



# Michigan Woodworker

[www.miwoodguild.webs.com](http://www.miwoodguild.webs.com)



**Michigan Woodworker's Guild (Est. 1981)**

**Saturday, October 8th  
9:00 - 4:00PM At The TechShop In  
Allen Park - Jigs, Techniques, and  
Finishing. Featuring Jim Heavey  
of Wood Magazine**

The October luncheon will be held at Jimi's  
in Royal Oak on Thursday the 27th, 1:15 PM



## Upcoming Events

Month	Meeting Date	Topic	Speaker	Location	Luncheon Date
<b>October 2016</b>	Saturday 8 <sup>th</sup> 9:00 – 4:00	Jigs and Finishing	Jim Heavey	Tech Shop in Allen Park	Thursday, 27 <sup>th</sup>
<b>Nov. 2016</b>	Sunday 13 <sup>th</sup> 2:00 – 4:30	Violin Woodmaking	Peter Psarianos	Royal Oak Senior Center	Thursday, 17 <sup>th</sup> If Facility Available
<b>Dec. 2016</b>	Sunday 11 <sup>th</sup>	Christmas Meeting	Al Eicher	Livonia Senior Center	Thursday, 15 <sup>th</sup> If Facility Available
<b>January 2017</b>	Saturday 7 <sup>th</sup> 10:00 – 4:30	Joinery and Finishing	Marc Adams	Tech Shop in Allen Park	Thursday 26 <sup>th</sup>
<b>Feb. 2017</b>	Sunday 12 <sup>th</sup> 2:00 – 4:30	<Under Construction>	Kyle Huntoon	Tech Shop in Allen Park	Thursday, 23 <sup>rd</sup>
<b>March 2017</b>	Saturday 11 <sup>th</sup> 12:00 – 4:30	Showcase Of Skills	Guild Members	Livonia Senior Center	Thursday, 23 <sup>rd</sup>
<b>April 2017</b>	Sunday 8 <sup>th</sup> 2:00 – 4:30	Jigs and Fixtures	Guild Members	Royal Oak Senior Center	Thursday, 27 <sup>th</sup>
<b>May 2017</b>	Sunday 7 <sup>th</sup> 2:00 – 4:30	Carving	TBD	Tech Shop In Allen Park	Thursday, 25 <sup>th</sup>
<b>Notes</b>	All luncheons are held at Jimi's in Royal Oak at 1:15 PM				

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

This fall I'm pleased to report that the Guild will feature a number of events that should prove to be extremely exciting. In some ways these events may help the guild to direct it's future. First, on October 8, we will be hosting a daylong session with one of the most well known speakers on all things wood, **Jim Heavey of Wood Magazine**. I am very confident that you will enjoy his presentation featuring jigs, techniques and finishing. He brings a wealth of knowledge and experience that he will openly share. He is a great communicator, which is evident from his many DVD's and articles. This will be his first program for the Guild and we are fortunate to have him as a featured speaker. I hope that you are able to attend. The program will be held at **TechShop in Allen Park, 9-4:30pm** and includes lunch, all for \$15. Please feel free to bring any guests, for a modest fee, who wish to take advantage of this opportunity to learn from one of the best educators that woodworking has to offer. It is important that you pre register for this event. Please complete the registration form found elsewhere in this bulletin. Send your payment to me asap:

Dr Gary Assarian  
3050 Bloomfield Xing  
Bloomfield Hills, Michigan 48304

Members \$15 /Nonmember \$35

Please don't delay. We really don't want a large number of people who are not registered, as we need a head count to determine lunch and space. Your cooperation is appreciated. If you have any questions, please phone 248 332 0816.

At the time of this printing we will have hosted a membership event at, Rockler in Novi. It is our hope that this will prove to be a venue that the Guild can take advantage of in spreading the word about our Guild and hopefully attract new members. We will see how it goes but it is important that we let others know what the Guild has to offer woodworkers. We can also learn what people want the group to represent. Ultimately, our value will determine whether we can attract and maintain an active membership.

Don't forget November's program on Sunday the 13<sup>th</sup> at Royal Oak featuring Peter Psariano who is an internationally renowned expert in building, restoring and collecting stringed instruments. It should be a very enlightening.

**Michigan Woodworker Guild  
Fall Classic Guest Speaker**

**Jim Heavey of Wood Magazine**

Jim Heavey has been a woodworker for more than 40 years. Today, he serves as contributing craftsman and educator for *WOOD* magazine. Throughout his career Jim has worked as a consultant and tool evaluator for Bosch Tools, consulted for various advertising campaigns and television commercials, and presented national educational programs through Sears, Ridgid tools and The Woodworking Shows.

**October 8, 2016**

**Site: TechShop, 800 Republic Dr, Allen Park, MI 48101**

(313) 583-3831

9am- 4pm

MWG member \$15/nonmember \$35

**Jim will present information on the following topics:**

**Jigs, Jigs and more Jigs**

**• Woodworking Tips & Techniques • Veneer Work • All about Finishing**

**Reserve your spot in advance PLEASE/ any questions please  
Phone 248 310 9328**

**SEND YOUR RESERVATION WITH YOUR \$15 PAYMENT / \$35 for non members  
LUNCH IS INCLUDED (CHECKS PAYABLE TO MICHIGAN WOODWORKERS GUILD)**

Send to:  
DR. GARY ASSARIAN  
3050 BLOOMFIELD XING  
BLOOMFIELD HILLS, MICHIGAN 48304  
248 310 9328  
pathman98@gmail.com

NAME: \_\_\_\_\_

EMAIL: \_\_\_\_\_

PHONE: \_\_\_\_\_

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**September Meeting Review**  
**By Dale Ausherman**

If you want to know ANYTHING about gluing wood, Bob Behnke, Technical Service Manager, Construction Products Division, Franklin International is the person to ask. Franklin is the maker of TiteBond glue products. Part of Bob's job is answering gluing issues questions from customers, for both commercial and non-professional users. Bob gets many calls, some of which begin with "your glue sucks." Bob explores these complaints and generally finds that the user has ignored some critical preparation or environmental factor which is causing the failures. One great feature of Franklin's customer service is that calling the 800 number always gets the called immediately to a real person, which is really refreshing in today's world.

As an aside bonus, in exploring online advice available from TiteBond, I came upon a page containing TiteBond Spotlight Videos, an amazingly broad compendium of woodworking how-to videos. Sample subjects include: Avoiding Clamp Stains; Installing Crown Molding on a Cabinet; and How to Store Your Wood Glue for Longer Life. This is just small sampling of many such topics. These resources can be found at [http://www.titebond.com/Product\\_spotlight.aspx?cat=Woodworking Glues](http://www.titebond.com/Product_spotlight.aspx?cat=Woodworking Glues).

Bob gave us a thorough overview of the wood gluing process in the context of the TiteBond wood glue products. He used a slide presentation to cover the topics of wood characteristics important to gluing, the basic wood glue applications of edge and face gluing and assembly gluing, gluing application guidelines for TiteBond wood glues, and five steps for successful gluing. The five steps were do a dry fit, prepare the glue and accessories, prepare clean up items, glue up, and allow to dry/cure.

Many points were covered in detail, but here I will give a few examples of points which were somewhat new to me.

- Woods with lower density, hardness and strength tend to be easier to glue.
- Wood may be glued with wood moisture content ranging from 6 to 17 percent. (Use a moisture meter, of which the pin ones are best.)
- Wood must be at similar moisture content to avoid stepped joints, and allow time for moisture to equilibrate before machining to avoid sunken glue joints.
- Species with "oily" wood will keep water based adhesives from penetrating, so wipe joints with acetone to remove the near surface oil.
- Burnished wood will not bond well, thus there is a minimum sanding grit for to-be-glued surfaces, something like 320 grit.
- For easy clean up, put masking tape on all joints during dry fit, and then cut apart to disassemble before glue up with the tape still in place.
- Coat or mask any iron clamping pipes to avoid black stains.

- Be sure the shop and substrate temperatures are above the chalk point of the adhesive. (Cold environment or cold work piece temperatures can cause what amounts to freeze drying of the glue, which takes on a chalky characteristic.)
- Allow joints to dry for at least 2-3 hours before unclamping, best to leave for 24 hours prior to stressing the joints.
- For clamping use “45 degree cone of pressure” to determine clamp spacing. By this guideline thinner wood pieces require more clamps or use of cauls.
- Applying glue to single or both sides of joint can work – single side speeds up large assembly times.
- Open time, with respect to glue specifications, is the maximum time interval from when an adhesive is applied to a joint surface, and when that surface must be “closed” in the joint such that the glue performs as advertised.
- Assembly time is the maximum time interval between applying the adhesive on the first substrate and the total assembly including clamping.
- One can add up to 5% water to glue by weight or volume without effecting end strength, i.e. to increase assembly time. But this will reduce viscosity by 1/2 and so can be prone to running.
- Use a shop dehumidifier to quicken cure time, or add humidity to increase open and assembly times.
- Joints must be tight for glue to work well. If they are somewhat loose, use epoxy.
- Squeeze out? Best not to wipe with wet rag as this may force it into the wood cells and impede absorption of stains and finish. Best to wait 20 minutes and then scrape away, followed by sanding.
- For large areas a good spreading tool is a 3/32 half-moon style adhesive spreader with FFA notching. (The FFA means U-shaped notches rather than triangular or square-shaped.)
- Hide glue (liquid form or hot glue pot) is best for future repair/disassembly, glues to itself for repairs, and accepts stain and dyes. It is very strong but not moisture tolerant.

There was great discussion of glue shelf life, a topic of importance to those of us who use only limited amounts of glue. Most companies will put an “Official” shelf life on their products to limit liability in case product goes “bad” due to poor storage conditions. (My last article provide the decoding algorithm for the TiteBond product date codes, or see online.) As to actual usable life, if kept in good storage conditions (typically cool “basement” conditions), most white and yellow glues can be expected to last up to 10 or more years. But some adhesives which are water resistant or fast grabbing will have a bit less shelf life due to increased chemical reactions between glue particles, or they may contain clay particulates which can settle out. The settling can be overcome by stirring the glues. The rule of thumb for testing if wood glue is still good: First: If it comes out of the bottle, that is a very good sign. Second: the glue must “wet” out the joint smoothly. It must not look pasty, stringy or want to stick to itself better than the wood substrate. If either of these occurs, it is time for a new bottle.

And some things about TiteBond products which I did not know: TiteBond III is actually useful below water, contrary to what is stated on the bottle. It is not stated as such because of liability considerations, which are due to less than ideal construction and joinery methods, rather than the glue itself. And TiteBond II will bond wood to many metals!

At presentation end Bob offered to make his PowerPoint slides available, along with a TiteBond wood glue comparison chart containing the key specs and characteristics of all the TiteBond glue products. Accompanying this chart were several other electronic documents including an information packed “Comments” page, FAQ, Gluing Tips, Wood Glue Guide, and a chart of wood strength parameters for many key species. He provided all of this information to one of our attending Guild officers who had an available USB memory stick. The Guild is exploring how to best make this material available to members, perhaps as a website posting or a member-wide email.

Lastly, Bob provided most attendees with samples of some current TiteBond wood glue products. There may not have been enough samples to supply all attendees, so Bob offered to send samples to any member who asks via email to [BobBehnke@FranklinInternational.com](mailto:BobBehnke@FranklinInternational.com).

I thank our program committee for arranging to have Bob as a speaker. I learned much about wood glue that I did not previously know, including the important fact that I do not have to throw away all my glue when it reaches the advertised “shelf life.” This may save me enough money to buy some more gluing clamps!

Dale Ausherman

**Toy Program  
By Ken Wolf**

As we move toward our 2016 holiday season, I would like to remind our guild members of our ongoing program to support Children’s Hospital with toys for the Christmas season and boxes throughout the year. Our goal is to again deliver at least 400 toys to the hospital December 12 along with 30 or more plain wooden boxes and 10 memory boxes. Our members have worked as individuals or in small groups within their own shops to support this program over many years. We need the continued support of our past toy & box builders and new guild participants to help to offset some members who are unable to participate this year.

Toys need to be constructed to meet hospital guidelines such as no metal fasteners, no sharp corners and a finish on the surface to facilitate wiping to clean them. A guideline sheet is available on our website as well as some pattern ideas for toys used in the past. You are free to use your own designs as well. The finish used must comply with federal CPSIA requirements to assure the finishes are lead free. The guild has a list of finishes for which we have CPSIA certificates of compliance on file with the hospital (available on the website or from Ken Wolf). If you choose to use another finish, you need to supply a copy of their compliance certificate along with the toys (certificates are available from the manufacturer). The guild will supply wheels/axles/washers for the toys that you build and donate to the hospital through Ken Wolf.

Boxes need to be built without hinges using sliding or lift off lids with plain boxes (typically made from pine, poplar or maple) given only a seal coat of shellac or lacquer so patients can decorate them in their art classes. The memory boxes are typically made from nice woods and fully finished

for hospital use to return personal belongings to the family when a patient doesn't survive their treatment.

Your support of this worthwhile program is much appreciated by the children who must spend their holidays in the hospital. Please let Ken Wolf know the size and number of wheels you need and he will bring them to the next guild meeting or you can arrange to pick them up. Together we can help make the holidays brighter for hospitalized children.

Ken Wolf

MWG Toy Program Coordinator

734-981-3423

wolfkenneth@att.net

### Some Newer Advertisers Offering Discounts To Guild Members



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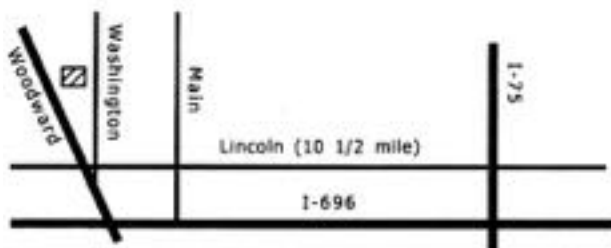
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<p><b>Fax: (248) 476-1090</b></p>	

For membership information, contact Ann Ivory at 21206 St. Francis, Farmington Hills, Michigan By email, contact at [AnnIvory.MWG@gmail.com](mailto:AnnIvory.MWG@gmail.com).

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

**GLENN WING**  
**POWER TOOLS**

33656 Woodward Ave.  
Birmingham, MI 48009  
(248) 644-0444  
(248) 644-5790 Fax  
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Jeff Wilmot



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**21206 St. Frances**  
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### September Meeting Scenes

