



Long Island Woodturner's Association Newsletter

June 20, 2020

Creating a Decorative Utility Bowl

Trent Bosch



LIWA is a chapter of the American Association of Woodturners. Our purpose is to foster a wider interest and appreciation of woodturning on Long Island and in the Metropolitan area. We generally meet on the third Saturday of each month from 9:00 AM until Noon at the Old Bethpage Village Restoration, Bethpage, L.I. See listing below for 2019 scheduled meetings:



Upcoming Meeting Schedule for 2020. All meetings run from 8:00 am to 12 noon

August 1 (rescheduled from July 18) Virtual (Glenn Lucas- Dublin Viking Bowl)

August 15 Virtual (Steve Fulgoni)

Sept 12 (Jim Maloney – Segmented Turning)

Oct ?? (changed again! – Cindy Drozda Date and topic TBD)

Nov 28

Dec 19

Club Officers

Chair of the Board: Ken Deaner

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Members at Large

Steve Fulgoni

Jodi Gingold

John Kowalchuk

Jim Maloney

Paul Permakoff

Pete Richichi

Thanks to photographer Bob Fentress and to Bob Lee for their screen shots.

Summary of Meeting

Les announced:

Summer meetings will be virtual. The Mid-Atlantic Symposium is canceled as are all events at Old Bethpage Restoration.

Treasurer's Report

No report

Show-and-Tell

Not captured



Main Event

Trent Bosch: How to make a Decorative Utility Bowl



Note: This meeting was recorded and can be accessed on Trent's website. Use the password provided in the Zoom meeting announcement.

First and foremost, Trent urged everyone to use safety glasses, a face shield or a full-face respirator. Second, concentrate and think about what you are doing.

Trent used a 10" diameter elm, green blank, roughed out. He demonstrated the proper method for mounting it on the lathe using a screw and a Vicmarc chuck with the tailstock for added stability.

Since the entire demonstration is available for viewing, this narrative will be a "brief" summary and all photos will be found at the end of the text.

Using a 5/8 swept back bowl gouge with a 20" long handle (and a 60 degree flute), tool-rest on back side of blank, Trent stood behind lathe. He used a left-handed cut to avoid any issues (lathe running at ~1000 rpm). The tool was opened to the wood at 45°.

Trent created a rough shape and then added a tenon. To determine the tenon size: close the chuck jaws to within 1/4" of fully closed. Take measurement. If you need a larger tenon, use a larger jaws. Switch to fingernail gouge to create "dovetail" shape.

Return to refine the shape of the outside of the bowl. To create a pleasing shape, use the golden mean 2/3 vs 1/3 (Foot vs total bowl diameter ratio). See the video at about the 9:30 point.



Switch to a traditional grind, flute straight up to define the top of the bowl with shear scraping, create a gentle edge. To form decorative beads (again using the golden mean) see video at 9:36, cut grooves and then rotate tool to 45° to round them over.

Reverse the bowl, remove the tailstock. Make sure the bottom of the bowl is seated against the outside of the jaws, “reasonably tight”. No need to overtighten.

Set the toolrest to cut on the center line. Use a swept back bowl gouge, cut from the center (tool handle far from center), then move the handle toward your body and then move together as one. Therefore, you are swinging from right to left.

Begin hollowing out the bowl, initially from edge to bottom, then from outside edge of bottom to reduce wall thickness (and top edge). Wall thickness should be 10% of diameter.

Switch to swept back side of traditional grind gouge. Start with flute in, roll up, handle right to left. Clean out remaining bottom with swept back tool. See 10:05 for a great discussion of bevel modifications for tighter transitions on bowls.

Trent now removed the chuck and bowl and mounted them on a carving stand to add a variety of decorative designs.

Here is a summary of several techniques and tools he used:

1. Reciprocating electric carver (Automach HTC-30). Cut vertical, or angled grooves.
2. Die grinder (an air tool) to develop texture
3. Die grinder with rounded tool to create a spiral pattern
4. Sanding disk (Angle die grinder) with Mirka 80g paper. See “turningwood.com” to create arcs, grooves and facets.
5. Air needle scaler (Trent used this to burnish surfaces, aka orange peel textures).
6. Micro die grinder (1/8” shank) with rotary cutter to make short lines, grooves
7. Milk paint (from powder) paint the surface then curve through it.
8. Micro torch. Burn wood, then use a soft brass wire brush. Clean up over burn with sandpaper.

The advantage of air tools: they are smaller, more compact, stay cooler and last longer than electric tools.

To finish the bottom of the bowl: remove the tenon and slightly dish the area:

1. Bowl gouge – shear scrape or ride the bevel
2. Switch to spindle gouge
3. Leave nub, remove with saw and sand.

If piece is to be sanded while wet use 80 to 400g paper before carving, or wait until dry.

A utility finish which is totally food safe is walnut oil (from Mike Mahoney). Also, from Mahoney: beeswax.

This video will be available at [Trentboschtools.com](https://www.trentboschtools.com) The password is the zoom meeting ID (be sure to include any spaces)

Additional archived virtual demos (\$10) can also be viewed.



Thank You Trent













