

The CNEW Skew

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Next Meeting - Thursday, May 3, 2010 - 6:30 PM**Demo Topic: Segmented Turning****Speaker: Malcolm Tibbetts****Learn & Turn: None****Leader:****Minutes: 4/5/12 Eric Holmquist****Attendance: 40 ±****Visitors:** Howard, a new turner**Learn & Turn:** Frank White—Boxes**Demo:** Frank White—Lidded Boxes**President:****Secretary:** Minutes accepted**Treasurer:**

Starting Balance: \$3808.25

Income: \$ 565.00

Expenses \$ 150.00

Closing Balance: \$4223.25

Store: Be sure to visit our store!**Library:** Rent more videos!**General:**

Norton Abrasives visit-April 9th

Bad Dog Burl visit-date to be determined

Marshfield Fair-3rd weekend in August

Frank White-July picnic-date to be determined

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President's Message:**Dave Eaton**

Hey fellow woodturners lets get ready for a really great demo this month with "Big Name Turner" Malcolm Tibbetts. Be sure to get to the church early for the best seats. We'll be setting up the video equipment as well so the view should be great from anywhere. A couple months after Malcolm, come on back for Binh Pho as well. More on his demo later...



Thanks again to everyone at the meetings who helps out! Whatever you do. We seem to be gaining momentum and as I look out among the members I am always happy to see smiling faces. In fact I have heard from a few members recently that the meetings are "fun" and enjoyable. We are getting more participation every day, and I think that's what makes the club events pleasurable. Whether you are cleaning up, bring in wood for the swap or merely fork out the old \$1 for a slice of wood I thank you for being there and becoming involved. We'll try to keep Norton Manufacturing visits, tree identification walks and open shops happening on a regular basis.

Thanks to Charley for arranging the Norton visit. Unfortunately only six members attended a very interesting and informative tour. The manufacture of the grinding and cutoff wheels we all use is a precise and detailed process from a specific design mix of various powered abrasives, to pressing into a wheel shape and finally firing in an oven to complete the process. Hundreds of types are manufactured to custom specs. for shipment to companies worldwide. A visit to the company store for discounted products ended the tour.

Open Shop with Mike Smith

Back on February 12th, Joe Giroux, Don Pillsbury, Ron Rucci, Todd Heino and I converged on Mike Smith for his open shop. Mike's shop is located in a building separate from his house. It is large, well lit and spacious. In addition to his Oneway 2436, he has a Laguna bandsaw, General cabinet saw and a piece of metal working equipment too complex for me to figure out what it does.



The shop was so clean that I was wondering if he suffers from OCD or just cleaned up for us. His shop was spotless and well organized. He generously provided us with Dunkin Donuts coffee and donuts.

The five hours were relaxed and comfortable. Mike spent some time helping Ron shape a new tool handle. Joe mounted a piece that was too big for his lathe and with Mike's guidance and suggestions, Joe turned it to a reasonable size and shape that he could continue it at home. I spent some time shaping a piece of wood from Mike's yard to a roughed out condition. Lunch was ordered from a local sub shop and the added anchovies really hit the spot.

Overall, it was a great way to spend a Saturday. If you have not gone to an open shop or offered one, consider it. It's a great way to spend a few hours with good people.

Joe McGill

Jerry Sambrook to demo at AAW

Congratulations to Jerry Sambrook for his selection as a demonstrator at the AAW national symposium in San Jose, CA. Jerry's demo is entitled "Different Pens from the Same Kit". The demo description as published in the April issue of "American Woodturner" is shown below:

"There are quite a few different pen-kit styles on the market. I will show how a simple kit can be used to make a variety of different-looking pens, most with no special techniques. I will discuss how I approach pen-making in general, and emphasize preparation and simple inlay/segmenting work. You will learn a unique approach to using an old golf club head to create a collector's style desk pen."

The Seventh New England Woodturning Symposium

**May 5, 2012 8:00A.M.—
5P.M. at Pinkerton
Academy, Derry, NH**

Sponsored by "The Guild of New Hampshire Woodworkers" and "The Granite State Woodturners"

**Registration fee is \$65 including
Lunch!**

Scheduled Demonstrators are:

Al Stirt	David Belser
Harvey Fien	Beth Ireland
Michael Kehs	Ralph Tursini
Peter Scheffer	JoHannes Michelson
Andy DiPietro	Claude Dupuis
Charlie Sheaff	Donald Briere
Donna Banfield	Fred Chellis
Dick Batchelder	Peter Bloch
Ed Kelle	Andre Martel
Jack Vesery	Marcel Durrette
Keith Tompkins	Jon Siegel
Mike Foster	Alan Carter
Bob Rosand	

Symposium Registration at: www.GNHW.org

Or

Mail Check Made out to "Guild of NH Woodworkers" to:

**Bob DeAngelis,
470 Newmarket Rd.
Warner, NH 03278
rdeangelis@tds.net**



Coming to CNEW May 3, 2012 Malcolm Tibbetts



Malcolm Tibbetts is the premier segmented woodturner in the country, if not the world. His turnings have won many awards and prestigious collectors around the world have acquired many of his pieces. He has used a knowledge of carpentry to develop innovative techniques to stretch the limit of segmented woodturning. His "how to" book, *The Art of Segmented Woodturning*, published in 2005 has become the go to instruction book for segmenters. Several subsequent DVDs have only added to the spread of his knowledge. Malcolm is a founding member and current president of Segmented Woodturners, a virtual club of the AAW. With approximately 500 members worldwide, Segmented Woodturners is the largest club in the AAW.

Malcolm's CNEW presentation will include, as time permits, the following:

#1 Intro to Segmented Woodturning

This will be about how to "design, cut, and assemble" a stacked ring construction – not just for beginners. By using photos, video, and live demonstration, he will go through the entire process of creating a typical segmented vessel.

#2 Checkered Hollow Form

Using no math and no miters, in this demo, He will show how to stack "angle-cut" rings of laminated material into vessels with a huge WOW factor. Assemble precision is required, but this is a relatively easy technique to get started in segmented turning.

#3 Stave Construction

This session will be about how to use "compound-miter" staves in segmented turning. Through video and "live" demonstration, he will take the mystery out of compound-mitered staves. Of particular inter-

est, he will show how to add elements to vertical-grain oriented components without creating unacceptable cross-grain joinery. This session will also include basic "ribbon" construction.

#4 Tricks and Tips for Segmenters

This will be about making segmented turnings "faster" and being more accurate. He will take the mystery out of many feature ring techniques and show the use of various jigs that help simplify the construction process.

#5 Segmented Sculptures

Along with advanced techniques such as tapered rings and mitered triangles, he will also discuss the "why" of this type of work. This session should be of interest to non-segmenters as well as segmenters that are ready for the next step.

The will be a small admission charge of \$20/person for this very special

Open Shop with Peter Wilcox, Boylston, MA

On a dreary morning in March Steve Jewel and I arrived around 9:00 AM. Peter's shop is very spacious located in a relatively new garage/barn. Its footprint is almost as large as that of my house. A complete line of power tools is well organized on the first floor with storage for wood on the second floor. A Nova lathe and a Jet mini-lathe were available. Steve turned a neat bowl on the Nova, maybe maple wood, and I turned a small cherry bowl on the mini-lathe. Pictures show Steve in earnest making wood shavings. Peter gave us important polite suggestions that I found very helpful. Perhaps the highlight of the session was a delicious lunch prepared by Peter. He made pulled pork sandwiches on his new "smoker." Steve and I are perhaps intermediate turners and that made the turning experience with Peter's help ideal. I was impressed by the extensive nature of the power tools, jigs and hand crafted set ups in the shop. Peter may have more clamps than Norm Abram!

Richard G Hunt

Simple Boxes - Frank White

Sometimes things don't go as planned! Such was the case with my demonstration of making simple boxes at the April 5th meeting. The problems were essentially twofold. First, my choice of a turning blank for the demo was less than stellar, actually not even satisfactory. I had not noticed that the piece of spalted apple that I was going to turn was seriously checked and enough over-the-hill to be a little punky. I think that the wood, even though it had been in my shop for ten years or more, had some internal stresses that caused it to move just enough to prevent the cover from fitting when it should have.

This demonstration delineates a process of making small boxes from a single piece of long grain wood. The process is applicable to a wide variety of designs ranging from cylindrical to bulbous to spherical, with or without decorative beads and scoring lines, carving, texturing, or other decoration.

Method A below, as presented for the Learn & Turn, describes the simpler way to make the cover but leaves a very heavy cover and does not allow for shaping or finishing the inside of same. Method B adds a couple of steps that result in a more finished and pleasing box. With both methods you can also add a knob or finial of a different wood to the cover if so desired.

Method A

1. Select a piece of wood of your choice: a 2" x 2" x 3"-4", long grain blank is suggested as a starter. Mount the blank between centers and, using a roughing gouge, turn it to a round form and with a parting tool cut a short tenon on one end to fit your scroll chuck.



2. Remount the blank in the chuck, true it up, and smooth the surface using the roughing gouge as a skew. Position the gouge at about 45 degrees to the tool rest with the bevel parallel to the work piece and pointing toward one end; then raise the handle until the tool begins to cut. Make a planing cut towards the end of the work piece; reverse the tool and work toward the opposite end.

3. Decide how large a cover you want, perhaps $\frac{1}{4}$ to $\frac{1}{2}$ of the total length of the box; then with the parting tool cut about a 5/16" wide x $\frac{1}{4}$ " deep groove to form the cover tenon that will fit into the body of the box. Make sure the tenon is parallel to the axis of the box and not tapered. If the walls of the tenon and socket are not straight and parallel, the cover will not seat properly and tend to slip off.



4. With a thin parting tool part off the cover *leaving a trace of the tenon (about 1/32") on the body of the box that is held in the chuck*. This trace tenon will be your guide when cutting the socket in the body of the box to fit the cover tenon. The thin parting tool allows you to remove a smaller amount of wood between the cover and the body of the box than is possible with a regular parting tool. Thus, any strong grain figure or other features found in the cover and body can be more accurately matched up. If you don't have a thin parting tool, you will need to make the groove wider to compensate for the thickness of the tool and live with the results.

5. Hollow out a cavity in the body of the box using the spindle gouge. Lay the gouge on the tool rest with flute facing up and the point at the center of the piece; tilt the gouge slightly to the left so that the cutting edge is just below the horizontal axis and pull from the center outward in a gradual arc.



This cut should produce shavings instead of chips as a scraping cut would do. *Be careful not to remove the trace tenon.*

6. Using a square end scraper or a diamond point scraper, cut the straight-sided socket for the cover tenon. Carefully push the tool straight into the side of the cavity cutting away the trace tenon in small increments. You want to achieve a tight fit between cover and body so that the cover will stay in place while you turn it to shape. Make your last few cuts especially fine and test fit the cover tenon to the socket after each pass. If you do not have either of

the above scrapers, use a parting tool to cut the socket. You may want to use a skew chisel to make the final cuts. Lay the chisel flat on the tool rest with the long point at the left. Gently push the point into the wood to widen the socket ever so slightly. Repeat this technique until the trace tenon disappears and you achieve a good fit between cover and body of the box.

7. Clean up the cavity in the body of the box with a round nose scraper. Make sure the edge of the scraper has a nice burr, which is the cutting edge of this tool. Again, use a pulling cut and work from the bottom center to the top of the cavity. Sand and finish the cavity as desired. *Do not sand the socket, or mortise, that receives the cover.*

8. Fit the cover to the body of the box. Align the grain and/or other features as best as possible before beginning to shape the box. If the cover fits loosely, engage the tailstock to hold it in place while turning. Begin turning the cover and the body of the box to the desired shape but leave enough wood at the base where it is held in the chuck to maintain stability. It is helpful to have both the cover and the body joined together while turning the box to shape so that you can see the whole piece as it takes shape. Lightly relieving the edges of the cover joint and cutting a scored line on either side of it can help to disguise the joint line.

9. Finish turning the cover to desired shape, remembering to leave material at the top to make a finial or knob. If the cover is too loose to be turned without tailstock pressure, wrap a strip of masking tape or fiber packing tape around the joint between the cover and the body of the box so that you can remove the tailstock while you shape the knob.

10. Turn a foot or a simple flat surface on the bottom of the box as desired. Sand and finish box.

11. Part off box from waste piece with a parting tool. If large enough, the waste piece can be used as a jam chuck to finish the bottom surface of the box. With a parting tool cut a short tenon on the waste piece that will fit the opening of the box. Fit the box onto the tenon, and using tailstock pressure, if necessary, smooth the bottom face with the spindle gouge. Place the gouge on the rest with the flute facing the tailstock so that the cutting tip is 90 degrees to the rest and the bevel

is riding on the wood. Carefully raise the handle of the gouge so that the tip starts cutting and take light cuts toward the center. *Warning!* It is very easy to get a catch at this point. You may find it easier and less intimidating to use a scraper. With a scraper you work from the center out pulling the tool towards you.

12. After the box is finished, it will probably be necessary to relieve the tight fit between the cover and the body of the box by light hand sanding. While the tight fit is necessary during the turning process, it is not desirable for a usable box..

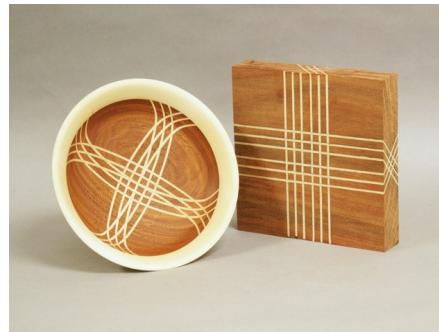
Method B

Same as Method A except that this approach enables you to hollow and finish the inside of the cover making for a more sophisticated box. Make the following changes to the above directions.

4. Before parting off the cover, cut a tenon on the end of the cover so that you can mount it in a chuck. Then with a thin parting tool part off the cover leaving a trace of the tenon (about 1/32") on the body of the box that is held in the chuck. If you don't have a thin parting tool, you will need to make the groove wider to compensate for the thickness of the tool. Since you are able to mount both pieces in the chuck, you can leave the long tenon on the body of the box so that it slips into a socket in the cover. One real advantage is that once you have finished turning the cover, you can lightly sand down the tenon on the lathe to create a looser fit on the finished box.

4a. Before removing the body from the chuck, mark its orientation in the chuck by putting pencil lines on the tenon indicating the location of two adjacent jaws; also record the number of one of these jaws. This will give you a better chance of centering the piece when you remount it in the chuck. Remove body from chuck and mount the cover in chuck. Hollow out a shallow cavity in the inside of the cover following instructions in Step 5 in Method A. Sand and finish. Again do not sand tenon, but you can apply finish as it may make for a tighter fit.

Show & Tell



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To join or renew membership, please complete this form and a check made payable to CNEW and bring it to a CNEW meeting or mail it to:

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c/o Mike Peters
3 Forge LA
Sutton, MA 01590

Annual dues: \$30 including e-mail delivery of newsletter; \$35 for postal delivery of newsletter.

Central New England Woodturners
A Chapter of the American Association of Woodturners



Find us on the web @ www.cnew.org

Officers for 2012:

President Dave Eaton, Natick MA 508-353-4129 dave@eaton9999.com

Vice-President Jim Metcalf, North Brookfield MA 508-867-4245
beekeeper-ice@charter.net

Treasurer Mike Peters, Sutton MA 508-865-0392
michael.peters@genzyme.com

Secretary Eric Holmquist, South Windsor CT 860-289-4791
eric.holmquist@hs.utc.com

Newsletter Editor Art Bodwell, Holden, MA 508-829-9951
abodwell@charter.net

Show and Tell Photographer Peter Wilcox, Boylston MA 508-869-6180
pwilcox@charter.net

Video Librarian Ray Asselin, Wilbraham MA 413-596-8292
ray@bowlwood.com

Project Goodwill Coord. Charlie Croteau, Worcester MA 508-756-2049
cpcroteau@verizon.net

WCC Show Coordinator Reid Gilmore, Upton MA 508-603-1248
reid.gilmore@umassmed.edu

Learn 'N Turn Coord. Richard Hunt, Auburn MA 508-832-4425
rhrghunt@gmail.com

Video Equip. Steward Art Bodwell, Holden MA 508-829-9951
abodwell@charter.net

Big Name Demo Coord. Earl Powell, Woburn MA 781-756-0603
bostonarts@yahoo.com

Club Store Manager Joe Giroux, Ashland MA 508-881-4708
jgirouxjr@verizon.net

Contributing Editor Steve Reznek, Concord MA 978-287-4821
stevenreznek@comcast.net

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Please let us know of your interests:

How long have you been turning? _____

What programs would you like to see at meetings? _____

Would you like to demonstrate at a meeting? Yes/No If so, what topics do you offer? _____