



# JUST ONE MORE CUT



*Central Florida Woodturners, a Star Chapter of the American Association of Woodturners.*

Central Florida Woodturners exists to encourage and assist its members in advancing their skills in woodturning, and to educate the public and promote among the public a greater enjoyment and appreciation of the art of woodturning. Member of the American Association of Woodturners

## APRIL Demonstrator - AL HOCKENBERY 'Turning Triangles'

Al Hockenberry, noted turner from Lakeland and oft times visitor to our club meeting, presented the demonstration for our April meeting. His subject was 'Turning Triangles,' or off-center turning.



Off-center turning can produce many different objects, including: pedestals, lamps, napkin rings, bowls, legs boxes, pepper mills, and ornaments.

The major idea of off-center turning is that the number of centers to be utilized is equal to the number of sides you will be turning. That is, a three-sided piece will require three centers, or three different set ups along the longitudinal axis.

Consider a three sided layout. The first step is to lay out three centers on each end of the blank. The three centers on one end of the blank must be located axially opposite the three centers on the second end of the blank. If the centers are not opposite, that is, the centers on one end are rotated relative to the other end, another dimension of geometry is introduced into the final product.

Al started with a 3-inch square blank about 8 inches long. The blank was turned round to a cylinder of about 2.5 inches in diameter. Using a parting tool, parting rings were placed every inch and a half along the axis of the piece. A waste block was left on the end of the piece for later use.

A reference line was then drawn along the length of the blank using the flat tool rest and pencil. This line will locate the starting center on each end. Then using a compass, a 2-inch diameter circle was placed on each end of the cylinder. Next, on one end of the blank, two additional centers were equally spaced on the circumference.

The spacing can be done using an index wheel or a tri-fold paper. For the tri-fold paper approach, place a piece of paper on the cylinder. Mark the circumference on the piece of paper and cut to length. Then fold the paper into three equal lengths, The folds will locate the two additional centers when the paper is placed back on the cylinder.

Next, turn the previously placed parting rings down to 1.5 inches in diameter.

Now mount the piece on the first set of offset centers and turn the first curved side of the triangle. Repeat the process for the second and third sets of offset centers.

Put a tenon on the end of the piece that contains the waste block. Place the piece into an adjustable chuck and round off the sides of the future rings thus creating the side faces of the rings.

Next, place a 1.5-inch Forstner bit into the tail stock and drill out a center hole. The individual rings should now fall loose.

Sand and finish the rings individually.



## Calendar

### UCF Library Exhibition When May 1 – 31, 2012

The UCF Library has granted the Central Florida Woodturners seven glass exhibit cases to display our work during the month of May. The purpose of this exhibit is to introduce the University community to contemporary woodturning. We wish to exhibit pieces that illustrate the range of work and types of pieces done by contemporary woodturners.

Thursday MAY 17, 5:00pm Steering Committee Meeting

7:00pm Monthly Chapter Meeting/Demonstration by  
Danny Hoffman

We will have a short business meeting followed by show and tell and a wood auction. Stuart Lillie will give a short slide presentation of the display cases full of our work at the UCF Library. Our demo. will be given by Danny Hoffman doing a Medallion. This should be a real good meeting so try not to miss it.

Blessings, David McCoy, VP