



Michigan Woodworker

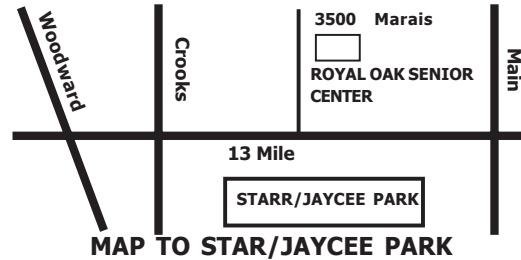
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Michigan Woodworker's Guild (Est. 1981)

Sunday, August 14, 2016
12:00 - 3:00 PM - At Starr Park In
Royal Oak - Our Annual Picnic

The August luncheon will be held at Jimi's
 in Royal Oak on Thursday the 25th
 beginning at 1:15 PM



Upcoming Events

Month	Meeting Date	Topic	Speaker	Location	Luncheon Date
August 2016	Sunday 14 th 12:00 – 3:00	Annual Picnic	n/a	Starr/Jaycee Park, Royal Oak	Thursday, 25
Sept. 2016	Sunday 11 th 2:00 – 4:30	Wood Gluing	Bob Behnke	Royal Oak Senior Center	Thursday, 22
October 2016	Saturday 8 th 10:00 – 4:30	Woodworking Magazine	Jim Heavy	Tech Shop in Allen Park	Thursday, 27
Nov. 2016	Sunday 13 th 2:00 – 4:30	Violin Woodmaking	Peter Psarianos	Royal Oak Senior Center	Thursday, 17 th If Facility Available
Dec. 2016	Sunday 11 th	Christmas Meeting & Orphan Train	Al Eicher	Livonia Senior Center	Thursday, 15 th If Facility Available
January 2017	Saturday 7 th 10:00 – 4:30	Joinery and Finishing	Marc Adams	Tech Shop in Allen Park	Thursday 26
Feb. 2017	Sunday 12 th 2:00 – 4:30	<Under Construction>	Kyle Huntoon	Tech Shop in Allen Park	Thursday, 23
March 2017	Saturday 11 th 12:00 – 4:30	Showcase Of Skills	Guild Members	Livonia Senior Center	Thursday, 23
Notes	All luncheons are held at Jimi's in Royal Oak at 1:15 PM				

The President's Corner**By Dr. Gary Assarian**

I hope that you're all having a restful and happy Summer. The 4th July seemed to come and go in a flash. **Please don't forget about the picnic this August 14 at the Starr/Jaycee Park in Royal Oak.** This change in venue should be better as the park has restroom facilities. The format will continue as in the past , pot luck, and the event will be preceded by a Swap Meet for members to sell and purchase items. Please bring your family, grandkids , and neighbors.

Our fall program schedule is sure to be a good one and has a number of highlights including daylong presentation by Jim Heavy of Wood Magazine on October 8 at the TechShop in Allen Park.. **Our fall schedule begins with includes a lecture from Titebond on Everything Adhesive, Sept 11 at Royal Oak.** These have always been extremely informative. Please keep in mind that we publish the upcoming programs so that you can arrange your calendars accordingly. The board works very hard to bring the highest quality of programs to the guild members. And we always welcome input regarding topics and/or individuals who would be of interest to the group. The board has already mapped out the program schedule for 2017, which will be kicked off by none other than Mark Adams in January. I know we're all looking forward to his visit. Should be a great year.

Also the fall season means that there are opportunities for you to serve the guild as a board member. We have our election of board members and officers in November. Individual guild members in good standing are eligible to serve on the board. I would welcome anyone who is interested to help make the Guild better and more useful to its membership to please volunteer. If you are interested please contact either Ann Ivory or myself. With the absence of the woodworking shows to attract new membership we need to develop different strategies in order to make the club relevant and interesting to the membership. We need to strive to make our organization more impactful which attract new members. In addition we also have must discuss what is needed to retain the members. Please don't hesitate to volunteer.

In order to help Guild members to get to know each other, Ann Ivory will be featuring members in our newsletter as a means of introducing old and new members. She will profile members to let others know a bit more about them and hopefully this will sprout common interests and fellowship to improve our organization. Thanks Ann.

May Meeting Review By**Dale Ausherman**

I learn much when fellow members describe and/or demonstrate useful woodworking strategies and methods. When that member is an actual professional furniture builder I pay doubly close attention because I know the tools and methods described have been proven to be of high value to a person for whom time and efficiency are essential. Will Stanford, long time member and professional furniture maker, shared with us his fundamental woodworking processes used every day in his shop. He did not attempt to teach us sophisticated joinery, but rather focused on the very basic tools and techniques which should be of routine use in any woodworker's shop. This was

a worthy emphasis, as this is where the rubber meets the road, so to speak. Will has been building furniture for 25 years, so his methods have stood the test of time and experience. For those wishing to see more of Will's work, he will be exhibiting at the 2016 Ann Arbor Street Art Fair, 21-24 July, booth A-107.

Will started with review of the processes involved in a trip to the lumber yard, acquiring the wood for a project. He takes a small backpack with the tools and materials desirable to support this process. He includes a folder containing a design drawing and pre-prepared cut list, design specifications, and a calculator to estimate the cost of the selected lumber. He takes a block plane and card scraper to smooth rough stock edges to enable clearly seeing the wood grain orientation, and to check for board-end checking (splitting), along with a spray bottle of water or alcohol to more clearly show the wood figure. He also includes a flashlight, as lumber sheds are often dark, and gloves to protect the hands when sorting through piles of lumber to get that very best board. He prefers a folding carpenters rule over a retractable tape, and usually takes an inexpensive moisture meter to check moisture content, which should be about 8% for kiln-dried stock. One wants to check for minimum cupping, bowing or twist, and beware of tear-out from the original milling process. Also be cognizant of your joinery requirements, seeking straight grain and quarter-sawn boards if available. Depending on project design, one might be able to use the outer edges of rift-sawn lumber to get quarter-sawn pieces which will ensure minimum wood movement in practice. Will also recommends working the lumber stacks hard during your visit, to seek the very best boards, and to be alert to the rare possibility of adjacent slabs in a stack (as in a veneer flitch), as such can support book-matched glue ups. And he recommends not working the lumber until needed, so that it has maximum time to reach moisture equilibrium in your shop.

When starting a project be sure to clean your shop first, putting away tools and clearing wood pieces from any prior project, creating a safer environment and clear surfaces for working. Make sure machines are sharp and adjusted, and that hand tools are perfectly sharpened. Will equips his shop apron pouches with a standard array of tools requiring frequent access. Foremost is a six-inch Brown and Sharp (B&S) adjustable double square. (Others prefer a combo square. Six inch B&S or Starrett adjustable squares are expensive but worth the cost. [STARRETT C11H-6-4R 6" Combination Square #06L21 Woodcraft at \$80] Some new models can be found, but vintage versions with great patina are available on eBay and at tool collector swap meets.) Other key tools for your apron include a six inch steel rule, a 4 inch (fixed) tri-square, fine pencils, white chino pencil, white chalk in holder (available at JoAnn Fabrics), a Sharpie (for indelible marking of knots and imperfections), erasure blocks, shop knife, and a pad of Post-it notes. The notes are used as reminders of last or next step for a particular part so that one knows where to pick up upon return to shop, which could be quite some time later. Will also carries a small tri-wing screwdriver.

Will indicates it is important to build a piece in a sensible order, and to start square and stay square, frequently checking cuts and surfaces for square. He likes to prepare and use a full-size drawing, which allows previewing of design proportions. There is a correct order to the milling process, to minimize the number of machine set ups, such as use of the planer to prepare all parts of the same thickness with one set up. While the machine is set, prepare some extra boards of poplar for later trial machine set up. Do all joinery while the pieces are in the square, i.e. before any curve shaping. It is important to label all parts, i.e. "Right front leg" etc. All parts should have a reference surface, and all cuts and joinery should be measured from this reference, i.e. when using a marking gauge. Will does his layout with a 0.7 mm mechanical pencil. Keep all cutoffs as they will be useful later as thickness references, or to test machine set ups. When setting up machines it is good process to make sample cuts with poplar trial pieces.

When setting up table saw, be sure the blade is parallel to the miter slot, and that the fence is parallel to the blade. Will uses a AccuSet PG-12 Paragauge Saw Alignment System for this

process. (This device may not be manufactured currently but there is one available on eBay as of this writing for \$30.) The most important table saw accessory is a cross cut sled, and Will showed a couple different versions. One may want one for use with dado blade as well. He recommends not spending a lot of time to make the sleds look pretty, rather spend your time building projects, not jigs. He showed a tapering jig and a tenoning jig. He recommends making several types of push sticks, as well as feather-boards and zero clearance inserts. Will cautions that most table saw accidents happen when an operator is doing something he/she already knows is marginally unsafe.

Another useful shop “accessory” is stretch wrap, such as Blue Hawk 5-in Stretchpro sold at Lowes. This stuff is inexpensive and is great for storing or transporting project parts, such as when one might travel to a woodworking class with the requirement to bring a pre-milled cut list of parts.

Will provided a lot of information regarding glue up techniques. He recommends dedicating a separate work bench or table, even if it is rough made of plywood painted to resist glue spots. Have available a long straight rule for checking flatness of glue ups, and a dead-blow hammer for closing recalcitrant joints. He showed little blocks with v-troughs lined with rubber for supporting the pipe- or i-bar clamps. He then recommended that one do a full dry fit glue up with all clamps in place to test and practice the glue up and assembly. And he suggested turning off any shop dehumidifier while gluing up to increase glue open time.

He tends to use all the varieties of Titebond glues and pays close attention to shelf life as indicated by the lot numbers printed on the bottles. The current lot numbering system is a 10 digit code. The format is: aymmddbat#. The "a" stands for Made in the U.S.A. The "y" is the last digit of the year of manufacture. Digits "mm" represent the month, and "dd" represent the day of the month. The final four digits represent the batch number used for quality control purposes. Therefore, a product with the lot number A104270023 was manufactured on April 27, 2011. The Titebond site provided shelf life for all of their products. Will recommends using a long thin stick to stir the glue in any bottle which has set around a while.

For table top glue up, joint the edges and then draw a large “V” across all pieces to help line up properly when gluing. Set either parallel bar clamps, or pipe clamps, spaced 6-8 inches apart, alternating over/under along the boards. One does not need biscuits, but they can be used for alignment, as they do not really add joint strength. Apply glue to all joining surfaces. Cauls with C-clamps can be used on the ends to keep the boards aligned. For gluing table aprons to legs (typically via mortise and tenon joints) put all of the glue in the mortise. One might put blue tape around the joint prior to gluing to help avoid the deleterious effects of squeeze out, but not if the tape blocks view of the joint. For through tenons, put shellac around the mortise exterior surfaces to prevent squeeze out from blotching the eventual finish. Dovetails are glued by putting glue only in the tails. When gluing aprons all the way around a table, glue up the longer pair of aprons first, followed by the shorter ones.

For gluing miter joints on small boxes, use web band clamps, but with the box setting raised up at each corner with a single customized fixture. Two band clamps are generally required, one at top and bottom. Very small boxes can be clamped with rubber bands, generally with the box turned upside down for gluing.

Will cautions against wiping off glue squeeze out with a wet rag, not because the wet rag will weaken the joint (Christopher Schwarz says it will not), but because it is too easy to miss a spot. Instead he recommends waiting until the sweet spot of glue dry time (generally about an hour) and then scraping off the partially dried glue. Tony Gigliotti provided the good idea of putting drops of glue on a test board during glue up and using these drops to test for the sweet spot of dry time before scraping.

We thank Will for sharing his tools and methods with us.

Spotlight On New Member**Jason Cowan****By Ann Ivory**

During the day he's Sales/Production Manager at *Treepurposed Detroit* – a thoroughly fascinating place for anyone with woodworking in their blood. The buildings walls are lined with huge, thick slabs on one side and equally large machinery on the other. Towards the front is a finishing room with massive tabletops in progress. Jason works the Woodmizer Mill out back, handles the slabs and creates live edge tables and bar-tops in-between talking to customers.

He got started with wood at the age of 16 doing rough framing, moved on to finish work, then started working with trees and all that experience culminated in his current job. He aspires to eventually doing fine furniture with attention to details.

When asked why he decided to join the Guild he stated that 'Whenever you have the opportunity to access a wide range of knowledgeable people who know more than you do about your passion, it's silly not to take advantage'

Jason's favorite wood is figured Maple, favorite exotic is Koa, favorite tool is the Festool Rotex sander.

Spotlight On Seasoned**Member Will Wilson****By Ann Ivory**

He's our Vice President, a Mechanical Engineer working in the Automotive Industry, married 12 years to Erin with two kids, Olivia (9), and Griffin (6). He's BUSY!

Will joined us at the Woodworking Show in Taylor about 6 years back and thought it would be a great place to connect with other woodworkers and share his passion. His special interest is in hand tools. Once, as a reward to himself for a well-done work related job, he bought a Lie Nielson low angle Block Plane and it gave him a great appreciation for good tools – "using it was a joy, good tools make all the difference"

With a Grandfather that was a carpenter and a "hands-on" Dad, he got the idea early that someday he could build furniture. It's a goal he's working towards. Erin has received cutting boards, boxes and bookcases – utility items. They come hard earned from a garage shop that is both uninsulated and unheated. But there's something else in the works in there – be sure to ask Will about clothespins, a new endeavor that involves all the facets of woodworking that make it interesting.

Membership News
By Ann Ivory

As of July 14th we have a total of 237 members. We have 6 new members. Please welcome:
Tony Klein – Madison Heights;
Terrence Webb – Commerce Twp;
Robert Lindsay – Trenton;
Zachary Spearman – Dearborn;
Randall Fogelman – Detroit;
Jason Cowan - Canton

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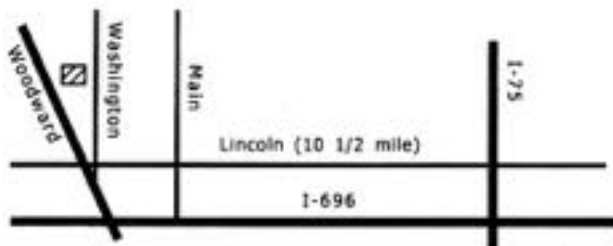


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MAP TO JIMI'S RESTAURANT
714 S. WASHINGTON, ROYAL OAK

For membership information, contact Ann Ivory at 21206 St. Francis, Farmington Hills, Michigan By email, contact at AnnIvory.MWG@gmail.com.

For name tags, sign up with Ed Stuckey at any regular meeting.

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Scenes From The May Meeting



Will Stanford Presenting At The May Meeting