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Club Web Site www.PAwoodturners.com

Dates to Note

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

Tuesday Jan. 5, 2016 Planning Meeting **(a)** The Stewart's

January 8-10, 2016 WoodWorking Show Fair Grounds - Baltimore

January 15-17, 2016 "CABIN FEVER EXPO" Model Engineering Show & Auctions LEBANON VALLEY EXPO CENTER 80 ROCHERTY ROAD LEBANON, PA 17042

South Central PA WoodTurners

Member of the American Woodturners Association

November - December 2015 Newsletter

President's Column

by Dave Neuburger

Its hard to believe that the year is coming to an end. As I think about this year and where we are as a club. I feel a high degree of satisfaction. I hadn't thought of being president of the Woodturners prior to the "election" last year, but am now comfortable in the position and ready to carry on. I didn't find out till last week that the elections are for two years in office. I am pleased that the club had such a productive year. So, I would like to take this column to tally up our accomplishments. Here are my top five.

1. After a rocky start with meeting cancellations due to the weather we had great monthly demonstrations that were well attended. We will continue our same format next year and I look forward to your suggestions at the January organizational meeting for topics and demonstrators

2. We had a wonderful symposium with our featured guest demonstrator in the fall, Mike Sorge. He presented us with some new techniques and ideas along with an entertaining presentation style. In 2016 we will bring in David Ellsworth and I'm sure he will be inspirational and educational.

3. Our summer and winter parties were very successful, and our club has been developing into a family of friends. The parties are also great opportunities for new members to integrate into the club.

4. We had a great year in public service - from raising over \$1600 for local charities to volunteering to demonstrate at local events (the Cabin Fever and Homebuilders shows and the Boy Scouts). We had a highly admired display at York College. And finally, we made two dozen wig stands to donate to the Hope Hospice group for distribution to cancer patients.

5. The President's Challenge is back. Two separate challenges went out to the club this year and you responded. The first one was to turn honey pots that got exchanged for two pounds of honey with the York County Beekeepers: a win/win situation. The second challenge was to produce the wig stands. In addition prizes were awarded to members selected by lottery.

I thank you all for your support. So many of you have been there to help me and the club this year—with the newsletter, the video setup, the publicity, the financial support, the parties, the photography, the library, the setting up at the clubhouse and demonstrations, the mentoring...the list is long. But that is what a successful club is all about. Having fun, learning and participating are why we exist. Please stay involved and let me know if there are things that you would like to see improved. Have a great New Year.

President Dave

Church Stump Harvested for Prosperity



The Norway maple stump that has sat outside our meeting house in Jacobus was harvested by club members for better use than just rotting away.

Led by our own forester F. Martin Stolpe with much deep thought and advice from Phil Reed, the job was



accomplished in about 30 minutes. Martin brought his smallest chainsaw which has only a 30" bar

so it took longer than expected.

Here, John Stewart eagerly awaits a chance to show off his skills at clean up to a new member.



Woodturners Minutes November 2015

submitted by Carol Woodbury President Dave Neuburger called the meeting to order at 6:30.

Chuch Stump Memento Proposed

The Norway Maple stump cutting party with Martin Stolpe was rewarded with pizza before the meeting. It was suggested that one of the eight who helped might turn a memento to give to the church in thanks for allowing us to use their facility over the years.

Treasurer's Report and Charity donation

Treasurer John Stewart reported a balance of \$3,360.20. After discussion, the motion was made by Dave Hunter with a second by John Stewart that the \$1,743.50 designated for charity be divided equally between Wounded Warriors of PA, the Food Bank, The Lehman Center and Foresight Vision. Motion passed, leaving a balance of \$1,928.50.

Boy Scout Demo

The Boy Scout demonstration at Wizard Ranch was a success; all \$185 collected there has been donated to the Boy Scouts. Joan Stewart's Letter to the Editor of the York Times Delta was remarked upon; she praised the Scouts for their attitudes and a well-run event.

Announcements:

Future Show Considered

Inquiries were made of interest in other shows that in which club members might participate. The Baltimore Show (Jan. 8-10, 2016) would be a 3-day commitment and not much interest was shown. John Stewart may gather more demonstrators.

Cabin Fever - There was more interest in Cabin Fever which will be the following weekend. There is also the Builder's Show in February.

York College Display The York College display of the Club's best work is spectacular. There has been good response from it. The display was organized and set up by Bill and Barbara Fordney

Club Education Fund

Dave opened discussion on our equipment. He suggests we could divide future shows' money: half to charity and half in an "education fund" to save for updating equipment. After all, it is for the education and maintenance of the Club.

Raffle and Gift Certificate Winners

color coats the lids to use for chuk screws,

Tom Deneen's small threaded box was won in the raffle by Allen Fauth. Certificate winning tickets were held by Don Wilson and Clark Bixler.

Tips and Tricks Tom Deneen saves prescription bottles and

etc.

November Show & Tell



Clark Bixler

Unfinished cherry bowl, turned at Wizard ranch



Dave Hunter Hollowed vase Cherry crotch wood from Martin Stolpe's endless supply







Barry Stump Ambrosia maple vase, finished with teak oil Two wig stands, cherry and poplar



Dave Neuberger Spalted beech bowl, using Mike Sorge's finishing oil



Mulberry wig stand





Natural edge osage orange bowl and

Kaleidoscope made of olive, the front of the toy turns as kaleidoscopes are suppose to do. This was one of his first turning projects, made 11 years ago for his grand daughter.



Phil Reed



Maple bowl



November Show and Tell - Continued



Mark Coons

Cherry baby rattle with interior cherry sleeve for strength. filled with mung seeds









Don Wilson Mahogany square bowl

Walt Whiteley French household items from his wife



Don Wilson's Embellishment Demo pictures These are pictures lefted out the October Newsletter







Don's home made. really hot wood burner made from an auto battery charger











Recommended books on pyrography

Tom's Threads Great notes by Carol Woodbury



Tom Deneen wanting a lathe to go slower is quite unusual! But that's what happened this evening. Tom demonstrated threading, but was seriously hampered by the fact that the

Club's lathe doesn't turn slower than 400

rpm. To do threads, it's best to work at 200 -250 rpm. We did learn some good tips though and watched his methods, if not the perfect end-product.



Trying to slow the lathe with an extra hand

To turn a threaded box, the wood must be dense with a small grain; dogwood, boxwood, African blackwood or cocobolo are suggested. About 18 threads per inch works best because the fewer the threads, the harder to create.



Use a spindle roughing gouge to round

the blank, testing it by laying gouge gently on the turning wood to check for bounce. A parting tool makes a tenon on each end – about the depth of 2 parting tool widths. Then part the blank-1/3 for the lid, 2/3 for the box. Hollow the box with a bowl gouge to about $\frac{1}{4}$ thickness. because the threads are about 1/8", and add a channel so vou don't thread too far.

Tom has made his own threading tools from bolts. He cuts the bolt length wise exposing the edge of the threads for cutting the wood. He sharpens the bolt on the flat side ONLY not the end, as this would ruin the starting threads. There is a female tool for reaching in and a male tool for the exterior threads. Tom says to use the female tool by



coming in slightly high on the turning.

Phil Reed added that you should start with the 2nd notch on the tool, doing one thread at a time.

Threading does not sound like an easy thing to accomplish.



As usual Tom gave us a light-hearted, interesting and useful program.

Many thanks, Tom.



Holiday Party December 1, 2015

More great notes by Carol Woodbury

President Dave welcomed everyone and thanked the Stewarts for hosting the Christmas party once again.

Treasurer's Report The Treasury has \$3,988 currently and checks will be written this month for the 4 charitable donations.

Dues Members were reminded to pay their dues.

York College Display

Bill and Barbara Fordney were thanked for setting up the gorgeous display at York College's Schmidt Library. Four of the 30 displayed pieces were sold from the cases.

Up-coming Shows

Cabin Fever will be held at the Lebanon Expo Center, Jan. 16-17, 2016. We will be allowed entrance to set up at 7:30 Saturday, so that we don't have to make another trip on Friday. A show of hands indicated that about a dozen members will participate. Tops and other small items were asked for. Sales money will be divided evenly between a charity and the club's education fund. The organizer, Gary, gets 10% of sales in lieu of booth fees.

Participation in the **York Builders' Show** January 30-31, 2016, was briefly discussed. Because both shows come after the club's January Planning Meeting, plans for both will be firmed up at that meeting.

Martin Stolpe announced a Sawing of Logs Day, Monday, Dec. 14, 2015, from 8:00 am until about noon. Available are planks and blanks of drawn redwood, bird cherry (sacred tree of ancient Finland), black cherry, white ash, black locust, ailanathus, box elder.

Tom Deneen's threaded box was won in the raffle by Pete Kenee.

York College Display

Bill and Barbara Fordney deserve a huge round of thanks for their efforts in getting the display items together and then setting the display up themselves at the college's Schmidt Library.

Great job, well done and many thanks for your time and organizational skills in doing this.



Photos by Carol Woodbury





From limb to bowl display pieces provided by Bryan Sword

December Show & Tell

Artistic photos taken by Phil Reed





Wig Stands for non-profit Hope



Bill Krofft Two ornaments on stands



Winged bowl perhaps made of zebra wood

Phil Reed Maple bowl (Sorry, Phil no Picture, oh well.)



Bill Krofft Cherry sanding sealer and 2 coats water-based polyurethane

Dave Hunter 4 wig stands - 2 were Spanish cedar with some machining for the fancy spindle



Leo Deller 2 palomia and 1 white oak

Clark Bixler 1 pseudo-cabriole spindle on 3 axes, mahogany with

cherry caps and bases, butcher block oil 1 dogwood spindle, walnut base, maple top



Brvan Sword Cedar and mahogany, so there will be "no moths in the wigs"

(Leo Deller asked if this was a dumb bell? Bryan responded that this stand will hold a 25# wig)

Jim Morrison Spalted oak, spalted maple and unknown wood



Bill Crofft won the gift certificate from Craft Supply. **Challenge Prizes**

Mark Coons won 1st prize - \$50 gift certificate to Craft Supplies Dave Hunter won 2nd prize - "Fine Wood Working Design Book Four" and also 3rd prize - a \$10 gift certificate to Craft Supplies due to his multiple entries.

More Woodturning Newsletter Feature See the two articles from <u>More Woodturning Magazine</u> as well as an Events Calendar Listing. It adds an informative "how to" section to the newsletter. This is a new program offered by the magazine's publisher, Dennis Daudelin, for Woodturning Club Newsletters.

This is an on-line magazine that you can access anytime. A one year subscribtion is \$25.

Visit their web site: www.morewoodturningmagazine.com

Cubes in a Sphere (Fred Holder)

In the July/August 2004 issue of The Woodturner Magazine, published in England, there was an advertisement for the Stoneleigh Turning competition for 2004. The featured picture at the top of the page intrigued me and I had to know how to do it. It was obvious from the photo that the original blank was a sphere with six equally spaced stepped holes. This gave the effect of decreasing-sized cubes inside the sphere. The sphere in the photo had six levels of cubes.



Picture 1: This was my first successful attempt to make this project. It is made from Elm and has an African Blackwood base. All holes were drilled with Forstner bits.

Apparently the ball in the photograph was somewhere in the neighborhood of 3-1/2" in diameter. There are at least a couple of

ways to do this project: drill steps with Forstner drills or draw circles of the appropriate size and then, using a square end scraper, cut the holes to the proper depth.

Since I normally make the Chinese Ball from 2-1/2" spheres and have a chuck to hold that size sphere, I opted to use that size. I had no idea what size drills to use, so I began to experiment. My first attempt provided a ball with three steps plus a hole in the middle, but the holes didn't intersect one another to give the desired effect of cubes inside the sphere. I finally worked out that the proper depth for a step was 1/2 of 3/8" or 3/16" and the diameter change of drill size needed to change by 3/8" as the drill size changes larger or smaller. At first this didn't seem to work. Then I realized that the original size of the sphere should have been about 2-1/4". I compensated and drilled the first hole 5/16" deep and all of the others 3/16" deep from the bottom of the preceding hole.

In the Beginning

To begin this project, you must choose a spot on the end grain to be the north pole. Then, using this as the starting point, lay out six equally spaced holes on the surface of the sphere. As shown in Figure 1, a straight line from the north pole position to the equator of the sphere is determined by the formula x (radius on x axis) squared plus y (radius on the y axis) squared equals z squared. "z" is the length of a straight line from the north pole



to any point on the equator.

Figure 1. This shows a method of determining the dimension to set your pencil compass to lay out the six equally spaced holes.

This formula simplifies down to z equals the radius times the square root of 2 (or 1.414). For the 2-1/2" sphere, set your pencil compass to the 1/2 of the diameter of the sphere; i.e., 1.25" times 1.414, to obtain a value of 1.7675".

Here is where one of the first inaccuracies can come into play. It is unlikely that one can set a pencil compass to that precise number. I made up a flexible cardboard template of that length as determined with my digital calipers. Laying the template from the north pole across the surface, I marked three locations about 120 degrees apart on what would be the equator. Then measuring from each of these locations, I made a mark near the south pole. I selected the center of these three marks to be the south pole.



Picture 2. In this photo, the tail center is being used to align the ball on center before the chuck is tightened.

I then mounted the sphere between centers on the lathe and drew a circle around it at the equator location. I engaged the indexing pin and marked one of the holes. I moved 90 degrees (six holes on my Nova DVR 3000 index head) and made another mark. Two more equal moves and I had four equally spaced holes marked on the

equally spaced holes marked on the equator line. At this point, I was ready to start drilling holes. If you can manage to set your pencil compass to the

1.7675" dimension, you can easily layout the holes with the compass. Select a pole position and insert the point. Draw a line around the sphere. On that line select some point and draw another circular line around the sphere. Now at one of the intersections of these two lines, draw another line around the sphere. This gives you a location for the other pole position and four equally spaced lines on the equator line. Of course, all of this assumes that the ball is perfectly round.

Mount your sphere in the chuck with one of the positions aligned with the axis of rotation of the lathe determined by inserting the tailstock center into the intersection of the lines. Lock the chuck down and replace the tailstock center with the drill chuck and a 1-1/2" Forstner drill bit mounted in it. Drill into the sphere until the outside edges of the Forstner drill bit is ready to cut the surface of the sphere. Make a mark on the side of the drill bit that is 5/16" from the surface of the sphere. Drill down to this line. Check to make sure that your hole is 5/16" deep. If it is, use a fine point pen to mark a line on the drill bit to indicate the depth of cut. This is for use on the other five outside holes. Figure 2 shows the relationship of any four holes drilled on the equator at each drill depth.



Figure 2. This drawing shows what is happening inside the sphere if a cross section was taken through the center of any four holes.

Note: If the wood is fairly hard and heats up while drilling, I suggest that you arrange to flow air onto the wood and drill bit while drilling to prevent heat cracks and possible failure of the project.

You now have a decision to make. You can align each of the other holes and drill the 1-1/2" hole for each of them before changing to the next smaller size drill. Or you can drill holes with all of the drills with this set up. I'm personally not sure which is the safest. I have done it both ways and had failures doing it both ways.



Picture 3: This set up shows the operation of drilling the first step at any given position. Note the mark on the drill which was made after the first hole was drilled in the ball.



Picture 4: By drilling two adjacent holes, you can check to ensure that you are drilling to the proper depth to obtain the optimal overlap of the holes to create the effect of cubes.

All of the rest of the holes to be drilled must be 3/16" deep from the

bottom surface of the previous hole and in each case they are 3/8" smaller than the preceding hole. Therefore, the next size down drill is 1-1/8" in diameter. I recommend that you back off your tailstock spindle as far as it will go and make a mark on it to indicate zero. Then make a mark again when the tailstock spindle has moved out 3/16". With the tailstock spindle set to the first mark, move the tailstock assembly in until the drill bottoms against the surface of the previous hole. Lock down the tailstock assembly and drill in until the 3/16" mark appears. Retract the drill and check the depth of the hole. If the drill slips in the chuck or the tailstock slips on its mounting, your hole will not be the right depth. Therefore, I recommend checking each hole for depth. The next hole to drill is the 3/4" hole. It should also be drilled 3/16" deep. Repeat this operation for the 3/8" drill and you are ready for the next hole location.



Picture 5. This photo shows that all of the first holes have been drilled and then the other levels on this hole have also been drilled.

When all holes are drilled, you should be able to look into the holes and see what looks like decreasing sizes of cubes all connected to the previous layer at their points. A project such as this requires a

stand. You could simply make a little egg cup-type stand to set it in; however, it would be hard to keep the item oriented properly using this type of mounting. Therefore, I felt a permanently attached base would be better. I turned the base for the one illustrated in the photo at the beginning of this article out of African Blackwood. I turned a small tenon on the top of the base and drilled a matching hole in the sphere. This hole needs to be located in the center of one of the triangular area between three holes. This gives the best orientation, in my opinion, for the finished project. What I've just described is how I did the first one of these, made out of a 2-1/2" sphere. Unfortunately, my 40+ year old mathematics doesn't seem to allow me to work out the formula to determine how deep the first hole needs to be drilled on any size of sphere and what size diameter hole is required. I thought I could just use the same formula going up in size as I do in going down in size, but something didn't seem to work here either.

What I have determined is that by drilling two adjacent holes of an estimated size, I can determine at what depth that size hole will overlap and give the desired opening at the interception. Using this method, I was able to increase the size of the sphere slightly to give four steps in the sphere. I had to use a different size starting drill, which changed all of the other drills used. Each drill still had to be 3/8" smaller than the previous one and was drilled into the sphere 3/16" deep from the previous level. In this case, the last hole drilled was 1/2" instead of 3/8" as for the smaller sphere. This project required me to make up a larger chuck out of three inch PVC compression fitting.



Picture 6. This photo illustrates the first successful version of this project and the number two version which is made from a larger sphere and contains four steps inside each hole.

Making the Ball Chuck

My first chuck of this type was made from a 3" PVC compression coupling. I cut off one end to make a very nice chuck. I glued a 1 inch, 8 tpi nut into a block of elm and turned it to fit inside the coupling, glued the wood into the coupling, inserted four screws to help the glue, turned a hemispherical depression for a 2-1/2" sphere in the elm, turned a piece of 1/4" plywood to fit inside the lid, put the lid and plywood onto the



Picture 7. This photo shows the basic components of the ball chuck that I use. Left to right: screw on cap, plywood washer to fit between the sphere and the cap, male part of the PVC compression fitting is fitted with a hardwood block with a spherical recess. This one has sandpaper glued in to grip.

chuck body and turned a hole in the plywood to fit onto a 2-1/2" ball. I then drilled a hole to insert a piece of 3/8" dowel to use as a lever for tightening and loosening the cap, glued a 3" sanding disk into the bottom of the hole (after cutting slots all of the way around), and I had a very serviceable ball chuck. The only problem was that the cap was too big for my hand and I had problems screwing it down and loosening it. I repeated the operation with a 2" compression coupling and used a Oneway Chuck insert instead of a 1 inch 8 tpi nut. Now I have a chuck with a screw-on lid that I can hand tighten and loosen and that can be adapted to any lathe that I can buy a Oneway Chuck insert for. It works great.

These chucks are very easy to make. It takes me about an hour to make one. I've found that either a Oneway Stronghold Chuck Insert or a piece of cross grain oak with 8 tpi threads to fit a Nova Chuck Insert work very well for me. However, you can mount the wooden block onto a dedicated faceplate to fit your lathe.

Another thing that I'm doing these days is to coat the spherical hollow with hot melt glue. I then take a round nose scraper and spread the glue evenly on the surface of the spherical hollow. When I'm ready to chuck up a sphere, I turn on the lathe and sand the spherical hollow lightly with 80-grit sandpaper. This slightly warms the glue surface and allows it to grip the sphere very firmly. I should caution, do not warm it too much or you may find your sphere permanently attached to your chuck.

Have fun with this new way to decorate a sphere!

More Woodturning Magazine Events Calendar Listing - December 2015

January 29, 2016 to January 30, 2016 Tennessee Association of Woodturners 28th Annual Woodturning Symposium SYMPOSIUM Location: Franklin, Tennessee Dates: Friday, January 29, 2016 to Saturday, January 30, 2016 Description: In addition to the roster of featured demonstrators, this symposium includes a vendor area, instant gallery, a banquet, and an auction. Website: https://www.tnwoodturners.org/symposium/ January 30, 2016 to January 31, 2016 Alaska Woodturners Association 2016 Symposium SYMPOSIUM Location: Anchorage, Alaska Dates: Saturday, January 30, 2016 to Sunday, January 31, 2016 Description: Every year the AWA hosts a Woodturning Symposium presenting Master Turners with International or National status. You do not have to be an experienced turner to gain education, tips, and skill building techniques from this event, nor do you have to be a member of the Association to enjoy this educational experience. Featured turners are: Jimmy Clewes, Al Stirt, Tom Coghill and Bob Congdon. The Symposium will also feature an Instant Gallery of A members' turnings. Website: http://www.akwoodturners.org/Symposium.php 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); Â and five well-known workshop leaders (Dixie Biggs, Don Geiger, Kimberly Glover, Richard Morris, Ted Smith). Website: http://floridawoodturningsymposium.com February 19, 2016 to February 21, 2016 American Craft Council Baltimore Show EXHIBITION Location: Baltimore, Maryland Dates: Friday, February 19, 2016 to Sunday, February 21, 2016 Description: It's a craft show like no other! Join us for our three-day celebration of all things handmade, where more than 650 top contemporary jewelry, clothing, furniture, home décor, and wood artists from across the country gather under one roof. ItâTMs your chance to touch, feel, and explore highquality American craft and meet the makers behind the fabulous work. This is the American Craft Councilâ[™]s flagship show â" a must-attend for craft lovers. At the Baltimore Convention Center. Website: http://shows.craftcouncil.org/baltimore

February 26, 2016 to February 28, 2016 Desert Woodturning Roundup SYMPOSIUM Location: Mesa, Arizona Dates: Friday, February 26, 2016 to Sunday, February 28, 2016 Description: Eight renowned turners will demonstrate in rotations. Also included are a live turning competition, a pen turning event, vendors, instant gallery, silent and live auctions. Website: http://www.desertwoodturningroundup.com March 11, 2016 to March 13, 2016 American Craft Council Atlanta Show EXHIBITION Location: Atlanta, Georgia Dates: Friday, March 11, 2016 to Sunday, March 13, 2016 Description: It's a craft show like no other! Join us for our three-day celebration of all things handmade, where more than 650 top contemporary jewelry, clothing, furniture, home décor, and wood artists from across the country gather under one roof--including woodturners. ItâTMs your chance to touch, feel, and explore high-quality American craft and meet the makers behind the fabulous work. A must-attend for craft lovers. Website: http://craftcouncil.org/post/2016-american-craftcouncil-shows March 18, 2016 to March 20, 2016 Turnfest 2016: Australia SYMPOSIUM Location: Southport, Queensland Dates: Friday, March 18, 2016 to Sunday, March 20, 2016 Description: This symposium features fifteen of the highest quality woodturning artists and teachers in multiple rotations. Also includes an instant gallery, a woodturning clinic, and an onsite tool shop. Website: http://turnfest.com.au 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 Woodurners Association (AWA), a special interest group of the Northeastern Woodworkers Association (NWA). Features include an Instant Gallery, a vendor area, and worldclass woodturning presentations offered in rotation. Website: http://www.totallyturning.com

April 08, 2016 to April 10, 2016 American Craft Council St. Paul Show EXHIBITION

Location: St. Paul, Minnestoa Dates: Friday, April 08, 2016 to Sunday, April 10, 2016 Description: Join us for our three-day celebration of all things handmade, where more than 225 top contemporary jewelry, clothing, furniture, home $d\tilde{A}$ ©cor and wood artists from across the country gather under one roof. Itâ \in TMs your chance to touch, feel, and explore high-quality American craft and meet the makers behind the fabulous work. A must-attend for craft lovers!

Website: http://craftcouncil.org/post/2016-american-craft-

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 industryâTMs top professioaaals, 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

August 05, 2016 to August 07, 2016 American Craft Council San Francisco Show EXHIBITION Location: San Francisco, California Dates: Friday, August 05, 2016 to Sunday, August 07, 2016 Description:

It's a craft show like no other! Join us for our three-day celebration of all things handmade, where more than 225 top contemporary jewelry, clothing, furniture, home dacor and wood artists from across the country gather under one roof. It's your chance to touch, feel, and explore high-quality American craft and meet the makers behind the fabulous work. A must-attend for craft lovers! Website: http://craftcouncil.org/post/2016-american-craft-council-shows

September 24, 2016 to September 25, 2016 Mid Atlantic Woodturning Symposium SYMPOSIUM Location: Lancaster, PA Dates: Saturday, September 24, 2016 to Sunday, September 25, 2016 Description:

This symposium includes eight nationally renowned demonstrators, 32 demonstrations, an instant gallery, an awards banquet, and a trade show with woodturning suppliers. Website: http://www.mawts.com

November 05, 2016 to November 06, 2016 VA Woodturners Symposium 2016 SYMPOSIUM Location: Fishersville, VA Dates: Saturday, November 05, 2016 to Sunday, November 06, 2016 Description:

This event provides an environment of networking, education, and collaboration. Through active demonstrations, they provide avenues for expression in one's woodturning, as well as introducing non-turners to the craft. Website: http://virginiawoodturners.com