



Long Island Woodturner's Association Newsletter

October Issue

Oct 16, 2021

Featured Speaker: Les Hoffman

Off-Axis Turning



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 Northport High School, Northport, N.Y. We also stream virtually on Zoom. See listing below for 2021 scheduled meetings:



Upcoming Meeting Schedule for 2021

Nov 20 Jim Cleary (Jigs and Fixtures)
Dec 18 Bob Fentress (Gift Items)

Club Officers for 2021-2022

President:	Barry Saltsberg	(516) 349-1914	woodartist@optonline.net
Vice Pres:	Paul Permacoff	(631) 261-7207	classakid@aol.com
Secretary:	Barry Dutchen	(516) 443 5342	bdutchen@gmail.com
Treasurer:	Tony Fuoco	(631) 255-3956	sandman0830@aol.com
Board Chairperson:	Ken Deaner	(516) 239-7257	ggoosie@aol.com

Members at Large

Steve Fulgoni
Jodi Gingold
John Kowalchuk
Jim Maloney
Pete Richichi

Thanks to photographers Bob Fentress and Jodi Gingold for their photos.

Summary of Meeting

Paul Permacoff filled in for Barry today. OBVR is allowing us to continue to display our work in the lobby of the center. If you would like to have your work shown, please contact Barry S.

Barry S was in contact with local hospitals and reported that due to Covid concerns, hospitals are not accepting Beads of Courage boxes this year.

Steve F discussed have turning smocks (~\$50.00 in charcoal) made for us. Steve mentioned that the sizes run very long and very large. Hats and shirts made with our logo may also be available. A signup list was circulated. More information coming.

Approximately 30 members in attendance, 2 on Zoom.



Treasurer's Report

\$4269.00 in bank. 66 Paid members, 3 not paid. Please send your dues check to Tony Fuoco @ 7 Jody Court Shoreham, NY 11786

New Members

Paul (from Greenlawn)





Show-and-Tell







Main Event Turning Off-Axis Furniture Legs (and similar spindle turnings)

Featured Speaker: Les Hoffman



Like almost every turning method you can think of, off-axis spindle turning is evolutionary. You see it in the "therming" or drum/barrel turning that has been around for hundreds of years, (see Amer. Woodturner 10/21) and in the inside/outside turning that many of us have tried as novices.

If you are a production turner and have the time and ability to build a therming rig, you should try it. But, if you are like Les and





are interested in producing multiple sculptural pieces or identical furniture legs without making a complex jig, here's how Les did it.

An advantage of this method is you are turning less air at higher speed and have no screws to allow for.

This is a method of turning 4 pieces at one time and ending up with 4 identical off-axis pieces that can be used as table

legs, candle sticks, goblets or for any decorative use you can imagine.



Barbara Dill used this method to turn four 4 X 4 spindle blanks to create legs for a custom dining table, (that sold for thousands) but, you can use it with smaller blanks for small tables and stools.

Also, after turning off-axis, the blanks can be remounted on-center and other spindle-oriented turning (tenons) and hollowing can be performed.

What's needed:

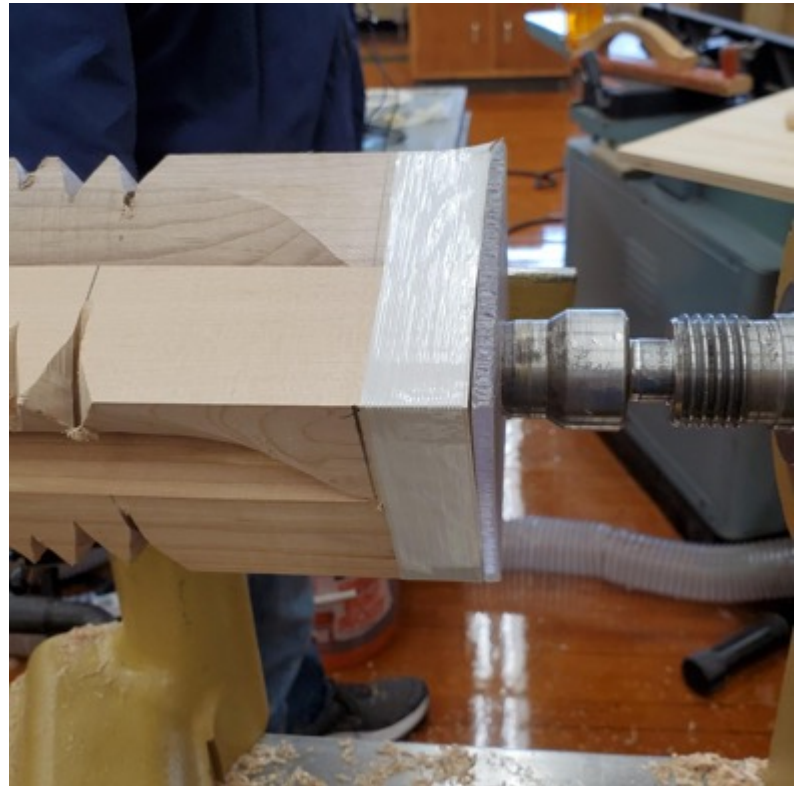
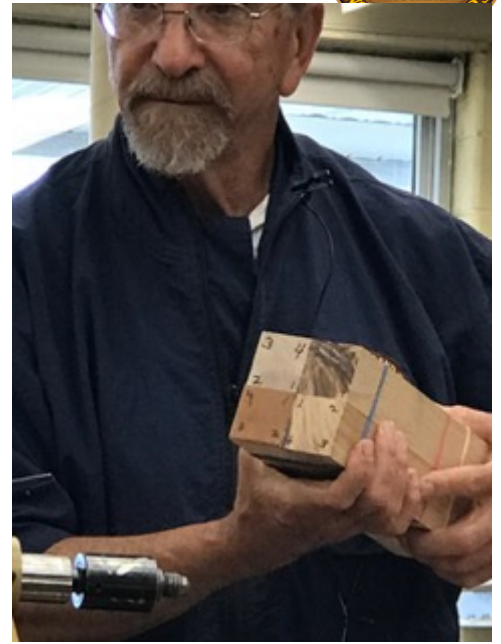
- 4 identical spindle blanks of equal length (different woods can be used but, they should be of similar hardness) The blanks need not be perfect (planed and jointed) but they may not be warped
- 2 squares of 1/4" plexiglass (or clear plastic cutting board) with holes drilled in their centers for the drive center and live center points
- hot glue gun
- nylon reinforced strapping tape (not USPS packing tape)
- putty knife with a beveled edge and a mallet
- rubber bands
- black and red (or other color) markers

Tools:

- spindle gouges 1/2", 3/8", 1/4"
- 1/2" bowl gouge with a common grind (or roughing gouge grind)
- 1/2" skew or pointed tool
- safety drive and live center
- parting tool

Design:

According to Barbara Dill, only 3 cuts are possible when doing this type of turning - beads, coves and V-cuts. However, by planning 4 different designs, you can get numerous shapes for these pieces. Examples: long cove, long bead, bead-cove-bead, cove-bead-cove, cove-v-cuts-cove, v-cuts-cove-v-cuts. Also, you can round-off the 90° corners or leave them proud.





Getting Started:

Gather your 4 blanks, loosely, with rubber bands and label the corners of each blank with a black marker 1,2,3,4 clockwise:

3	4	2	3
2	1	1	4
4	1	1	2
3	2	4	3

3	2	4	3
4	1	1	2
2	1	1	4
3	4	2	3



10+ seconds.

Turn the bundle over and do the same to the other end. Mark each piece of plexiglas with the corresponding-colored marker. Remove the rubber bands.

Mount the bundle between centers and apply tape around each end, at least 2 wraps. Turn your first design element. Les mentioned that

Turn the bundle over and beginning with corner #1, label the other corners counterclockwise using a different colored marker. Tighten or add more rubber bands.

Place 4 dabs of glue in the center of each blank, center the plexiglas piece over the exact center of the bundle. Press and hold for



there are only beads, coves, and 'V' cuts (but with many variations).

Les began by turning a long cove, starting 1 1/2" from each end (mark with pencil and square) and turning first with the bowl gouge (always 'downhill' from each end) @about 1300 rpm, then finishing with the spindle gouge and sanding to 220 grit while turning and finish up sanding with the grain. Of course, wear a mask.

Remove the tape (can save and re-use), replace rubber bands, remove bundle from





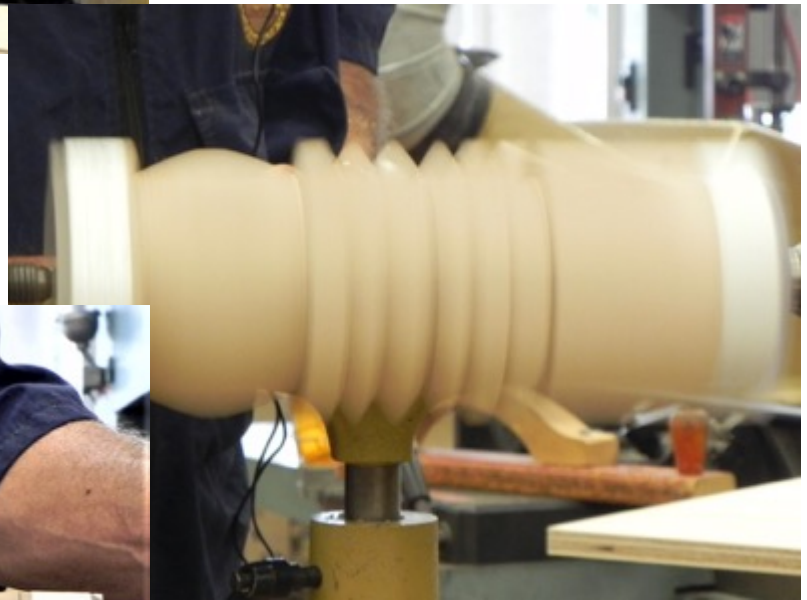
lathe, carefully pry off plexiglas with putty knife and mallet. Scrape off all residual hot glue. Rotate each individual blank so #2 appears in center. Example follows:

4	1	3	4
3	2	2	1



Re-apply hot glue, plexiglas ends, remove rubber bands, re-mount and apply tape. Proceed to mark-off and turn next design element.

When all 4 are complete, sand all coves with the grain, remove tool marks from beads and v-cuts. For legs, mark centers on each piece and turn on-center for tenons. Can leave feet square or turn balls or tapers.





Les made 2 small coves and a bead. He divided the piece into thirds. He suggested defining the ends of each area with a parting tool. He also reminded everyone about the A, B Cs of cutting:

- Anchor the tool
- Bevel against the work piece
- Cutting

Thanks Les for a great lesson in off-axis turning

