



## Club Demonstrations

### Randy Gazda – March 29<sup>th</sup>

First we would like to give **Randy Gazda** a very special thanks for traveling from Seeley to give us his usual excellent demonstration. He has always been, and still is, a Special Member who has supported our club in all ways.



This is what you can make

First he teased us by showing a stool that he had made in the past. Then, he took us through the steps of turning one.

His explanation in turning the seat, legs, etc. was in his usual excellent manner to give us the confidence that we would be able to create one.

It was most interesting to watch him drill holes for the stretchers free hand. Then assemble the stool and give us the steps to ensure that the legs were square on the floor.

Randy provided us with an excellent hand-out that supplements his demonstration and ensures we have the information to refresh our memories.

One of the special pieces of advice Randy provided is...The explanation of gluing the leg stretchers under tension. He pointed out that this is the reason 100 year old Windsor chairs are still as strong as when first made. With the stretchers under tension instead of compression the wood actually helps to strengthen the joint, not relying only on the glue for sturdiness.

Again, thanks Randy for an excellent demo and continuing to support the club.





Now to the finishing room...

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Jay Eklund – April 1<sup>st</sup>



After watching **Jay Eklund's** demonstration of eggs and mushrooms I came home and had an omelet.

First Jay brought in a great example of real eggs to show us that eggs of all

species are not perfectly shaped with every egg. That itself gave us the confidence that we can turn eggs.



Then Jay gave us an excellent demonstration on turning small scraps of wood into eggs that can be displayed in a variety of ways. He made turning an egg seemed so simple that all of us can use it to sharpen our turning skills, create a great conversation piece and a very nice gift to family and friends.

Jay took it a step further and demonstrated making mushrooms. Again he pointed out that mushrooms can be a variety of shapes so there is no specific shape to inhibit us from give turning mushrooms a try. His excellent demo on turning a mushroom and explaining all the possible variations of shapes and sizes was a confidence builder to both the experienced and novice turner.



**\*\*Apr 19<sup>th</sup>** Demo – Sam Sampedro – Finishing a Rough Turned Bowl

**\*May 6<sup>th</sup>** Meeting, Demo – Sam – Sharpening

**\*\*May 19<sup>th</sup>** Demo – Wayne Petrini – Putting Finishes on Your Work

**\*Jun 3<sup>rd</sup>** Meeting - Demo – Chuck Kuether – Drying Wood in a Microwave

**\*\*Jun 21<sup>st</sup>** Demo – Jigs, tips, tricks, and tools – everybody bring some of your best.

**\* 6:30 PM**

**\*\* 12:30**



Samples of Jay's Egg Turnings

Thanks Jay for all of your information, preparation and an outstanding demonstration.

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## Club Meeting Schedule & Demonstrations

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## Club Demonstration DVDs

A reminder to the club that almost every demonstration conducted since the club's inception has been recorded on DVDs. They are available for sale to members for \$5 and non-members for \$10. A listing is at the end of this and every newsletter. We try really hard to keep the list up to date.

Please be aware that at the end of the newsletter is a listing of the Video and Book Library items. These items are available to be checked out at no cost for your education. Please limit the loan period to two weeks so others may check them out.

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## Perpetual Bowl

The 'Perpetual Bowl', turned by **Terry Hill** was won **Rich Charlson**. Rich has the honor of providing the perpetual bowl for the May 6<sup>th</sup>, 2014 meeting.

Unfortunately an image of the bowl is not available

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## Shop Tip – Barry Rockwell: Sharpening

<https://www.youtube.com/watch?v=bZSkLBg730Q>

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## Entertainment Tip – Sam Sampedro

At the following URL is a segment of This Old House. When you go to the site a commercial will play then the segment of this old house will appear. Select Scene 4 and watch an amazing lathe and the turning of an oval picture frame. I found it to be very cool.

<http://www.thisoldhouse.com/toh/tv/video/0,,20802100,00.html>

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A very special **THANKS** to the following members who

donated bowls to the YWCA Empty Bowl Program.

Terry & Ben Hill  
Del Johnson  
Tom Krajacich  
Chuck Kuether  
Barry Rockwell  
Sam Sampedro  
Roger Wayman

Their donations are shown in the Instant Gallery and are noted as: (YWCA)

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**Editor's Comment:** My thanks to the following individuals who helped with the content of this newsletter:

Barry Rockwell  
Chuck Kuether

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# Photos of the Instant Gallery

(Great Photos by Paul Snyder)



Roger Wayman



Roger Wayman



Terry & Ben Hill (YWCA)



Terry & Ben Hill (YWCA)



Terry & Ben Hill (YWCA)



Tom Krajacich (YWCA)



Tom Krajacich (YWCA)



Del Johnson (YWCA)



Tom Krajacich (YWCA)



Terry & Ben Hill



Tom Krajacich (YWCA)



Terry & Ben Hill



Gary Campbell



Barry Rockwell (YWCA)



Barry Rockwell (YWCA)



Justin Meyer (Sam's Grandson)



Barry Rockwell (YWCA)



Barry Rockwell (YWCA)



Barry Rockwell (YWCA)



Barry Rockwell (YWCA)



Barry Rockwell (YWCA)



Barry Rockwell (YWCA)



Barry Rockwell (YWCA)



Barry Rockwell (YWCA)



Sam Sampedro (YWCA)



Sam Sampedro (YWCA)



Sam Sampedro (YWCA)



Sam Sampedro (YWCA)



Sam Sampedro (YWCA)



Chuck Kuether (YWCA)



Chuck Kuether (YWCA)



Roger Wayman (YWCA)



Chuck Kuether (YWCA)



Roger Wayman (YWCA)



Chuck Kuether (YWCA)



Terry & Ben Hill

# 2014 Turning Club Demos

- Sat Apr 19     Sam, finishing a rough turned bowl
- Tues May 6    Sam, Sharpening (by request)
- Sat May 19    Wayne Petrini, Putting finishes on your work
- Tues Jun 3    Chuck, drying wood in a Microwave
- Sat Jun 21    Jigs, tips, tricks, and tools – everybody bring some of your best.

# Regional Symposiums

## **Woodturners of Olympia, WA / 2014 Symposium - Richard Raffan**

Registration for the 7th Annual Woodturning Symposium is fully open.

You can register by mail or On line at:

[http://www.woodturnersofolympia.org/?page\\_id=1740](http://www.woodturnersofolympia.org/?page_id=1740)

Symposium: July 26, 2014

Location: Lacey, WA

Program: Richard Raffan and Nick Stagg.

For more Information contact:

AL Price

Symposium Dir.

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

360-791-0396

[aprice44@aol.com](mailto:aprice44@aol.com)



## [Turning a Closed-End Jr. Gentlemen's Fountain Pen](#)

[Project Articles](#) / [Leave a Comment](#)

Pen turners often experiment with new designs and techniques to help make their pens stand out from all the others. Complicated designs and techniques can take years to master and can discourage beginning pen turners.

One way to give a pen a custom look with a minimal amount of extra effort is to use a closed-end mandrel when turning. With a closed-end mandrel, even the “greenest” pen turner can create a custom pen or project using a standard kit without learning complicated techniques. Closed-end mandrels give you the option of leaving one or more ends of the project “closed” which means that it has a solid wood end. This technique opens up a whole new realm of possibilities by allowing you to create custom shapes and sizes.

We are going to turn a closed-end pen using a Jr. Gentlemen's pen kit. It's a very popular pen style that lends itself well to closed-end mandrel designs. For this Jr. Gentlemen's pen, we're going to use a Tru-Stone Malachite pen blank. It drills and turns easily and will look great when paired with a Jr. Gentlemen's pen kit.

### **Preparing the Blanks**



Draw a line to maintain grain alignment

To prepare the blank for drilling, mark a line across the blank providing a visual reference to maintain proper grain alignment. Because this pen will have a closed-end on each end of the pen, we need to cut each blank 1/2" longer than the respective tube.

The extra material is what provides the ability to leave the solid or closed-end on the barrel when turned. If you're turning a Jr. Gentlemen's rollerball pen, the lower section blank will need to be even longer to accommodate the rollerball refill.

### **Drilling the blanks**



Add masking tape to act as a depth gauge

Before we drill the blank, we need to measure the length of the tube to be used and transfer this measurement to the drill bit by wrapping it with masking tape. The masking tape acts as a visual reference on how deep to drill the blank.



Spray the blank with water to act as a coolant

A popular technique that helps prevent cracking of pen blanks when drilling is to spray the drill bit and blank with a little water to help act as a coolant and lubricant while drilling. Give it a try, it really works! Go ahead and drill the blanks as described making sure to drill slowly while clearing the drill bit frequently.

### **Gluing the tubes in the blanks**



Stubby pen mills are essential for closed end pens

Once both blanks are drilled to the correct depth, let's glue the tubes in using CA glue or epoxy. Once the adhesive has dried thoroughly, we're ready to square the ends of the blanks using a barrel trimmer. This is a critical step in creating a pen that doesn't have gaps between components when pressed together. A barrel trimmer does two things, it squares the end of the blank and removes glue residue from inside the brass tube. In most cases, we can't use a standard barrel trimmer shaft as it's too long to fit into the blank. For this reason, we'll

use a Whiteside Stubby Pen Mill that will allow us to barrel trim without bottoming out.

### **Closed-End Mandrel Setup**



Make sure to use the correct bushing

Because closed-end mandrels depend on very tight tolerances for holding the brass tube/blank securely in place while turning, using a properly sized closed-end mandrel is critical.

Before we mount the closed-end mandrel on the lathe, we need to place the correct sizing bushing on the small end of the mandrel. The sizing bushing represents the final barrel size. Be sure to stop the lathe often to check the barrel size as you go. You know, the "measure twice, cut once" concept.

Now that the sizing bushing is on the mandrel, go ahead and mount the mandrel in a collet chuck or a drill chuck. Place the roll pin in the center of the milled area on the mandrel and slide the blank onto the mandrel until it rests against the sizing bushing. Position a revolving center with a cup point against the end of the blank for support while turning. Using the tailstock for support whenever possible is a good policy as it provides much needed stability and eliminates vibration too. Now that we are ready to turn, let's get to it!

### **Turning a Closed-End Jr. Gentleman's pen**



hand to gently support the work while you cut with the other. A small amount of pressure will help eliminate chatter and improve control. Now we're ready to sand and polish!

## Sanding



A roughing gouge makes quick work of Tru-Stone

Before we begin, throw on a face shield and dust mask for protection while you turn. Turn your lathe on and set it to about 2500 RPM.

We'll use 3/4" roughing gouge to bring the square blank to round as it will make quick work of the Tru-stone. However, you'll need to sharpen frequently as Tru-stone will dull the cutting edge fairly quickly. If you don't have a 3/4" spindle roughing gouge to rough the blank down to round, you can use a standard 3/8" spindle gouge which is also what we'll use for final shaping including detail work as needed. Be careful when you're turning to not turn through the side wall of the pen.

Wet sand to keep the blank cool

To get a final finish that's beautiful and soft to the touch, we'll use the following process for sanding and finishing.

Let's start sanding with 180 grit sandpaper. Use a bit of water or walnut oil on the sandpaper to keep the blank cool while you sand. If the sandpaper gets too hot to hold, it's a sign that you're applying too much pressure. Wet sand using light pressure to prevent overheating as this can cause checking on dense grain woods like ebony and pink ivory.

When you're ready to change grits, stop the lathe and sand the barrel lengthwise to remove any circular sanding scratches. This process is tedious, but is definitely well worth the effort when you're done. We want to sand through 600 grit in order to have the right surface prior to polishing.

## Polishing



Support the end of the blank with your free hand

Once you have the pen barrel turned to shape with the open end slightly larger than the sizing bushing, remove the tailstock. Carefully turn away the waste material then complete the final shaping on the end of the blank. Here's a helpful tip- Use your free



Use all three steps for a polished surface

Now that the barrels are ready for polishing, we'll get started using Micro Magic polishing wax. It's a wax based 3-step polishing system that's fast, easy to use and produces a flawless finish on plastics and similar materials.

Using a soft paper towel, apply a small amount of Micro Magic Step 1 (red jar) and begin polishing the blank. You may need to apply a small amount a couple of times in order complete the polishing process before moving onto the next step. Once the blank is polished, use a clean paper towel to buff the blank and remove any remaining polish.

Repeat the polishing process using Micro Magic Step 2 (white jar) and Micro Magic Step 3 (blue jar). When we're done polishing with Step 3, we'll buff the blank with a paper towel and we're done!

Now, let's assemble the pen and see how it all comes together.

### Assembling the Jr. Gentlemen's Pen



Make sure the parts are straight before pressing in

Assembling a closed-end Jr. Gentlemen's pen is easy, just follow the instructions provided with the pen kit. Don't get in a hurry! We need to be very careful when pressing pen parts into the turned barrels. It's critical to make sure the fittings are properly aligned with the barrel so that they press in straight. Attempting to press parts together that aren't properly aligned will result in a cracked or ruined barrel and possibly a few choice words, especially when using hard materials or plastics.

We've finished our closed-end Jr. Gentlemen's pen! If all went according to plan, it looks great and we have a good understanding of how to use closed end mandrels to open up a world of possibilities! Try this technique with segmented, stabilized, or unique pen blanks for endless combinations.



Finished Jr. Gentlemen's Fountain Pen Kit

### List of Materials

- [Jr. Gentlemen's Fountain Pen Kit](#)
- [Tru-Stone Pen Blank](#)
- [WhiteSide Stubby Pen Mill Pilot Shafts 10.5mm and 12.5mm](#)
- [Pen Drilling Vise](#)
- [Apprentice Collet Chuck](#)
- [Closed-End Pen Mandrels 10.5mm and 12.5mm](#)
- [Precision Machine Revolving Center](#)
- [1/4" Cup Center](#)
- [Micro Magic Polishing Wax](#)
- [Pen Ultimate Assembly Tool](#)

## **Video Demo Recordings Available for Purchase (\$5.00 each for Members, \$10.00 each for Non-Members)**

1	Making a hollow ornament	Gordon Heikens	9-26, 10-3-2009
2	Turning a square edged bowl	Gordon Heikens	9-12 & 19, 2009
3	Scoop & Goblet	Gordon Heikens	10-10-2009
4	Spoon & Lidded Box	Gordon Heikens	10-17-2009
5	Plate & 4 Blade Screwdriver	Gordon Heikens	10-24-2009
6	Finishing & Buffing	Chuck Kuether	11-3-2009
7	Birch bowl turned on a screw chuck & jam	Chuck Kuether	11-7-2009
8	Christmas Ornament from 4" block	Chuck Kuether	11-14-2009
9	Hollowing alternative / Tree ornament	Lloyd Taylor/Chuck Kuether	11-21-2009
10	Bud Vase	George Gelernter	12-5-2009
11	Segmented Bowl, pattern-layout	Rich Charlson	1-16-2010
12	Segmented Bowl, base assembly	Rich Charlson	1-23-2010
13	Segmented Bowl, wall construction	Rich Charlson	1-30-2010
14	Segmented bowl, final turning	Rich Charlson	2-6-2010
15	Club Segmented Bowl #1	Rich Charlson	2-13-2010
16	Club Segmented Bowl #2	Rich Charlson	2-20-2010
17	Club Segmented Bowl #3	Rich Charlson	2-27-2010
18	Club Segmented Bowl #4	Rich Charlson	3-6-2010
19	Center Saver	Lloyd Taylor/Chuck Kuether	3-13-2010
20	Suction Fit Lidded Box	Randy Gazda	3-20-2010
21	Making and Using an Oland Tool	Tom Krajacich	4-10-2010
22	Off-center Turning	Cecil Walborn	4-24-2010
23	Vase & Stemware Bases, Scoop	Gordon Heikens	5-22-2010
24	Sharpening Tools	Gordon Heikens/Chuck	8-14-2010
25	Spindle & Bowl Basics	Gordon Heikens/Chuck	8-21-2010
26	Natural-edge Bowl	Barry Rockwell	8-28-2010
27	Selling on Ebay	Barry Rockwell	9-7-2010
28	More Bowl Basics	Chuck Kuether/Gordon	9-11-2010
29	Gifts & Finials	Gordon Heikens	10-23-2010
30	Thread Chasing	Barry Rockwell	11-2-2010
31	Pencil Pots	Lloyd Taylor	11-13-2010
32	Bread Knife	Randy Gazda	12-11-2010
33	Caragana Bowl #1	Rich Charlson	2- 2011

34	Caragana Bowl #2	Rich Charlson	2-2011
35	Winged Bowl	Gordon Heikens	8-2-2011
36	Off-center Duck	Chuck Kuether	8-20-2011
37	Making your own tools (unavailable at this time)	Barry Rockwell	10-5-2011
38	Icicles	Sam Sampedro	10-22-2011
39	Bowl Roughing	Barry Rockwell	10-22-2011
40	Mushroom Birdhouse Ornament	Barry Rockwell	11-1-2011
41	Multi-axis Turning & Miniatures	Cecil Walborn	11-19-2011
42	How to Safely Mount Wood on The Lathe	Jerry Hall/Tom Krajacich/Sam	12-6-2011
43	Natural Edge Bowl	Sam Sampedro	2-14-2012
44	Creating Blocks for Feature Rings	Randy Gazda/Terry Hill	3-3-2012
45	Finishing Demonstration	Wayne Petrini	3-17-2012
46	Sharpening Demonstration	Sam Sampedro	3-17-2012
47	Box with Inlaid Lid	Chuck Kuether	4-3-2012
48	Wood Turned Bracelets	David Stratton	4-21-2012
49	Blind Box	Reb Bishop	5-1-2012
50	Basic Bowl	Chuck Kuether	5-19-2012
51	Creating with Resin and Scalloped (Fluted)	Barry Rockwell	6-5-2012
52	Pens and Bottle Stoppers	Bob Sobolik	7-10-2012
53	Tips from Gordon	Gordon Heikens	8-7-2012
54	Fence Post Twig Pot & Turning an Apple	Barry Rockwell	9-5-2012
55	Turned Wood Pendants	Chuck Kuether	9-15-2012
56	Birdhouse Ornaments	Sam Sampedro	10-27-2012
57	Candle Holder	Paul Snyder	11-17-2012
58	Inside-Out Turning	Reb Bishop	12-4-2012
59	Segmented Platter	Randy Gazda	12-15-2012
60	Bowl from a Board	Chuck Kuether	3-23-2013
61	Hybrid Bowl	Randy Gazda	4-2-2013
62	Turning a Square Bowl	Chuck Kuether	4-20-2013
63	Bowl Turning	Barry Rockwell	5-7-2013
64	Oval Goblet	Wayne Petrini	4-18-2013
65	Turning Corian	Arnie & Rich Owen	6-4-2013
66	Tool Making	Stumpy & Splinter	7-13-2013
67	Making Tool Handles	Sam Sampedro	8-6-2013
68	Sharpening	Sam Sampedro	9-3-2013
69	Vase with Natural Bark	Wayne Petrini	10-1-2013
70	Sea Urchin Ornament	Sam Sampedro	9-3-2013

71 Coloring

Kelly Treat

11-16-2013

72 Symposium 2013 (\$20.00 for a set of 4 DVDs)

Mike Mahoney

9-20 & 21-2013

73 Miters for Stave Bowls

Kent Holtz

2-5-2014



# Great Falls Woodturners Video Library

(These videos are available to check out at no cost)

New Additions to the Video Library are noted in RED on the first month of addition

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## Professional Turner's Videos

Mike Jackofsky – Making a Hollow Vessel – 2 discs

Lyle Jamieson – Bowl Basics The Easy Way – 2 discs

Lyle Jamieson – Hollow Forms The Easy Way

Mike Mahoney – Heirlooms: Making Things That Last

Mike Mahoney - On The McNaughton Center Saver

Mike Mahoney – Nested Madrone Bowl Set

Richard Raffan – The New Turning Wood with Richard Raffan

Malcolm Tibbetts – Lessons in Segmented Woodturning – Volume 2

Malcolm Tibbetts – Lessons in Segmented Woodturning Volume 5 – More Functional Projects

Segmented Woodturners, Arrowmont Symposium November 11–14, 2010

Chatter Tool Methods – A Complete Course with Ron Brown (Donated by Barry Rockwell)

## Manufacturer's Videos

Jet Mfg. – Lathe – Safety, operation, tools, sharpening, projects

Oneway Mfg. - The Wolverine Sharpening System

## Books

Lathe Fundamentals – Rick Peters – Popular Mechanics Workshop

The Art of Turned Bowls – Richard Raffin (Donated by Chuck Kuether)