ice 10 lb bag with cooler
Tom Crabb	Two 2-liter diet drinks
Wally Ubik	Two 2-liter regular drinks
Zach Adams	Two 2-liter non caffeine drinks
Aage Rendalen	Sweet snacks (cookies, etc)
Alan Harrell	Sweet snacks (cookies, etc)
Alice Hastings	Sweet snacks (cookies, etc)
Andy Hammer	Salty snacks (p-nuts, etc)
Ann Horton	Salty snacks (p-nuts, etc)
Barbara Dill	Salty snacks (p-nuts, etc)

**November Snacks & Drinks**

Georgia Wood	Ice 10 lb bag with cooler
Ben Green	Two 2-liter diet drinks
Betsy Mack	Two 2-liter regular drinks
Bill Buchanan	Two 2-liter non caffeine drinks
Bill Jenkins	Sweet snacks (cookies, etc)
Bill King	Sweet snacks (cookies, etc)
Bill Talbott	Sweet snacks (cookies, etc)
Bill Walters	Salty snacks (p-nuts, etc)
Bob Hudson	Salty snacks (p-nuts, etc)
Bob Silkensen	Salty snacks (p-nuts, etc)

You can switch with someone if you are unable to bring those items for the month assigned.

2016 Elected Board

<u>President:</u>	<u>Ray Deyo</u>
<u>1<sup>st</sup> Vice President:</u>	<u>Matt Baker</u>
<u>2<sup>nd</sup> Vice President:</u>	<u>Joanne Fisher</u>
<u>Treasurer:</u>	<u>Jim Bumpas</u>
<u>Secretary</u>	<u>Phil Duffy</u>
<u>Newsletter</u>	<u>Ray Melton</u>
<u>Resource Manger:</u>	<u>Jerry Fisher</u>
<u>Membership Manager:</u>	<u>Danny Luttrell</u>
<u>Information Manager:</u>	<u>Stan VanDruff</u>

## Past President Board Members:

Dick Hines  
Lee Scarbrough  
Mike Lane  
Jim Bumpas  
Dan Luttrell  
David Sterling  
Gerry Cambell

## Visitors/New Members

## **1st Time Visitors**

Steve Friedman  
Elden Padgett

## New Members

Sherry Neff

## Show and Tell

When filling out your “ticket” please include your name, type of wood, and any description you would like. Also if you have small items such as ornaments or pens, feel free to bring a stand with you so that they will photograph better.

## **For sale or trade**

If you have any items to list here, please email me at [forsale@richmondwoodturners.org](mailto:forsale@richmondwoodturners.org).

Please remember that each item needs a description, price, city, seller's name and contact info (phone/email).

You can include pictures if you like. They will run 1 month unless notified to “re-run”.

## ***Committee Chairpersons***

**Barbara Dill**                      Chairperson of the AV committee.  
(That committee is responsible for the camera changes in process.)

**Jim O'Hanlon** Chairperson for the Turning Competition committee

**Lee Scarbrough** Chairperson of nominations

## Upcoming Demonstrations

## Demo schedule for 2016

Oct. 20th	Bob Tingle	Sea Urchin Christmas Ornament
Nov. 17th	Barbara Dill	Multi Axis Turning

**RICHMOND  
WOODTURNERS  
INFO**

**Dues:** \$25 individual, \$35 family & \$15 student. Member applications are available upon request at meetings or via email.

**Library:** Contact the club librarian to borrow tapes and other publications related to woodturning. The list is on the website. Lose it and you bought it.

**Website:**

[www.richmondwoodturners.org](http://www.richmondwoodturners.org)

Updated regularly and contains links to other VA clubs.

**AAW Membership:** Dues are \$53/year for printed, \$43/year for email. For this, you receive 6 issues of "The American Woodturner" a great resource directory (over 450 pages), a huge annual symposium, personal grant opportunities, third party liability protection, and much more. If you are the least bit serious about woodturning, you can't afford to miss out on all this.

**OPERATION  
CHRISTMAS CHILD  
SPINNING TOPS**

Thanks to all who turned tops. For 2015 we turned in 1,330 Lets get started for next years total.

Here is a link to a video to show just how easy they are to make if interested....

<http://youtu.be/UWpV9dBpbME>