



South Central PA WoodTurners

Member of the American Woodturners Association

August / September 2015 Newsletter

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Club Web Site

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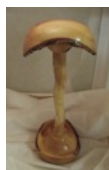


President's Column

by Dave Neuburger

The summer has flown by, and while the leaves haven't started changing color as yet, the nights are getting cooler and the corn is done growing. But if I only talked about how the fall will bring us back inside to the lathe and indoor pursuits, I would be skipping over how busy and productive the club has been over the past few months.

In July we had a great summer picnic get-together, including spouses and guests at the Stewarts' home. I was very pleased with the turnout and camaraderie that was evident. My concerns that the President's challenge would be remembered as Dave's Folly were allayed when we had over 20 honey pots from the club distributed to much excitement at the York County Beekeepers meeting. There were even follow up calls from beekeepers into September seeking more bowls. So to all who participated, thank you and enjoy your local honey. A special congrats to Barb Fordney who won the special raffle and received a gift certificate to Wyndridge restaurant. That seemed only fair since she and Bill also contributed four bowls to the challenge.



Wig stand by
Doug Smith of
the Durham
Woodworking
Club

At our September meeting Rod Swenn presented a new idea to the club. He has started contributing wig stands to a local hospice group. These are given to cancer patients who have lost their hair due to chemotherapy. The metal wig stands initially provided with a wig are less than beautiful, and there was general agreement that turning stands to donate would be a worthwhile club project. So, turn away for a good cause. If you would like to see an assortment of stands and to get dimensions go to www.durhamwoodworkingclub.com. Then scroll down on the right side under club initiatives and click on wig stands for cancer patients. I've turned my first one out of some scrap cherry wood and it didn't take long to do. It's fun practicing freehand spindle turning.

President's Column Continued

With that in mind, I am issuing the **second President's challenge** which will run from now till our Christmas meeting. Bring your turned wig stands to the next meetings and for each one you turn you will be entered into our next special prize raffle. This will be drawn at the Christmas party. So the more you turn the better your chances to win.

On September 12 **Mike Sorge** from Virginia presented our yearly club demo with . He showed us how to do high speed geometric turnings. Not only was he a great teacher but I received many compliments regarding his presentation. We had 30 attendees including a half dozen from other clubs. A good time was had by all. There were some technical problems with our lathe bogging down when Mike was taking heavy cuts and we will need to see if the problem is fixable. Also a special thanks to Don Wilson who bailed us out when we realized on late Friday afternoon that the spindle size on the lathe was different from Mike's Oneway jaws. (Note to self, make sure to check that before David Ellsworth comes next year.)



Welcome to our newest member **Alan Fauth** who found out about the club from our advertising of the demo.

Coming up is a showcase of club members' works at York College, coordinated by **Bill Fordney**, and exposure to the club at York Suburban High School when **Don Wilson** presents during "Art Week" in October. We also have a number of club members who will be demonstrating at the Boy Scouts Wizard Ranch on October 3rd for their jamboree, coordinated by John Stewart. If you have any questions about any of these events, let me know.

Don't miss our October meeting where **Don Wilson** will be teaching us about embellishments. I'm very pleased with how many things are happening with the club but most importantly, how many of you have been helping out with all of these projects. Keep turning...safely.

Dave.

Dates to Note

Regular club meetings held on the first Tuesday of each month @ 6 pm @ Meeting House, Water St., Jacobus

Tuesday Oct. 6, 2015

"The Ultimate Embellisher"

Don Wilson

Don will demonstrate various ways to add character and style to your turnings.

Tuesday Nov. 3, 2015

Hand Thread Chasing

Tuesday Dec. 1, 2015

Club Christmas Party

Woodturners /Minutes & Notes - Aug. / Sept

Taken by Carol Woodbury (Thank you. We don't know what we would do without you!)

President *Dave Neuburger* introduced his college friend from California, *Dave Weilmuenster*.

Treasurer Report.

John Stewart gave the good news. The treasury holds \$3,450.16, with \$1,706.16 designated for charity.

Boy Scout Council Demo

Jonathan Hess of the Boy Scout Council has invited us to the **Biannual Event at Wizard Ranch on Oct. 3rd**. Volunteers are needed to demonstrate and hand out brochures.

Cabin Fever Wants Us

Bill Fordney has reported that Cabin Fever wants us at the show in January at their new location. It will be January 15 – 17, 2016 in Lebanon this year. Admission is \$15. A show of hands indicated that the club should set up there and Bill Fordney will contact the show to reserve space. It is expected that a whole new audience will be reached there.

More Demo/Selling Opportunities wanted

John Stewart suggested looking at websites to find opportunities to demonstrate and get exposure. Please email John with any ideas for this.

York County Heritage Trust

There has been no further word from the York County Heritage Trust. We have seven volunteers ready to demonstrate for their planned video.

Hey Honey!

The President's Honey Pot Challenge went very well. The Beekeepers were ecstatic about the honey pots provided by our club and there is a request for one more, which *Leo Deller* will provide. The Beekeepers offered to sell honey pots for club members at the York Fair. Members would name their price on each turned pot with 70% going to the turner and 30% staying with the Beekeepers.

New Meeting Place?

The committee looking at potential new meeting places will be meeting next month.

NEW President's Challenge!

Cancer Patient Wig Forms

Rod Swenn brought a great idea from his visit to clubs in Canada. He showed 3 turned wig stands, like those made in Canada for donation to cancer patients who need wigs during chemotherapy. **HOPE**, a non-profit in New Freedom, would be overjoyed to be able to give a stand with every wig they provide. Members like the idea and Rod will deliver any donated to HOPE. They should be 11" to 13" tall with dome cap and the bottom dished out for pins or jewelry – any wood, any finish just so long as it is water-proof.

More Member News and Notes

Craft Emergency Relief Fund



VP Tom Deneen brought up the suggestion that we consider making our future charitable donations to the Craft Emergency Relief Fund (CERF) which supports craftsmen when in dire circumstances, like fire-destroyed workshops.

New Newsletter Feature

Starting with this month newsletter we will include a turning article from **More Woodturning Magazine** as well as an Events Calendar Listing.

It will add a informative "how to" section to the newsletter that will make it even better. This is related to the new program offered by the publisher, Dennis Daudelin, for Woodturning Club Newsletters.

Please visit their web site:
www.morewoodturningmagazine.com

AAW Drawing- Bill Fordney a Winner!

Good News from Bill

Bill was notified by AAW that he was one of the members selected in the June drawing. He won a \$100 gift certificate from **Thompson Lathe Tools**. He now has two new tools for which he must make handles.

Some not so good news

On the down side, when he talked with *Doug Thompson*, the maker of the tools, he told Bill that he has been undergoing radiation treatments. Not good.



Member *Dave Hunter* shared photos and stories of his recent visit to Sri Lanka accompanied his neighbor's to his homeland. He showed a picture of ancient turned objects from ivory. Very interesting.

Club Trailer Update



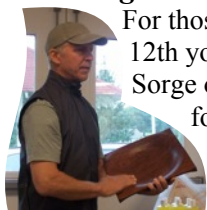
Everyone who helped prepare the CarMate trailer was thanked. Seventy five dollars was approved for wheels to put on the lathes for easier moving.



(Looks like one took a nap, some played with a stray puppy, but Leo was working.)



Mike Sorge Demo



For those of you who missed the demo on Sept. 12th you missed a lot. It was exciting and Mike Sorge offered many new high speed turning tips for producing unique and more interesting designs.

(It would have been even more exciting if our lathe was up to speed, so to speak. Next fund raiser should be a new or used lathe with some muscle, certainly before Dave Ellsworth 's demo next July.)

Mike was very calm as he tried to run the lathe at 3000 rpm, but finally settled for only 1900 rpm. Poor old lathe just had no guts at high speed, oh well!

I wish I could list all the prime tips of his demo, but there were too many, too fast and hey, you should have been there.

But here are a few:

1. Turn at 2500-3000 rpm for winged turnings.
2. He uses bowl gouges almost exclusively. Gouges have a swept back Irish grind with very little bevel. This allows you to shear scrape instead of using a scraper. This also prevents toe drag when doing the final pass on the bowl.
3. You need at least 7 chucks with different jaws so you can switch them as you need them without slowing down. Well, at least one chuck with lots of jaws.
4. Also need a selection of well sharpened gouges, at least ten. Five of them with double ends giving you another five for at least fifteen total for a quick change of gouge and never a dull point or moment.
5. A triangular shape is easier to turn than a rectangle due to the amount of wood available to undercut.
6. Mark your tool rest so you know where the end of the wing starts. Hard to see when spinning at 3000 rpm.
7. Wear gloves, face mask and ear protection. Turning a winged object at high speed sound like an airplane taking off.
8. Mike uses planks to get his wood. It is cheaper and more efficient to make multiple turning blanks at one time. He has made two templates that he has for sale to do this simply and fast.
9. Mike also sells an out of the bottle food safe finishing oil. He uses only one coat on his finished pieces. He says that cats love it, so let it dry or else you will get tongue licks as embellishments to your work.
10. He was chosen to test some new wave sanding discs and is convinced that the new True Blue Wavy disc is superior to others of this design.



More Mike Sorge

Photos taken by Mike Carnes - Award winning amateur photographer
Assisted by Bryan Sword,



Our Pres. had the job of holding the lathe steady as Mike tried to run at top speed.



Example of wing undercutting profile



Hollowed out box



Top of Pagoda Box



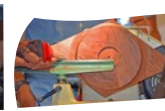
Typical Pagoda top



Fancy and expensive Pagoda Wisdom Box



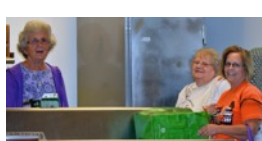
Shaping top wings of diamond blank



Deep Thoughts! John, is asking "what did he say?"



Leo gives a tip to Mike, or maybe vise versa



The church ladies provided a great, more than we could eat for lunch.



Sage advice If you are going to hook you thumbs in your pockets you better wear suspenders so they will pull your pants back up.



Dave Hunter can't believe what he is hearing!



Little Known Fact
Our Pres. was the model for **The Thinker**.
Seriously, President Dave brought us a great demonstrator. So thank you Dave. YES, we will contribute to your next campaign for Pres.

Leo's Love of Segmenting



Club member **Leo Deller** presented a demonstration on segmented turning. It is easy to see why he says that **time** is a major factor in segmenting. It takes between four days and a week to complete one bowl. Leo is very organized and conscious of each step, done right, as he works.

Segmenting involves several NEEDS:

1. You need to go back to algebra class mentality to determine the pattern, size and cuts of each segment.
2. You need a way to cut the segments consistently.
3. You need to sand.
4. You need to glue and press the pieces into a form.
5. Then you need to do the actual turning of the final product.

Number of Segments

Usually he works with 12 segments cut at a 15° angle. Leo explained his graphed design, his figuring of each segment's size, and how many rings and their diameter are needed for a design. One graph is for the overall design and another drawing works out where the color pieces go.



He starts with sticks, and sands or planes each so every piece is the same thickness. He cuts the sticks to create segments which are fitted into a metal ring clamp, then uses a ring sander before gluing the whole ring together.



Glue Choice: Tight Bond 3 is his glue of choice. It gives the most time to assemble the work. Tight Bond 3 allows turning after four hours, but Leo generally lets it set overnight. Tight Bond 2 will allow gluing end grain to side grain, whereas Tight Bond 1 will not hold.



Each clamp is set to the diameter you need. To correct any imperfect joint, he tightens the clamp so the inside of each piece is touching, little pegs hold the open spaces directly across from each other. He can then band saw it straight across and glue it back together. A wet sponge removes any glue from the surface. He

has a Jet 1020 Drum Sander to make each side of the rings flat and even.



Example: The rings for the bottom half of a vase (from segmented bottom up to the shoulder) are first glued together and roughed out, both inside and outside. The top half is then roughed out to approximately the same thickness, before both are glued together and the final turning is done.

Leo's tips

Staggered joints strengthen the piece and also make it easier to see that it is a segmented piece.

To create one of the pieces he brought, after turning, he used fat dowel slices placed into shallow holes made with a same size drill bit.

More Leo



Why does Leo like creating segmented pieces? "You design it, you work with dry wood, and you know how it's going to turn out." There is

no doubt that Leo loves what he does. You can

hear it in his voice. You can see it in the pride in his face when he holds a finished piece. Thanks for sharing your work with us, Leo.



Our lovely ladies of the club making Leo's work look even better!

Book recommendations:

"Bowl Plans" book which has directions and angles and a material list for each bowl. See Leo for other recommendations.



Show and Tell - August 2015



Barry Stump
Ambrosia maple vase
finished with wiped on polymer



Dean Swagert
Segmented bowl
Maple and miscellaneous hard woods.



Leo Deller
Segmented oak bowl



Charlie Stuhre
"Sienna Pen"
Cocobolo



Tom Deneen
2 burl bowls
with InLace inlays from a Beek kit

Phil Reed
African blackwood threaded box
with died maple burl inset in top



Show and Tell Raffle Drawing



Tom won the gift certificate – if Barb hadn't been the one to pull the winning ticket, we might have wondered.....

(Editor's note YES! Very suspicious, theoretically, Tom is mixing up the raffle tickets, but then he wins! Is it possible that quick fingered Tom palmed the rest of the tickets? We do wonder.)

David Reed Smith on SPHERE ORNAMENTS



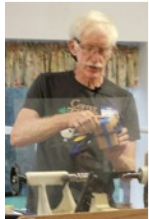
David gave a humorous, laid back, and educational demonstration on turning sphere ornaments. He notes that they must be light in order to hang. But he hates hollowing, so has developed the following procedure:

Take 2 pieces of the same wood and use blue tape on each with paper between to glue them together. Turn the external sphere. Take the halves apart, hollow each half. Glue them back together. Add small bit to attach wire to. **Voila!** you have a sphere ornament.



His article on this demo will appear in the Christmas issue of "More Woodturning".

Demo:



1. Start with 2 pieces of wood with planed or sanded surface .
2. Rough surface. Join both with 3M Blue tape.
3. Rough sand.
4. Put poster board between.
5. Glue and let dry overnight.
6. Center should be on the glue line, using pencil lines on both sides.
7. Use 4-faced tool to twist a small indent at center.
8. Use safety drive, because it grips multiple pieces.
9. Test that prongs are in indent by hand spinning.
10. Turn to cylinder with spindle roughing gouge.
11. Place shadow jig below blank with pinpoint source light straight above and mirror to view far side shadow while turning.
12. The closer the pattern to the sphere, the sharper the shadow. He has a gizmo to put on top to test that the shadow is aligned & centered
13. Use spindle detail gouge to cut bevel tangential to cylinder, then round it on one side.
14. Ditto the other end and round to the center to make the ball.
15. To improve smoothness, use shear shaper with 45° angle to modified pyramid 20° which is a custom made tool by Dave.
16. Remove ball from lathe and remove point with utility knife.
17. Split at seam with putty knife after drawing lines to be able to glue back properly.
18. Remove paper and tape and place in vacuum chuck lined with foam.
19. Measure both domes and set deepest point on smaller one with vice grips holding drill bit.
20. Use several wraps of tape to hold in place and use a small bowl gouge or skew then shear scraper to hollow out both halves.
21. Tite-Bond it back together and clamp (with pad) to dry overnight.
22. To sand, a cup chuck is adequate, with foam padding, and sanding wand.

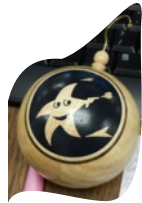


23. Arrange orientation so you sand the end grain twice as you rotate the globe a bit to do 2nd sanding.

24. For design, a slightly wider cup in chuck and metal piece on rest, use a 1/16" parting tool to make groove, then handled steel wire to burn dark marks. Strip of poster board wrapped around helps define segments to burn.

25. Small turning for finial with hole drilled into it

26. Hanger is usually brass wire twisted by drill or silver-plated copper wire coated with colored epoxy to create Christmas red and green.



He showed several spheres, one with a background of died black Bondo, one with an inserted deer, one of layered wood.



Many thanks to David for a delightful evening and many helpful hints.

September Show and Tell

Tom Deneen



Two bowls turned from the same piece of cherry burl, one natural edge/one traditional.

Tom won the gift certificate, AGAIN!
(Editor's note: Definitely, an investigation is needed!)

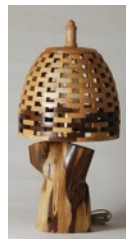
Mark Coons

Maple and cherry cutting board



Leo Deller

Lamp with segmented shade cedar base / walnut & oak shade



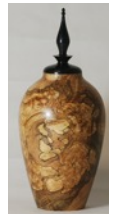
Barry Stump

large maple urn



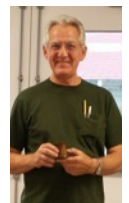
Tips and Tricks:

Barry Stump showed 2 finials and challenged us to tell which was ebony and which was maple died black.



Phil Reed

Lignum vite and blackwood threaded box



Making a Threaded Needle Case by Fred Holder

I've made a number of needle cases over the years and made one for my wife some time back. She was very pleased until she found that when she dug around in her sewing basket, the lid could come off and dump her needles into the basket.

Until I obtained the Ray Isles thread chasers, none of my chasers would enter such a small hole as is needed for the needle cases.

When I started to make one of these, I tried to use the Nova chuck with the 25mm jaws to hold the pieces while threading. This worked fine for the lid, but I had troubles with the wood moving in the chuck when trying to chase the outside threads for the body of the case. I solved this problem by turning tenons on each end of the blank and gluing on a two inch disk to be grabbed in the 50mm jaws of the Nova chuck as shown below.



The blank with two disks glued to the ends for greater stability when threading.

Although it is not needed on the lid side, it is easier to set up the pieces for use in the same chuck. This solved the problem of having the body of the needle case move while chasing threads.

The next step was to part off the lid and mount it in the chuck for drilling and threading. I thread the lid first whenever possible. In the photo below the lid section is shown in the chuck before drilling.



The lid is ready to drill with a 7/16" drill to a depth of about 1/2".

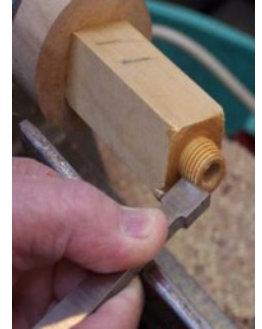
Threading the hole in the lid with the inside chasers.



Drilling the 5/16" hole to hold the needles. It can be drilled before or after threading.

Making a Threaded Needle Case - Continued

Drill a 7/16" hole in the lid section that is about 1/2" deep. Then round over the front edge of the hole and cut a recess in the bottom of the hole to allow the chaser to cut a clean thread before it would hit the bottom of the hole. When the threads are satisfactory, you are ready to mount the base section for drilling and threading of the tenon that will be threaded.



Threading the tenon on the top of the base section.

The sizing of this tenon can be calculated from the information supplied on the illustration on page 6 of this issue. For this case (with a 7/16" recess in the lid section) the tenon should be slightly over 1/2".

I found that a 1/2" tenon cutter would cut a tenon just slightly over 1/2" and would work well for sizing the tenon on this project. I cut a tenon about 3/8" long with the tenon cutter and then cut away the excess down to the tenon. I then used a thin parting tool to make a recess at the rear of the tenon and rounded over the front edge, before hand chasing the threads. Incidentally, the threaded section is 16 tpi.

On this project, I drilled the 5/16" hole for the needles after I had chased the threads, but it can be drilled just as well before cutting the threads.

With the threads cut and the lid fitted to the base section, it is time to final turn the outside of the needle case and put in a few decorations with a point tool or a skew.



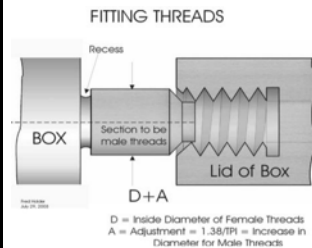
In this photo, the outside of the needle case has been turned and it is ready to part off just in front of the disk holding it in the chuck.



This is the completed needle case. I simply sanded the base smooth after parting off.

Making a Threaded Needle Case - Continued

I like to put a bit of a shallow curve to the outside of the needle case. It seems to me to give it more elegant look than if it is just straight sided. You can also put some sort of decoration on top of the lid, which I do sometimes. However, Mildred likes the smoother top and since she is the one who will be using these things, that is good enough reason to make them smooth.



This drawing illustrates how to calculate the size of the tenon for the male threads when the diameter “D” of the inside threads are known.

If you don't have any boxwood or other hard, dense woods, you have two other options. You can use material such as Corian, which threads very well. Or you can cut recesses in both the top and base sections and pour it full of epoxy.

The finished needle case with the lid removed.



A needle case made from Corian. Corian threads very well. This one was not held with the disks, but only in the 25mm jaws of the chuck. I broke off the threaded tenon once and had to shorten the case.

Epoxy also threads very well. I first learned of this technique from Petter Herod of Norway. I've found that a 3/8" tenon cutter that I have works well to cut the recesses for the epoxy, but make sure your epoxy is mixed thoroughly. It must set up properly to work well.

This article was provided by **More Woodturning Magazine**
Visit their web site: www.morewoodturningmagazine.com

More Woodturning Magazine

Events Calendar Listing - September 2015

September 25, 2015 to September 27, 2015

Woodworking in America

SYMPOSIUM

Location: Kansas City, MO

Dates: Friday, September 25, 2015 to Sunday, September 27, 2015

Description:

Popular Woodworking Magazine has once again assembled an incredible lineup of some of the country's best woodworkers to share their know-how with you. Meet Roy Underhill, Marc Adams and Jeff Miller among many others.

Website: <http://www.woodworkinginamerica.com>

September 26, 2015 to September 27, 2015

Great Falls Woodturners Symposium

SYMPOSIUM

Location: Great Falls, Montana

Dates: Saturday, September 26, 2015 to Sunday, September 27, 2015

Description:

Rudy Lopez turns bowls, creative shapes, and much more. Door prizes and silent auction.

Website: <http://gfturners.org>

October 09, 2015 to October 11, 2015

Turning 2015: Ohio Valley Woodturners Guild

SYMPOSIUM

Location: Cincinnati, Ohio

Dates: Friday, October 09, 2015 to Sunday, October 11, 2015

Description:

There will be over 60 demonstrations (30 featured demos), a vendor area, auction, instant gallery, and a spouse craft room.

Website: <http://ovwg.org>

October 17, 2015 to October 18, 2015

Yellowstone Woodturners Symposium 10

SYMPOSIUM

Location: Billings, Montana

Dates: Saturday, October 17, 2015 to Sunday, October 18, 2015

Description:

Featuring Alan Carter with demonstrations on turning long stem goblets, suspended vessels, split bowl vessels, and design woodwork.

Website: <http://yellowstoneturners.org>

October 30, 2015 to November 01, 2015

Fresh Cut: Turning Symposium

SYMPOSIUM

Location: Grand Marais, Minnesota

Dates: Friday, October 30, 2015 to Sunday, November 01, 2015

Description:

The symposium includes multi-day coursework, demonstrations, speakers, mini-courses, and community gatherings, all designed to encourage wide-ranging discussion of the craft of woodturning and to celebrate and relish the intimate connection to the material green wood turning fosters. Website: <http://northhouse.org>

November 06, 2015 to November 08, 2015
North Carolina Woodturning Symposium
SYMPOSIUM

Location: Greensboro, North Carolina
Dates: Friday, November 06, 2015 to Sunday,
November 08, 2015

Description:

There will be six featured and eight regional demonstrators in a total of 63 rotations, as well as instant gallery, vendor area, turning learning center, and banquet.

Website:

<http://northcarolinawoodturning.com>

November 14, 2015 to November 15, 2015
34th Annual Artistry in Wood
EXHIBITION

Location: Dayton, OH

Dates: Saturday, November 14, 2015 to
Sunday, November 15, 2015

Description:

Artistry in Wood is a celebration of wood carving and woodworking art by wood enthusiasts. Primarily, the show is an exhibit. Carvers and woodworkers show their work and most sell their work. Prices range from five-figures to bargains for Christmas shoppers. Door prizes, raffles, competitions, a hands-on children's workshop, and an evening banquet are also included.

Website: <http://www.daytoncarvers.com>

February 04, 2016 to February 07, 2016
Florida Woodturning Symposium
SYMPOSIUM

Location: Leesburg, Florida

Dates: Thursday, February 04, 2016 to Sunday,
February 07, 2016

Description:

This year's great line-up of presenters includes four national demonstrators (John Beaver, Jimmy Clewes, Ashley Harwood, Joe Ruminiski); four regional demonstrators (Andy Cole, Al Hockenbery, Rudy Lopez, Walt Wager); and five well-known workshop leaders (Dixie Biggs, Don Geiger, Kimberly Glover, Richard Morris, Ted Smith).

Website: <http://floridawoodturningsymposium.com>

April 02, 2016 to April 03, 2016
Totally Turning 2016
SYMPOSIUM

Location: Saratoga Springs, NY

Dates: Saturday, April 02, 2016 to Sunday,
April 03, 2016

Description: This is an annual symposium sponsored by the Adirondack Woodturners Association (AWA), a special interest group of the Northeastern Woodworkers Association (NWA). Features include an Instant Gallery, a vendor area, and world-class woodturning presentations offered in rotation.

Website: <http://www.totallyturning.com>

April 28, 2016 to May 01, 2016
Kaleidoscopes: 200 Years and Beyond
SYMPOSIUM

Location: Rockville, Maryland

Dates: Thursday, April 28, 2016 to Sunday, May
01, 2016

Description:

The place to meet the artists and share a kaleidoscope of fun with classes, artist display tables, exhibitor space, banquet, and other special events.

Website: <http://www.brewstersociety.com>

May 12, 2016 to May 14, 2016
Utah Woodturning Symposium
SYMPOSIUM

Location: Orem, Utah

Dates: Thursday, May 12, 2016 to Saturday, May
14, 2016

Description:

Over a three-day period you will have the opportunity to learn from many of the industry's top professionals, to ask questions, to engage and to expand your knowledge. You will also have an opportunity to view or participate in the instant gallery, a banquet, a live and silent auction, vendor showcase, youth hands-on turning, and more!

Website: <http://utahwoodturning.com>

July 22, 2016 to July 24, 2016
Turn-On! Chicago 2016
SYMPOSIUM

Location: Mundelein, Illinois

Dates: Friday, July 22, 2016 to Sunday,
July 24, 2016

Description:

The Turn-On! Chicago 2016 symposium will be held at The Conference Center at the University of Saint Mary of the Lake in Mundelein, IL. This three-day event includes the following demonstrators: Nick Agar, Rex Burningham, Robin Costelle, Steven Hatcher, Clay Foster, Frank Kobilsek, Rob Nelson, Graeme Priddle, Mark Sfirri, Mark St. Leger, Rob Wallace, and Molly Winton. Also included are hands-on pen turning, a tradeshow, meals, banquet, and auction. Registration will open on the website starting January 1, 2016.

Website:

<http://www.turnonchicago.com>