



Space Coast Woodturners

Newsletter of Space Coast Woodturners – September 11, 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 opened the meeting at 7:00 PM & welcomed everyone to the September meeting of the Space Coast Woodturners. He asked if there were any visitors – there were one – Paul Jackson's wife. The demonstration for tonight is Paul Jackson with a CNC router that doesn't require a table.

Demos at club meeting:

October – Christmas ornaments by Rick DeTorre – wood, maybe sea urchin

Hands-on workshops (Saturday)

October – Christmas ornaments, stands, inside out ornaments.

Old Business:

The club's OneWay lathe kept cutting off during Jack Shelton's demo several months ago. Read Johnson & Russ Bremmer swapped the controller (Russ has same lathe) & couldn't recreate the problem. They plan to do lathe maintenance & take it apart as much as possible, clean it, & reassemble.

New Business:

Registration is now open for the 2020 Florida Woodturning Symposium to be held at Lake Yale February 7–9, 2020 (their website is <http://floridawoodturningsymposium.com/>). The featured demonstrators are Nick Agar, J. Paul Fennell, Judy Ditmer, & Keith Gotschall. The regional demonstrators are Frank Penta, Jack Shelton, Steve Cook, & Jon Hollingshead. There are workshops by Dixie Biggs, Rudy Lopez, Lee Sky, Dave Farrell, & Don Geiger.

Wynn Arnold moved to buy new wheels for the audio equipment cabinet (seconded by Randy Hardy). Club agreed unanimously.

Christmas party (December 11, 2019) – same as last year. We need to reserve & pay for the room.

Space Coast State Fair – setup 2 pop up tests. Cost for club is ~\$1,000. We have ~60 time slots & we need each time slot manned by 2 people. Russ Bremmer moved that we do the Space Coast State Fair. The motion died for lack of a 2nd. The Space Coast State Fair is out. We need to do some other venue to recruit new members. Reenie Pirjejev brought up Sam's House. Wynn Arnold volunteered to get the contact info for newspaper. Ken Thurman brought up the annual wood carving show in Eau Gallie – Wynn said he would get with Newell Sutton to get more details. Reenie asked if we would be selling items. Russ said we're not setup for that – we don't have a card reader, but we'll work on that. We also need to determine what we need for a display: canopies, tables, shelves, lights, power, etc. & what items we would display: bowls, vases, pens, hats, etc. Rick DeTorre suggested we get a booth at the Renninger Flea Market - booths there cost ~\$200 for the main isle & ~\$150 for the side aisle for the month.

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Russ moved that the club make a brochure & business cards (seconded by Ken Thurman). Costs will be minimal. Club passed it unanimously.

Rick asked about pens for the honor flight.

The club's video projector needs to be replaced. Read Johnson & Bill Lutian will see if the Brevard Woodturner's projector is available & how much they want for it. Randy Hardy brought up the fact that our club plans to become capable of receiving remote demonstrations from nationally known turners & the Jacksonville club (who just upgraded) found that they had to replace their projector with a large screen TV in order to comply. Before we spend money on a new projector, we should verify that it will meet our future needs.

The storage facility needs to be repaired. The plan is to lift all 4 corners & put in pads to support it. Melbourne Village has been contacted & they're willing to use their front end loader to lift the container.

Officer's Reports:

Treasurer – Reenie Pirjevce: We have \$3,455.88 in the checking account.

Secretary – Randy Hardy: I won't be here next meeting so I need someone to take notes.

Auction:

Norfolk Island Pine Paul Jackson \$1

Show & Tell:

John Conway Ambrosia maple burl – bowl. Watco butcher block finish

Randy Hardy Table lamp made at club hands-on workshop
Bowl gouge with PVC handle

Rick DeTorre Christmas ornament with stand – spalted elm, finials from walnut

Read Johnson Kaleidoscope – Royal Mexican ebony with bearings. Parfax finish

Frank Worrall 2 bowls from glue-up – oak & cedar. Chestnut dye.

Club Order

Rick Detorre said he has ~\$450 toward the next Craft Supply order.

Demonstration – Paul Jackson

CNC Router

See handout. A DVD of this demo is available from Bob Cusomano (& also of most previous demos like last month's demo by Lee Sky). This all started when Paul brought in a 12 segment (walnut & cherry) platter that the pieces were cut out on a Wedgie Sled & routed with this CNC router. He's going to make a platter with a 7 petal flower (which doesn't exist in nature because the number of petals has to be a Fibonacci number). He uses a CNC (computer numerically controlled) router. CNC was 1st used on a lathe in 1952. It came about because they finally came up with a servo motor that could move a cutting bit with enough force & enough precision.

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Most CNC routers require a big bed that the router moves across, but not this one. It can only move the bit in ~1" radius – it relies on manual power to track a long a predetermined path. It differs from a regular CNC router with an attached bed by only traversing in 2 dimensions (X & Y) as opposed to 3 dimensions (X, Y, & Z). The user provides the macro motion along the cut path & the CNC router performs the micro motion within the 1"radius. It has a camera that registers where it is. The spindle is only 1 HP – some others have a 3 HP with a water cooled spindle. Paul does the initial cut with 1/100 mm(?) offset & then removes the offset for the final cut. This provides a nice, clean cut for the piece. He designed this piece using software called Fusion 360, an Autocad 3-D drawing package that is free to hobbyists. You could also use SketchUp (also free to hobbyists). You need to generate a file in Scalable Vector Graphics format (*.svg) for the CNC router to be able to read it. Price today is \$2500 - He bought his 3 years ago pre-production for \$1500. It uses standard 1/4"bits. Changing collets is not currently supported. To rent this device out from Paul, talk to his business manager.

Raffle:

Cherry block of wood	Read Johnson
Gift Certificate - \$10 to Craft Supply	Paul Jackson
T – shirt	Dotty Pugh
Gift Certificate - \$10 to Craft Supply	Russ Bremmer
Symposium patch	Paul Gell
Marblewood	Randy Hardy
Gift Certificate - \$10 to Craft Supply	Randy Hardy
T – shirt	Frank Worrall
Rosewood	John Conway
DVD rental	Rick DeTorre
Share the wealth (Bottle brush burl - Ready to pour)	Paul Jackson
Bring Back (toothpick Holder (from Terry Justice)	Rick DeTorre

Once you've perfected your sphere, are you looking for something more you can do with it? Here's the spherical brainchild of Andy Phillip.

https://www.youtube.com/watch?v=Dd_njU_f_qI&feature=youtu.be&list=PLBSy9RchH50H2vVnJ66RtqzXGYRBy4LZI

In this video, Mike Peace explains the basics of wood grain and why it is important in woodturning and how it affects your choice of wood and tools, as well as your cutting and finishing techniques.

<https://www.youtube.com/watch?v=QDaSD3S1pCY&feature=youtu.be>

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

Next meeting: October 9, 2019

SPACE COAST WOODTURNERS

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

Officers:

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