



Space Coast Woodturners

Newsletter of Space Coast Woodturners – June 12, 2019

Submitted by Randy Hardy – Secretary

Just a reminder – the meetings are held on the **second Wednesday** of the month from 7:00 – 9:00 PM and the hands-on sessions are held on the **third Saturday** of the month from 9:00 AM – 5:00 PM at Melbourne Village. Doors will be open at around 8:00 AM so come early and help set up. We always need extra help with the lathes, etc.

Russ Bremmer welcomed everyone to the June meeting of the Space Coast Woodturners at 7:00 pm. He asked if there were any visitors – there were none. He asked if there were any birthdays this month – there were three: Read Johnson, Ken Thurman, & Rex Bradburn. The demonstration for tonight is Russ Bremmer with a lidded box. Pepper mill hands-on at the last hands-on went pretty well – the walnut blanks were still very wet & some of the Forstner drill were not sharpened. Jack Shelton may do the demo for July, but it is not confirmed. Russ will not be at the July meeting.

Dewey Treanor volunteered to takeover the website. He is working with Bill Howard, but some of the software is very old & may not work on Window 10 PCs. Bill also said that we need a credit card on file for the web hosting. Reenie Pirjevec questioned why that is needed & Dewey said he would find out.

The John Jordan demonstration & classes is off again.

Treasurer – Reenie Pirjevec:

Reenie reported that the club has \$xx in the checking account. The proceeds from the wood auction are not included in this total. The proceeds from the wood auction are split 70/30 with Lil Baxter.

Rick DeTorre – Club order:

We received an order & have about \$10 toward the next order. The way it works is Rick collects club orders to Craft Supply USA - when the total reaches \$1,000 he submits the order & we receive the merchandise at a discounted price (10%) & no shipping costs or tax.

Gary Christensen – Honor Flight Pens:

We have enough pens for the next two flights. We still need 4 pens to cover us for the year. See Gary if you would like to make a pen.

Demos at club meeting:

July – Jack Shelton - Tri – cornered box

August – Lee Sky

September - CNC router by Paul Jackson

October – Christmas ornaments

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Hands on activities to be held on the 3rd Saturday of the month tentatively include:

July – Andy Cole (?)

New Business:

Ken Thurman brought copies of old SCWT Newsletters – there are some good articles in them. Feel free to look through them, but make sure Randy Hardy has them at the end of the meeting. He will try to scan them & make them available in the SCWT Newsletter archive on the website.

Russ Bremmer attended a meeting for next year's Florida Woodturning Symposium. Registration opens in August (probably). The symposium will not be raffling off a big lathe this year. Demonstrators have already been selected – visit the website for more details - <http://floridawoodturningsymposium.com/>

Show & Tell

- Russ Bremmer Hammer to adjust hand plane, burnisher, & awl. Kits from Alan Lacer
- John Conway Cherry burl bowl with live edge – lacquer finish
Ambrosia maple 2 person salad bowl, WATCO Butcher Block finish
Box elder live edge bowl
- Rick DeTorre Cuban mahogany bowl – finish is equal parts helmsman spar varnish, tung oil, &
Turpentine – 4 or 5 coats.

Wood auction: wood donated by Ken Thurman

Rex Bradburn	Rosewood	\$10
Bill Lutian	Big leaf maple burl	\$10

Lathe box:

Please design a box for the new lathes. The dimensions are 32" x 8" x 6". It should be lockable & easy to clean. The member that produces the winning design will receive a gift certificate.

Demonstration – Russ Bremmer

Lidded Box

Turn a cylinder with a tenon on it. Russ used a peeling cut with a skew chisel. He then parts the top from the bottom. He normally uses a narrow parting tool. Russ used a parting tool to make a deep groove & then used a saw to separate the top & bottom. He left the groove & hollowed out inside – it's end grain hollowing & he prefers a scraper for this. It could also be done with a hook tool. For a tea caddy, you need an airtight lid or possibly two lids – an inner lid & an outer lid. He talked about a Rose engine lathe – it would be a great addition to putting patterns on a lidded box. Wynn Arnold showed a tool that he cut out of an aluminum sheet using his CNC router that measures the size of the tenon. He attached the aluminum to the bed of his CNC router by 1st applying painter's tape & then gluing it with super glue. When he was done, he just peeled the tape off. Trent Bosch uses a gun barrel drill to drill holes – he attaches it to compressed air & the carbide tip drills easily through wood.

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Raffle:

Gift Certificate - \$10 to Craft Supply	Russ Bremmer
Book	Reenie Pirjevec
Book	Randy Hardy
Book	Bill Lutian
DVD Rental	John Conway
Wood – wenge	Wynn Arnold
Share the wealth (bullet pen or seam ripper by Paul McDaniel)	Paul McDaniel
Bring Back (bottle stopper by Paul Jackson)	John Conway

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That means that you achieve different objects when you turn an object with an even number of sides depending on whether you orient the piece with flats against the headstock/tailstock or the points. For example, if you orient the flat sides of a square against the HS/TS, you might get a cylinder shape. However, if you orient the points of the square against the HS/TS, you might get a diamond shape. There is a separate class of Streptohedrons called hybrids. If you turn two objects with an even number of sides – one on points & the other on flats & then permanently glue $\frac{1}{2}$ of the “flats” object to $\frac{1}{2}$ of the “points” object, you get a weird object that is referred to as a hybrid.

The slides (file is attached) describe how to design all of the polyhedron shapes, but a much easier approach is to use Sketchup (a free 3D drawing application) to draw & dimension them for you. Randy then showed Sketchup models for several polyhedrons – triangle, square (points & flats), pentagon, hexagon (points & flats), octagon, heptagon (points & flats), & decahedron. He then showed Sketchup models for some branch strepohedrons like 3 rings, five rings, & bunch of rings.

To make a box, split the wood along the axis parallel to the ways of the lathe & glue it back together with a temporary glue joint (like a newspaper glue joint), Turn the desired shape (the example uses a pentagon) & leave a tenon on both the top & bottom. Split the turned object into 2 pieces perpendicular to the ways of the lathe (the example of a pentagon, the round bottom is the lower half & the cone shape is the upper half). Mount each half separately & hollow the inside of the object using the custom tool described in the book “Woodturning – Full Circle”. Turn off the tenons & permanently glue the top half to the bottom half, making sure the temporary joint is aligned. After the glue dries, split the temporary glue joint. The example then used magnets in drilled holes to attach the box bottom & lid.

Raffle:

Craft Supply gift certificate - \$10	Ken Thurman
Craft Supply gift certificate - \$10	Randy Hardy
Cottonwood Burl (donated by Rex Bradburn)	Rick DeTorre
Craft Supply gift certificate - \$10	Bob Cusumano
DVD rental	Paul Jackson
Share the wealth – Box elder bowl (from Russ Bremmer)	Dotty Pugh
Bring Back – pen (from Bob Cusumano)	Paul Jackson

In this video, David Springett further explains and demonstrates the use of the shopmade jig he uses to make twisted boxes

<https://www.woodturner.org/page/AWVideo2016Aug314B>

In this video, Michael Zurcher experiments with a nested hollow form.

<https://www.youtube.com/watch?v=B56N8cmYCeE>

In this video, Mike Waldt demonstrates his method for reshaping a gouge with a straight over grind to one with a fingernail grind and swept back wings.

<https://www.youtube.com/watch?v=CheSEXBQNFk>

You might need to be an AAW member in order to view these videos. Just copy the link into your browser.

Next meeting: June 12, 2019

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The Chapter's Purposes, in addition to supporting the general purposes of the AMERICAN ASSOCIATION of WOODTURNERS, Inc., are to:

1. Provide a meeting place for local woodturners
2. Share ideas and techniques regarding this craft
3. Trade woods
4. Exchange ideas about tools
5. Exhibit finished projects

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