



# Michigan Woodworker

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



Michigan Woodworkers' Guild (est. 1981)

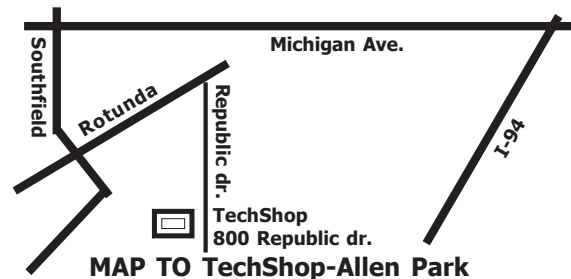
January 2014

Vol. 35 No 1

## Saturday, January 11, 2014

At the TechShop in Allen Park from 9AM to 5PM  
Marc Adams returns for an all day seminar on **Getting The Most From Your Router**. Seating is limited so advance registration is recommended. Contact Bill Rigstad if you have not already registered. **See pg. 2.**

The January luncheon is the 23rd, 1:16 PM, at **Jimi's** in Royal Oak



**Outgoing President Ken Wolf with his departing gift in recognition of his service to the guild.**



**The Luncheon Line At The December Meeting.**

### Calendar Of Events

The February 9 meeting will be at the TechShop in Allen Park. **George Walker** will discuss **Furniture Design**.

The February luncheon will be at Jimi's on the 27th at 1:16 PM

The Saturday, March 8 meeting will be our annual **Showcase Of Woodworking Skills** at the TechShop in Allen Park. If you need floor space, contact Ed Stuckey.

The March luncheon will be at Jimi's on the 27th at 1:16 Pm

The April 13th meeting will be at the TechShop in Allen Park. Clay Bolduc and SteveVaerten will present **Scroll Saw Techniques and Pen Turning**.

The April luncheon will be at Jimi's on the 24th at 1:16 PM

The May 18th meeting at the TechShop in Allen Park will be on **Jigs and Tools** made by or purchased by guild members.

The May luncheon will be at Jimi's on the 22nd at 1:16PM.

# Marc Adams

presented by

## Michigan Woodworkers' Guild

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

Marc Adams, owner of the Marc Adams School of Woodworking will be presenting a one day workshop on "GETTING THE MOST FROM YOUR ROUTER" for novice and experienced woodworkers.

At this workshop, Marc will distinguish the differences between the trim, general, plunge, and "D" handle routers as well as safety and maintenance. Students will learn about the large selection of router bits available today and which ones work best for the job at hand. Speed, torque, feed direction and rate will be discussed



as well as carbide vs high-speed steel, bit diameter, shaft size, collet types, and sharpening. The majority of the class will be spent showing how to make and set up some really cool fixtures including circle, elliptical, mortise & tenon, cope and stile, mock, dovetail, and many others.

The TechShop ([info.dt@techshop.ws](mailto:info.dt@techshop.ws)) facility is an exciting venue available to the public by monthly or annual memberships. At TechShop, innovators, inventors, and makers can access over \$1 million worth of design and fabrication tools. Work in wood, textiles, metals, and more. TechShop offers expert training and can even aid in patenting your idea.



**Date:** Saturday, January 11, 2014  
**Time:** 9:30 am -- 4:30 pm  
 (lunch incl. 12:30 - 1:30 pm)  
**Sign in:** 9:00-9:30 - Coffee & snacks  
**Location:** TechShop Auditorium  
 800 Republic Drive  
 Allen Park, MI 48101

Seating is limited. Pre-payment is **STRONGLY** encouraged. To reserve a spot call, mail, or e-mail Bill Rigstad. Phone: 734-459-3374 E-mail: [wrigstad@aol.com](mailto:wrigstad@aol.com)  
 Address: 9299 Hackberry, Plymouth, MI 48170 Deadline is January 5, 2014

Checks should be made out to: Michigan Woodworkers' Guild

**MWG MEMBERS \$15**

**NON-MEMBERS \$35** (includes a 1 year membership-normally \$25)

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

E-mail: \_\_\_\_\_

Wood interests \_\_\_\_\_

Wood intersts \_\_\_\_\_

Newsletter by e-mail \_\_\_\_\_ or paper \_\_\_\_\_

Newsletter by e-mail \_\_\_\_\_ or paper \_\_\_\_\_

⌋

**Please bring your own folding chair for lunch seating. The Guild has adequate tables for the lunch but does not have enough chairs to ensure seating!**

## The President's Corner by John Sanchez

A long, long time ago in a galaxy far far away. Wait a minute! This is not Star Wars. This is the Michigan Woodworkers Guild. Lets try this again. A long, long time ago (actually July 28, 2013 at Makers Faire, Henry Ford Museum) Bill Gayde asked me if I would be interested in running for President of the Michigan Woodworkers Guild. My first reply was no. After much consideration, (I thought about it long and hard - approximately 24 hours) I decided that I would run. I sent Bill an email letting him know my intentions.

I would like to thank the board members and the guild for electing me as your President. I would like to thank Ken Wolf for the great job he has done over the last four years. His leadership of the guild and as head of the toy program for the Children's Hospital was nothing short of spectacular. I would also like to thank Mike Holden for his work as Vice President this past year. Dr. Gary Assarian will assume the duties of Vice President for the next two years. Gary will continue in his role as program director and I will continue to handle publicity.

At our December meeting Thomas Maher gave an excellent presentation on Frank Lloyd Wright architecture and furniture design. Before the presentation we were treated to a light buffet lunch. **A special thanks go to the ladies in the kitchen Sally Rigstad, Michelle Mills, Connie Wolf and Patty Boulard on a job well done.**

On a sad note Gilbert Bunch, a member of the Board of Directors, passed away on 12-9-2013. With his passing, the guild lost a great friend. Our sincere condolences go out to Gilbert's family.

Mark your calendars! Marc Adams is back on January 11, 2014. Marc will discuss everything you need to know about your router. [See the form on page 2.] If you plan on attending the presentation and wish to pay at the door, please let Bill Rigstad know in advance. The Guild will be providing lunch at the meeting and Bill and Sally Rigstad need to know how many box lunches to purchase for the meeting. The guild has purchased 10 tables for our use at the TechShop. Lunch at the all day meeting will be eaten at a table not on your lap. There will be

a shortage of chairs. **If possible please bring a folding chair.**

This year we moved our meetings to the TechShop in Allen Park. The TechShop offers many advantages over either the Livonia or Royal Oak Senior Centers. It has an auditorium with elevated seating which makes for excellent viewing plus a wide screen which can be used for Power Point presentations. The TechShop is centrally located off of Southfield Freeway and Rotunda. The Southfield Freeway can be accessed by using I-94, I-96 and I-696. If you have any concerns about the movement of meeting location please let me know at (313) 268-8598 or email [sanchezart@aol.com](mailto:sanchezart@aol.com).

## The Editors Two Cents by Peter Goddard

This is the first issue of the guild newsletter for 2014. You may notice some minor changes from the previous newsletters. Those 'changes' are most likely unnoticed errors in this, my first newsletter, as the new editor. Bill Gayde has decided to take a well deserved break from more than a decade of responsibility for the newsletter. He published his first newsletter in 2000.

I think all of us in the MWG owe Bill a well deserved thanks for his many years of service to the guild newsletter. I can only hope to do as well with the newsletter going forward. Bill has set a very high bar. Bill, from all of us in the guild THANK YOU. Without the dedicated involvement of individuals like you, this guild could not function. You have done yeoman's work for the guild for a very long time. I doubt anyone could have done more or had more fun doing so. Again, from all of us THANK YOU!

This column will appear in the newsletter on a semi-regular basis. I intend to use the editor's two cents to provide information to the membership on things that I have identified that appear to be of interest to Guild members.

## Meeting Review By Dale Ausherman

This year our December meeting was special. We had the annual "bring your spouse" holiday meeting with hors d'oeuvres prepared and served by our "Guild Angels", and a wonderful presentation on the life, architecture and interior furnishings of Frank Lloyd Wright. The presentation was given by well known Wright collector, consultant and writer Thomas Maher. The presentation focused on Wright-designed interiors including his signature furniture. Most of Tom's past presentations have been general in nature, covering Wright's life and works of homes and buildings. His personal interest is more in the detailed designs of Wright's interior decorative arts, including his furniture. He appreciated the opportunity to present to a group with similar focus on furniture and related arts.

Frank *Lincoln* Wright was born in Wisconsin in 1867, and died at age 91 in Arizona. After high school Wright attended architectural school briefly, before he left to join key architectural firms in Chicago as an apprentice. Wright had the genius to succeed, despite a lack of formal training, and rose rapidly in the architectural ranks.

Chicago was a boomtown for architects during the late 19<sup>th</sup> century due to the great Chicago fire of 1871, which required rebuilding nearly the entire city. Wright's career grew rapidly during this period, designing homes for many wealthy Chicago area clients, in addition to the business buildings on which his architectural firms were focused. He built his own home and attached studio in nearby Oak Park, IL.

Tom presented many homes, business buildings and interior furnishings, far too many to cover in this brief article. Interesting examples included early cube chairs, which evolved into Wright's signature straight line

tall back chairs with multiple spindles and legs which flared out where they met the floor. Tom also showed some Wright metal urns, which are now quite collectable. Wright also designed early electric lighting fixtures, including the now common hanging spheres. There is lots of variation to Wright's furniture over his career, but much of the early examples relate to the Arts and Crafts style which was becoming popular in the early 20<sup>th</sup> century. He also created his signature "barrel" chairs, which were basically round in form and constructed of many spindles. There also was a ratcheted-back Murphy-like chair, and a spindled square radiator cover.

Wright was able to reinvent himself several times during his career. In the early 1920's he built the Imperial Hotel in Japan. Wright built this hotel on floating plates to enable survival of the frequent Japanese earthquakes. The Hotel survived a massive 1924 earthquake. Up through 1932 he wrote many architectural books, and a personal biography. In 1935 he designed and built the famous Falling Waters home of Pittsburgh department store magnate Edgar J. Kaufmann Sr., at Mill Run, Pennsylvania. Today this home is open to the public and is a wonderful place to visit.

In 1932 Wright began to design simpler, more affordable homes for young people, often with furniture designs the buyers could build themselves. He also continued to design industrial facilities such as the Johnson Wax headquarters in 1939. In the latter part of his career he designed many more homes, including ones in Benton Harbor and Ann Arbor. There are three in the Metro Detroit area; The Dorothy Turkel house, the Melvyn Maxwell Smith house, and the Gregor Affleck House. Pictures of these three are at <http://www.detroitmoxie.com/home/2011/9/6/frank-lloyd-wrights-presence-in-metro-detroit.html>. These three houses are examples of the Usonian house, a new type of dwelling that Wright conceived in the early 1940's. Designed on a gridded concrete slab that integrated the house's radiant heating

system, these houses featured new approaches to construction. This construction included sandwich walls that consisted of layers of wood siding, plywood cores, and building paper.

Thank you to Tom for sharing his knowledge in this wonderful presentation. DAA

### **Election Results By Bill Gayde**

The annual election of guild officers occurred as a part of the December 8 meeting. The results of that election are shown below.

President -- John Sanchez  
Vice-President -- Gary Assarian  
Treasurer -- Ed Stuckey  
Secretary -- John Dolinsky  
Clay Bolduc -- Officer at Large  
Richard Fryer -- Officer at Large  
Tony Gigliotti -- Officer at Large  
Al Goldstein -- Officer at Large  
Ann Ivory -- Officer at Large  
Tom Kearns -- Officer at Large  
Bob Mills -- Officer at Large  
Greg Smith -- Officer at Large  
Steve Vaerten -- Officer at Large

Standing Committee Chairs appointed:

Head Librarian -- Gale Oosterhart  
Assistant Librarian -- Bob Krauter  
Assistant Librarian -- Jule Ann Clough  
Membership -- Bill Gayde  
Newsletter Editor -- Pete Goddard  
Programs -- Gary Assarian  
Publicity -- John Sanchez

Special Committee Chairs appointed:

Ken Wolf -- Toy Project  
Jim Kudej -- Special Projects  
Bill Rigstad -- Special Projects  
Bill Gayde -- Web Site

### **SAPFM Announcement By Ed Stuckey**

**Society of American Period Furniture  
Makers-Detroit Institute of Arts-Artist  
Exhibition/Workshop**

**Saturday, March 29 10am-4pm and  
Sunday, March 30 10am-4pm**

The Great Lakes Chapter has been invited to give another workshop. Our last event in March 2013 was extremely successful. Over 1100 visitors attended the 2 day sessions. The Museum staff was so pleased that they have given us a bigger venue this year

As a group we intend to demonstrate the techniques of 18<sup>th</sup> Century Period Furniture construction so that the public will have a better understanding and an appreciation for period furniture.

1. We will be giving demonstrations: How to construct mortise and tenon joints, dovetails, chairs, ball and claw feet, cabriole legs, marquetry, shell carving, line and berry inlays, and many more.
2. Member's furniture will be on display,
3. Our members will be giving guided tours of the DAI's 18<sup>th</sup> century furniture collection located in the American Wing.
4. Members will be making Candle Stick Box kits that children can take home to assemble. The museum prohibits assembling of any item while in the Great Hall. They are concerned about young children with hammers and nails in the midst of valuable art works. We plan to make about 50-60 kits.

## FYI by Bill Rigstad

### Hardening Blades

Shop made blades are an effective way to obtain custom blades for planes, chisels, and other edge tools. Making a shop made blade requires that the hardening of the blade use only tools that are readily available in the home shop environment. The discussion below applies to O1 tool steel. Other tool steels, such as A2 and High Speed Steels, while readily obtainable, require complex heat treatment temperatures and times. These steels cannot be hardened and tempered in most home shop environments.

O1 Tool steel is readily available from local sources at nominal prices. For example, O1 tool steel in a 1" width, 1/8" thick locally costs ~\$12 in 18" lengths. The O1 steel is delivered *annealed* (at maximum softness). The annealed tool steel can easily be shaped to the desired blade (or other use) configuration using common hand tools.

After shaping, the blade must be *hardened* in order for it to hold an edge in use. This can be done by heating about two inches of the beveled end of the blade to a "cherry red" using a MAPP gas torch and then quenching the blade quickly. John Wilson has popularized (and demonstrated at a Guild meeting) the use of a little "furnace" made of two nested tin cans, secured together with a pop-rivet or two connecting the bottoms. MAPP gas bottles and torches are available in local hardware stores. One can also use a simple propane torch, but it may not be hot enough for blades greater than 3/4 inch width.

To harden the blade, point the torch flame cone about 1 1/2 to 2 inches from the bevel end of the blade and wait until the heat color

works its way down to the beveled end of the blade. Once a cherry color is obtained (should be viewed in a dim shop environment, not in bright ambient light) at the end of the blade, the blade is quickly quenched in one quick swirling stroke in a metal container of oil. Soybean or peanut oil from a local food store works well. [Sam's, COSTCO and similar stores carry the larger sizes.] Obviously there is lots of hot stuff here so use long pliers and wear good thick gloves, as well as eye protection.

After quenching, the blade is very hard and brittle. In use, the blade edge would chip easily. Hardened and not yet tempered blades have been known to shatter when dropped on a hard shop floor. The blade must be *tempered* to obtain a hardness that is a good compromise between the ability to hold an edge (hardness) and toughness.

To temper the blade it is reheated, but to a much lower temperature than when hardened. In John Wilson's plane making classes the blade for the plane is heated in a normal kitchen toaster oven to about 375 degrees. This is the tempering heat recommended by the manufacturer of the O1 tool steel. Once the blade has fully heated to the 375 degrees, the toaster oven is turned off, with the blade remaining inside, and allowed to slowly cool to room temperature. Heating the blade to 350-400 deg for about 20 minutes prior to slow cooling is expected to result in a hardness of between 57 and 62 on the Rockwell scale. (The Rockwell scale is a hardness scale based on indentation hardness of a material. [http://en.wikipedia.org/wiki/Rockwell\\_scale](http://en.wikipedia.org/wiki/Rockwell_scale)).

Once hardened and tempered, the blade can then be sharpened in the usual manner and used.

[Editors Note: I have used this process on numerous shop made tools and it works really well. Please be aware of the fire risks inherent in using MAPP torches, heated tool steel, and quenching oil. Appropriate fire precautions should always be taken]





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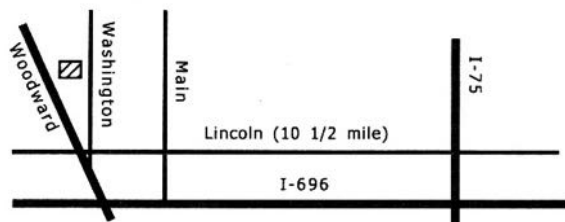
**Stock Up for the Shop Sale thru 1/10/2014,****Winter Woodworking Sale 1/11-1/24/2014**

29918 Woodward Ave. • Royal Oak 248-543-5110 • Rockler.com

Store Hours: M-F 9 am - 7 pm • Sat 9 am - 6 pm • Sun 11 am - 4 pm

For membership information,  
 contact Bill Gayde at 25575 York,  
 Royal Oak, Mi, 48067 or email at  
[williamgayde@comcast.net](mailto:williamgayde@comcast.net)

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



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**Michigan Woodworkers Guild**  
**25575 York Road**  
**Royal Oak, Michigan 48067**

## **The Picture Gallery**



**Long time Guild member  
Gilbert Bunch**



**Members of the toy project and some of the toys  
ready to be donated to the Children's Hospital.**