



Woodworkers Guild



of

Southwestern Michigan – <http://www.woodguild.org> June 2016

Next Meeting

June 14, 2016 6:00pm

Bill Crown's Estate at

7572 South 10th St.

Our June event will be the annual end of year picnic at Bill Crown's house.

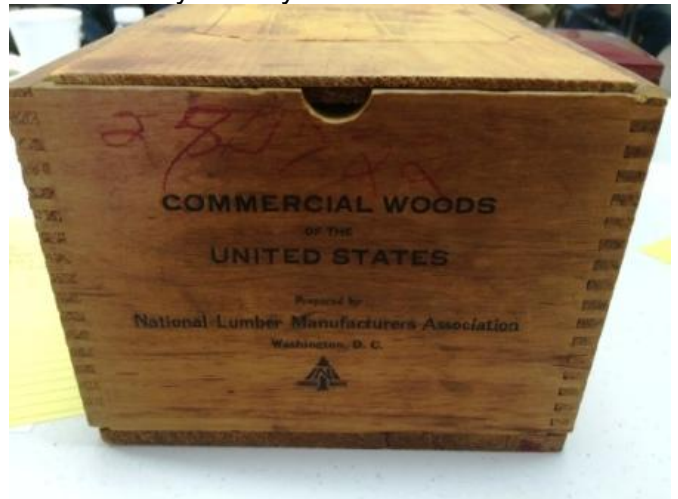
To find Bill's place exit 131 at Centre Street, go west to the flasher at 10th St., turn north and watch for 7572 on the left or west side of the street. Bill's home is just north of the bike path and has a wraparound porch.

Grilled burgers and chicken are provided courtesy of the guild. Bring yourself, a significant other, a dish to pass, salad, dessert or your favorite whatever. If you like it everybody else probably will too. Better bring lawn chairs and your favorite beverage.

**And please RSVP to
Wcrown@sbcglobal.com
or 375-1594**

The May meeting was held at Al Collison's shop with 32 members and guests present. Bill Crown was not able to attend so Al Collison opened up the meeting with show and tell around the room.

Tom Nehil had a wooden box of 24 hard and 24 soft lumber samples. The box of samples is most likely 100+ years old.



Mike Cline made prototype wedding rings from walnut in response to a general public request to the guild.



Harold Boysen and Ralph Babcock each have woodworking equipment for sale. Harold has for sale: Bandsaw, Portable saw, Scroll saw, Router, Bench Grinder, Shop Vac, Router Table and Dust Collector. Harold can be reached at 269-685-8721 address is 202 Cottage, Plainwell.

Ralph has for sale: 5 pipe clamps + 5 black iron pipes \$50, Craftsman radial arm saw \$100, Delta dust collector \$150 and a 3'x6' architect drafting table. Ralph can be reached at 269-353-5378

Art Wurfel brought in a beautiful music box he built for his granddaughter. The wood used is Purple Heart and the finish is 15~20 coats of spray lacquer. The music movement comes from musicboxattic.com, Boris Muchnik, 7346 Radford, North Hollywood CA 91605 – (818) 255-0871, help@musicboxattic.com

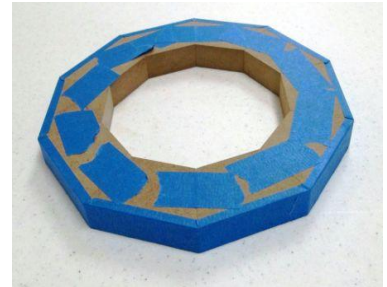
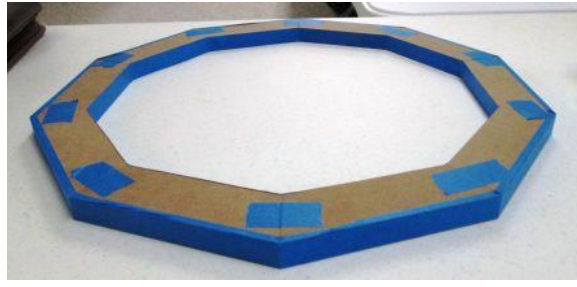
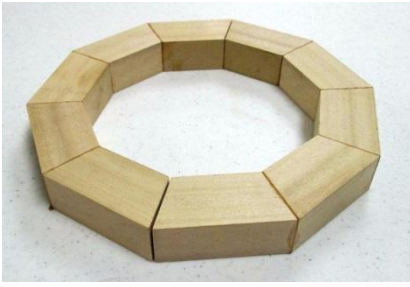


Josh Breese brought in pictures of Morris chairs he built from New Yankee Workshop plans and a Limber table from Fine Woodworking. Josh's wife learned upholstery to make the cushions. Josh found a great deal on slab wood from local sawyer David Lewis. David can be reached at 217-9386 or on Facebook at figures of wood.

The evening was turned over to a feature speaker, George Armstrong, for a discussion on segmented bowl turning. George began discussing how he glues each individual segment together using a "rub joint" technique until a half circle is achieved. Starting with two half circles will allow one to see and adjust variations in the completed ring. Light sanding is employed to counter the variation. Old laminate sink counters make a good surface for glue ups as the glue does not stick to the laminate surface. A math based approach is used to determine the proper angle for cutting segments. Expect to spend the bulk of one's time at the table saw and sander, minimal time spent doing the actual turning. It is good practice to first cut test pieces from MDF scrap.

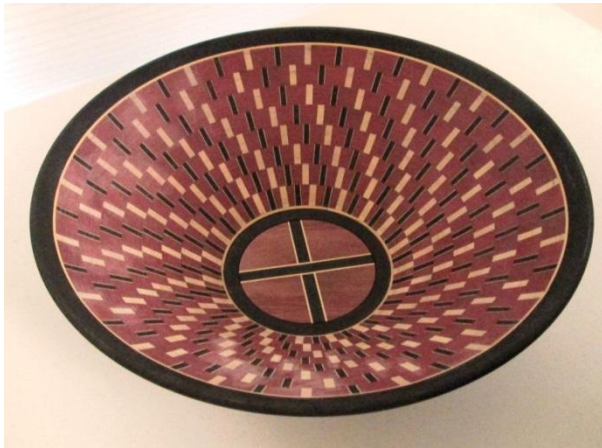


George recommended turning resources from Malcolm Tibbits at <http://www.tahoeturner.com> and a book by Ron Hampton – Segmented Turning - A Complete Guide as starting points. Geometry and Trigonometry are used to define the segment dimensions. There is a misconception that segmented turning saves wood due to lack of hollowing. Reality is that segmented turning does not save wood. And since dry wood is used, it is dusty and hard on tools. A Wixie angle gage is used to set saw blade angles and 0.003" feeler gage for setup. If the turning has voids, one will want to turn as fast as possible to allow the cutting tool to float over the voids rather than dropping in to the void. Always wear a good impact face shield.



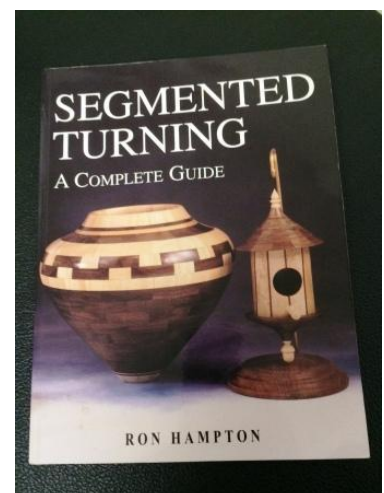
Tips for table saw setup: The table saw arbor should be solid and not made from stamped washers. Don't use a blade stabilizer; the cup of the stabilizer will create a pressure miss match on the blade. Freud makes a glue line rip blade with ~ 40 teeth. Smaller diameter blades cut better due to less blade flutter. Miter saws are acceptable, but not as stable as a table saw. Use zero clearance fence or blade inserts. Blade hook angle needs to be 0 to -5° rake. A positive angle will throw pieces.

George had a most incredible bowl made of Purple Heart, Maple and Ebony. It was not yet finished but looked amazing as is. He is working out the proper sanding technique to prevent bleeding of colors via sanding dust. He is planning on a coat of sanding sealer to prevent cross color dust contamination.



George gave us a wonderful presentation packed full of information. The pictures don't do justice to his work. The colors, the feel, and intricate details are incredible to behold. Thanks George for a great evening.

Have a great summer, be safe and see you in September.



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