

OUR JUNE DEMONSTRATION – SEGMENTING & STAVING

WITH LARRY PRUNOTTO, ROBERT LOVE, JOHN MIELCARSKI, JERRY HOLBROOK, & MARK BAUMES

The June 2016 CNY Woodturners demonstration was organized by **Larry Prunotto** and included four distinct presentations. In addition to learning about staving and segmenting wood pieces for general turning, the main idea behind the set of demonstrations was to encourage members to make covered bowls and vessels for the *Beads of Courage* project. This project donates turned boxes of all shapes to children in the hospital undergoing extended medical procedures. All four presentations were made by Powerpoint slides with some props. The presentations are on the demo page of the CNY Woodturners website:

<http://cnywoodturners.org/demonstrations.html>. The club has several DVD's available in the video library to learn more about the complex techniques associated with segmented and stave turning. Another great online resource sites is found on Woodturning Online: http://www.woodturningonline.com/Turning/segmented_turning/index.html

SEGMENTED BOWL – The traditional approach of cutting wood segments and building rings of glued up segments was presented by **John Mielcarski** and **Peter Monteleone**. How to calculate and plan out the number, length, and angle of each segmented piece for each ring was discussed. They carefully noted that the segment and ring calculations could be taken from published tables, commercially available segmented design software, or by searching on line for websites with free segment size calculators. They emphasized the need to plan your design and use jigs to safely cut the small pieces used in segmented work. They showed step by step how they built a bowl that was shown at the demonstration.



A great resource for determining the number of segments is on the *Woodturner's Resource* webpage [here](#).

SEGMENTED VASE -- **Mark Baumes** explained how he designed a tall segmented vase and then cut the rings that were stacked to form the vase from glued up boards with alternating light and dark wood species. How to make the strips of wood and glue them up into uniform dimension



boards was explained in detail as it forms the basis for the resulting checkerboard look of the final vase. His layout of the needed ring sizes for different ring layers in the vase design ensured that he had adequate material. The most difficult step was getting the rings aligned to achieve the checkerboard effect in the final vase. Mark recommended seeing the **Malcolm Tibbetts** video entitled *Lessons in Segmented Woodturning; Volume One -- Getting Started*.

SEGMENTED CHECKERBOARD LIDDED BOWL -- **Jerry Holbrook** showed how to put segmented pieces around a center of checkerboard pattern which is then turned to a 4" cylinder and glued into two *boards* that have a 4" hole cut into their center. The central checkerboard block can be built from alternating light and dark woods by gluing up boards and then into a block (see **Mark Baumes** slides on making the boards in the *Segmented Vase slideshow*). In the process of turning the bowl, a top is also parted off to make a lid for the bowl. The finished piece has a lid and bowl with a checkerboard center surrounded by two contrasting wood species.



STAVED LIDDED BOX – The final presentation by **Larry Prunotto** and **Robert Love** was designed to prepare club



members for the Saturday workshop and further efforts to make *Beads of Courage* boxes for donation to

the Golisano Children's Hospital. Two methods to make staves were explained: (1) using a table saw to make the 45 degree rips down the boards and (2) using a router bit and shaping table to create boards with 45 degree edges. The edges of the staves need a lip to keep the staves from sliding apart during gluing and band clamping. The pieces were then banded and glued together to form the sides of

Segmenting & Staving – page 2



the box. The glued staves were put on a lathe with a large jaw chuck (held inside or outside) and

a band clamp was kept on the end of the glued stave piece when inside chuck jaws were used. The piece was turned into a cylinder inside and out as far down as the tool would reach. Then the piece was taken off the chuck and reversed to shape the other end of the cylinder. The bottom and top were made from flat wood and each had a tenon that fit inside the cylinder previously turned. The bottom and cylinder were glued together. The lid was completed separately and fit to the cylinder. A knob

handle (or a blunt finial could be made) was made for the center outside of the lid and glued into a hole drilled into the lid.



Submitted by **Chad Dawson**

Photos by **Heather Muckley** and **Barbara Raymond-LaPrease**

SATURDAY WORKSHOPS

Saturday workshops allow members to receive additional training on a subject presented during the regular meeting demonstration as well as an [opportunity to get basic turning experience with help from mentors at the workshop](#). Information about each workshop is provided so you are aware of the requirements for each. There is a **\$5 fee** for each participant. Pre-workshop sign-up is desired since many of the workshop instructors travel a distance to hold the

session. Most workshops are held from 9am to noon at the club's workshop space at the **8 Acres Event Center in Baldwinsville**, the home of *Barbara & Charlie LaPrease*. Directions are available at the meetings or by email. Generally, coffee and tea are provided and snacks are always welcome. During most workshops, we can accommodate fundamental instruction during the workshop. The July workshop is on **Saturday July 16th**.

JULY 16TH WORKSHOP – *Weight Watchers*

Join **Bob Ireland** on Saturday, July 16th for a workshop where you can practice turning thin – whatever you want except hollow forms. The goal for the day is to turn something thinner than you ever have. It doesn't need to be paper thin.

What should you bring? Bob will have a list at the meeting.

Questions? Ask at the meeting. The cost of this workshop is the usual \$5! Please register at the meeting!

NOTE: Directions will be available at the meeting or by email request.

NOTE: There will be an August workshop. Put it on your calendar for Saturday, August 13th. The topic? Cheap Piercing

Ed Siegel will be the host. Hopefully, he will provide a little insight into the tools needed at the July meeting!

JUNE SATURDAY WORKSHOP

Our June Saturday workshop was held at **Robert & Michelle Love's** shop in Volney. **Larry Prunotto** joined Robert to lead the participants on a beautiful day. The focus was on preparing the components to build staved-based boxes that will be donated to the local hospital as Beads of Courage boxes. We had a small turnout even though Larry and Robert had plenty of wood

for at least 12 boxes. We used 2 methods for creating the staved pieces – the table saw and the router. Each participant left with their side piece as well as their pieces for the top, bottom, and final. It will be interesting to see what folks create. Here are some photos of the morning including one *funny*.

NOTE: Experienced turners are always needed at workshops to help others. The mentors do not pay for the workshop unless they take supplied materials.

