

# Woodworkers Guild

of

Southwestern Michigan January 2014

## Next Meeting

### Location

**January 14th, 2014 7:00pm**

### Homestead Furniture and Cabinetry

Located in the Parks Trade Building  
326 W. Kalamazoo Ave

Homestead Furniture is in the southwest section of the Park Trade Center. Enter the shop from the west side of the building. Parking is available on the west side across the street from the Park Trade Center.

Agenda: Dennis Dahl will be giving us a tour of his shop.



The December meeting was held at Al Collison's shop. Despite the cold weather and snow fall, twenty three members were in attendance.

Bill Crown open the meeting and kept the business discussion short. There was a display of hand crafted cars, toys and a jewelry box for the Christmas charity build. Bill expressed hope that these would inspire the members to create and build more toys next for the next Christmas season. It was noted that this year's build of cars was less than the previous year. Also mentioned was that the jewelry box build at Al's shop was very successful and plans are to start this earlier in the season next year.



The meeting was opened up to show and tell and we had a lot of good projects and discussions.

Mark Branch inquired about techniques to repair a set of chairs with failed glue joints. A product called "Chair-Loc" was mentioned. The following description for Chair-Loc can be found on the web: "Not a glue. Expands wood fiber, deposits solids in expanded fiber to retain enlarged size. 1 bottle will do approximately 50 joints, assuming a per joint use of 1cc. 2 oz." Plane shavings and CA glue, pinning the tenons, and use of surgical tubing as a clamp on awkward chair legs were also discussed as solutions.

Thom Kelley presented a plastic box he built to hold sanding strips, it mimics the original packaging but is much sturdier and easier to use. The plastic came from Alro Metals Plus here in Kalamazoo.

Wolfgang Lugauer brought in his homemade version of the aggravation game. The pieces interlock to accommodate the number of players. He also built a storage box to house the pieces and pegs. The plastic pegs can be purchased on line at Amazon. The game is played with cards instead of dice. The rules of the game can be found on line at [www.pegssandjokers.com](http://www.pegssandjokers.com).



Ralph Babcock presented another of his beautiful boxes. On this particular one he used the skills learn from the recent inlay class sponsored by the guild. There was a discussion around using a compact Rigid router from Home Depot for the inlay work due to its clear base. The Ryobi router was also recommended for inlay routing.



Ralph mentioned a great book "Grandpa's Workshop" available at Lee Valley. Ralph also read to the guild a letter he sent to Tillers International complete with check for \$500 for his matching contribution challenge to the guild. For those not aware, at the previous month's meeting at Tillers, Ralph challenged the guild to match his \$500 contribution to Tillers for their work and appreciation for their open house presentations to the guild. Bill

Crown is accepting donations from anyone wishing to help match Ralph's contribution.

Don Smith had some samples of wood he uses in his pen turning endeavors.

Art Wurfel brought in one of two desks that he made for his twin ten year old grandsons. The joints were made using a Kreg jig, even the plywood top was attached with pocket screws. No glue was used in the Kreg joints. The desk has an incredibly smooth top from brushed on varnish.

The guild presented Norma and Al Collison a \$100 Woodcraft gift card for all their support and hospitality.



Mike Cline walked us through the new guild web page that he has put together. Check it out at <http://woodguild.tripod.com>. Additional information will be attached to the newsletter.

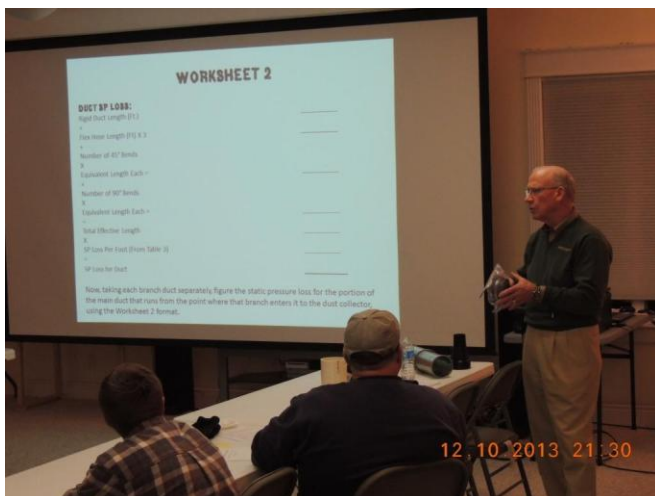


The remainder of the evening was turned over to our feature speaker Gary Foote, owner of Woodcraft of Grand Rapids. Gary braved the elements to come down and discuss dust collection. The topic was broken down into two distinct segments: dust collection and air filtration. Cleanliness of shop and finishing area, safety, efficiency and health drive both aspects.

Air filtration is needed because wood dust is a carcinogenic. The microscopic particles must be filtered out of the air, else they will make their way deep into one's lungs and become a launching point for all sorts of health issues. Filtration is best accomplished with an overhead filtration unit mounted off to one side of the shop. The location of

the filtration unit is such to create a circular flow of air around the shop area. The goal should be to scrub the air down to one micron sized dust particles or less. Consider that a human hair is somewhere between 50~100 microns in diameter.

For total shop dust collection, one must consider the CFM (Cubic Feet/Minute) of air flow required by each machine, and air flow losses encountered by the ducting to connect machine and dust collector. From there, one can size the dust collector for their needs. It may sound complicated but Gary broke it down into a formula and provided handouts to calculate the needs. Gary pointed out that manufacturers are now listing the recommended CFMs in their manual, the numbers are self determined by the manufactures as a guideline. Currently there is no official regulating body on CFM requirements for equipment or dust collector manufactures.



The type duct work used can have a huge impact on the performance and size requirements of a collection system. A smooth ridged pipe with smooth flowing fittings giving the best performance verses corrugated flexible pipe with short radius fittings. Schedule 40 PVC pipe found in most home centers offers an economical option for ducting. It has long been thought the PVC pipe would build a static charge with a resulting arc causing a fire or strong shock. This lead to a lot of theories on how to ground the PVC with copper wires inside, outside, and wound around the pipes. However, current thinking describes this static discharge as more myth than reality as there have been no documented fires originating from a static discharge arc. There is metal duct work specifically designed for dust collection

and it comes with a high price tag. Typical furnace duct work is too flimsy and can collapse under the vacuum pressure and is prone to leaks. To keep dust flowing through duct work, the air flow must be at least 4000 feet per minute, or about 45 miles per hour.

Gary mentioned that dust collectors with a canister filter should have an internal paddle to knock the dust build up from the pleats inside the filter. This also means one must be disciplined about running the paddle as most have a manual crank.

Gary brought along some samples of automatic blast gates from GRN gate and a number of dust collection fittings to demonstrate different sizes and shapes available. The guild appreciates Gary for coming down on such a snowy night. Go visit him in Grand Rapids for all of you dust collection needs.



### **Guild Officers**

President - Bill Crown	375-1594
Vice President - Al Collison	685-8428
Treasurer - Herb Joynt	544-7264
Newsletter Ed. - Scott McDavid	544-2177
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### **WOODCRAFT**

**4265 28<sup>th</sup> St. SE  
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616-957-9663**

**[woodcraftmich550@sbcglobal.net](mailto:woodcraftmich550@sbcglobal.net)**

#### ***Directions***

***New Hwy 6 E. off 131 to  
M-37, N. to 28<sup>th</sup> St., Right  
on 28<sup>th</sup>, One mile from  
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Gary Foote, Owner***

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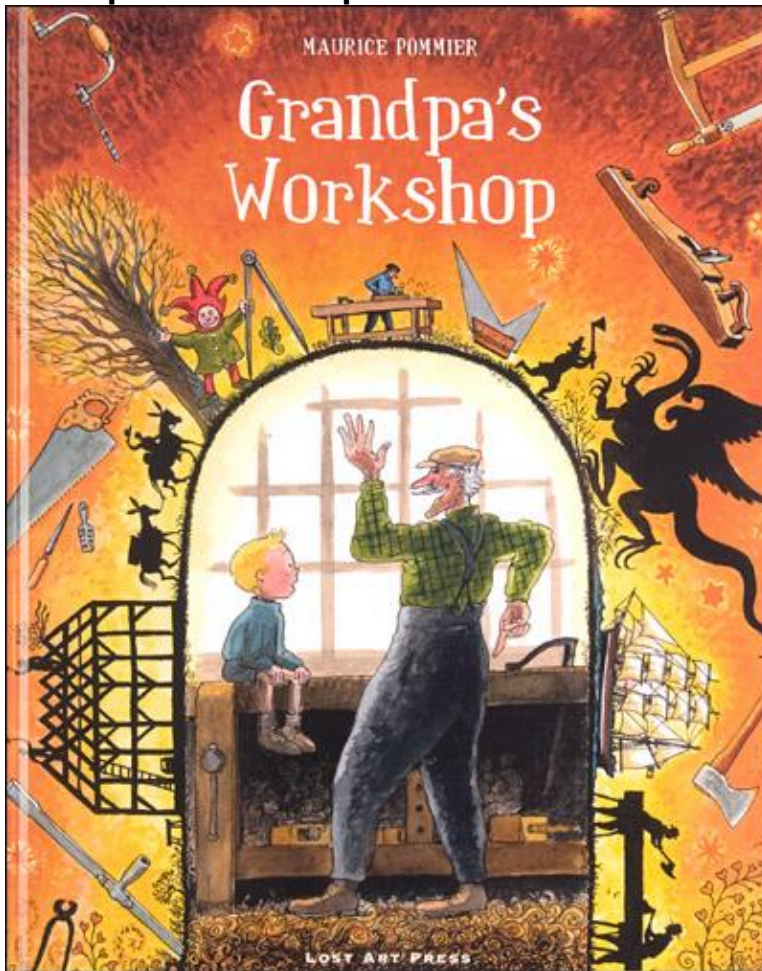
***PH 269-685 2646***

<http://www.woodguild.org> Our new website is now up and running. It has several sections to it that will be updated on a continuous basis as new information is received from the membership. There are tabs/links across the top of the page, below the logo, that will open different pages as follows:

- **Home**
  - (This will take you back to the home page)
- **Guild Officers**
  - ( These are our current officers with their phone numbers)
- **Newsletters**
  - (Here you can download the current or any past newsletter)
- **Links**
  - (Here is a list of places/things on the web that our membership thought was interesting. If you have an interesting something you'd like to share, email it to Mike Cline at [email@woodguild.org](mailto:email@woodguild.org) and I will see that it is posted.)
- **Photos**
  - (This is our "photo album" page. Email you photos and information about it to Mike Cline at [email@woodguild.org](mailto:email@woodguild.org) and I'll see that it gets posted.)
- **Events**
  - (This is a page that will link you to a calendar of the current season listing all the known (to me) happenings with/to/about our club. If you have an event, email the information to Mike Cline at [email@woodguild.org](mailto:email@woodguild.org) )
- **For Hire**
  - (Here a member can place a commercial advertisement for their woodworking skills free of charge. Email the information to Mike Cline at [email@woodguild.org](mailto:email@woodguild.org).)
- **Wanted-For Sale**
  - (You can place a tool/project for sale here or ask for information to purchase a tool/project. Email the information to Mike Cline at [email@woodguild.org](mailto:email@woodguild.org))
- **Sign Up**
  - (Prospective members can start the signup process or request being added to our newsletter emailing list)
- **About**
  - A history and our vision for the future of our club
- **Sponsors**
  - (A listing of our supporting sponsors)
- **Library**
  - (You can borrow or lend your books, magazines etc here. Email the information to lend to Mike Cline at [email@woodguild.org](mailto:email@woodguild.org))
- **Members Only**
  - Password protected area for showing members list, contact information and other information not for public distribution.

These pages are by no means carved in stone. They are just what I envisioned and any and all comments/criticisms/contributions are welcome, as well any other thoughts. Remember, this is your clubs webpage.

## Grandpa's Workshop



by Maurice Pommier

This is not your average children's book. While woodworking tools might seem a rather dry subject for children, this richly illustrated tale of tools is a work of great imagination, grounded partly in reality, partly in fantasy. Intended as much for adult readers as it is for children, it is filled with colorful, entertaining and sometimes dark detail that will remind some readers of Tim Burton's films or the Brothers Grimm tales.

First published in France with the title *Dans l'atelier de Pépère*, it explores the world of hand tools through the eyes of a boy named Sylvain, the youngest of a family of woodworkers. As he spends time learning the craft in his grandfather's workshop, he hears stories that trace the history of his grandpa's tools as they have been passed from generation to generation. Along the way, various traditional tools, from an English handsaw to a besaigue, become characters in the narrative, alongside elves and even a dragon. The stories and full-color illustrations reveal a deep appreciation for hand tools and serve as a wonderful way to open young eyes to the history and significance of woodworking traditions. A rare gem.

We offer the English translation as well as the original French edition. English: hardcover, 9-1/2" x 12", 48 pages, 2012. French: hardcover, 9-1/2" x 12", 48 pages, 2007.

*Dans l'atelier de Pépère* is no longer available.

**Grandpa's Workshop**

**\$20.00**

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