



# West Michigan Woodworkers Guild

Decembrer 2020

Newsletter

## President's Corner

By Les Derusha

### Next Meeting

Tuesday, December 8, 2020

7:00 PM

Online meeting via ZOOM

Available on any device that can access the internet.

A link to the ZOOM meeting is located just over on the right column in the blue box. The link will also be sent out to the e-mail on file with the guild prior to the meeting.

The Guild's Facebook page :

[www.facebook.com/groups/wmiwwguild](https://www.facebook.com/groups/wmiwwguild)

The best way to stay in touch while staying apart . . .

Dear Members, greetings from somewhere warmer than Michigan!

I hope this message finds all of you well and staying safe. So far we have had great ZOOM meetings, and this month we are excited to try something new. This month we will be doing a live-stream from the shop of one of our members : Sam Lacina, who will be doing an Epoxy demonstration. This presentation style has a lot of potential for the future (even when we are back meeting in person) and we are excited to see how it works.

Our next meeting will be on  
Tuesday, December 8, at 7:00PM.  
(Mark your Calendar).  
Link to the Zoom Meeting:

<https://us02web.zoom.us/j/82744047756?pwd=cVVkcXFoR1h-DOG80V2Y2K1lVTzJJZz09>

Meeting ID: 827 4404 7756  
Passcode: 019716

It is probably obvious to most of you, but we will not be doing our annual pizza party at the December meeting, so if you are a stickler for tradition, feel free to eat during the presentation.

In January we have a CNC demonstration lined up, and it should be fantastic. Hope to see you there! Stay healthy! Stay Safe!

# November meeting recap

by Steve DeVries



Image from Grizzly.com

During the November meeting, Dale Smith gave everyone a great run-down on the different types of dust collectors. Once again, there was far too much information to recap it all here, but these two pages have some of the highlights.

Regardless of what sort of dust collection you use, can afford, or prefer, there are a couple of universal things to think about :

- Dust collection is about collecting fine dust, not about collecting all the big chips
- It isn't about the speed of the air flow, it is about the volume - cubic feet per minute
- Some dust collection is better than none, but you might have a false sense of security.

## Particle Settling in Still Air

### Time to settle 5 feet by unit density spheres



**Aerodynamic diameter definition:**  
diameter of a unit density sphere that  
settles at the same velocity as the particle  
in question

This data by the CDC shows that a 30 micron filter which is the 'standard' filter provided by many manufacturers (pleated or a bag) will do you almost no good in collecting the fine dust that will linger in the air and your lungs. Check your filter and/or bag ratings! See the full report here:

[https://www.cdc.gov/niosh/topics/aerosols/pdfs/aerosol\\_101.pdf](https://www.cdc.gov/niosh/topics/aerosols/pdfs/aerosol_101.pdf)



Large floor models provide the benefits of a cyclone collector and a filter, offering great air cleaning but can be expensive and take up space.

Image from [Oneida.com](http://Oneida.com)



Image from [Grainger.com](http://Grainger.com)

Image from [Shopfox](http://Shopfox.com)

Mid-sized units provide a separate collection bag and either a pleated filter or a bag filter. These can be sufficient for home hobby shops and are also easy to move around.



Image from [MSC-direct.com](http://MSC-direct.com)

Small units can be cost-effective, but the bag must have a fine enough weave and can clog up quickly, reducing the effectiveness.



Image from [Amazon.com](http://Amazon.com)

Small cyclones can be an add-on to almost any dust collection system.



Image from [Harveywoodworking.com](http://Harveywoodworking.com)

High-end air filtration will keep your lungs cleaner than taking a walk outside, but you will pay for it.

# How to access ZOOM

## Zoom for newbies

To participate in virtual meetings you'll need to download the FREE Zoom software.

Desktop and laptop computer users should go online to zoom.us, join as a free basic member by entering your email and a password, and look under the "resources" tab for the download. Smartphone users, go to your app store for "zoom cloud computing." There are many concise videos on line showing you how to install and start Zoom.

**Joining the meeting.** When you receive an invitation in your email, just look for the Zoom link to join meeting, and click it.

**Full screen.** In the meeting, look in the upper right corner of your screen and click "enter full screen," to see the biggest picture.

**Views.** Also in the upper left, you'll see either "Speaker View" or "Gallery View," click to switch. In Gallery View, you see Hollywood Squares. In Speaker View, the person talking fills your screen. You can switch back and forth.

**Mute/Unmute.** Look in the lower left corner of your screen for a wee microphone, here you can Mute your sound, and Unmute. Switch back and forth to see how it works; in many setups, the space bar acts as a "press to talk" switch.

**Smartphones** will show a bigger better picture if you turn them sideways.

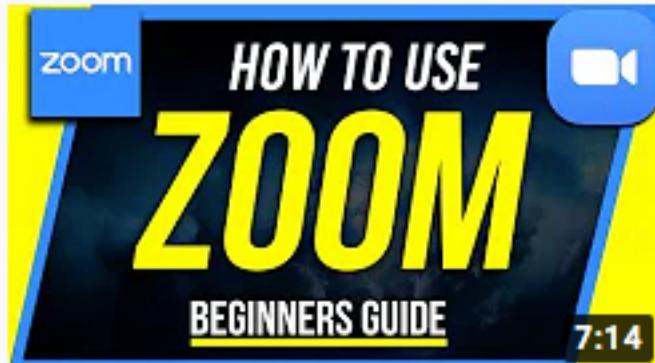
**More Zoom controls** appear as icons on the bottom of the screen. You can experiment with them.

**Exit.** Click "Leave the Meeting," in red at lower right, to end the session.

See you at the virtual meeting!



<https://www.youtube.com/watch?v=FnFSBjFvK2o&t=2s>



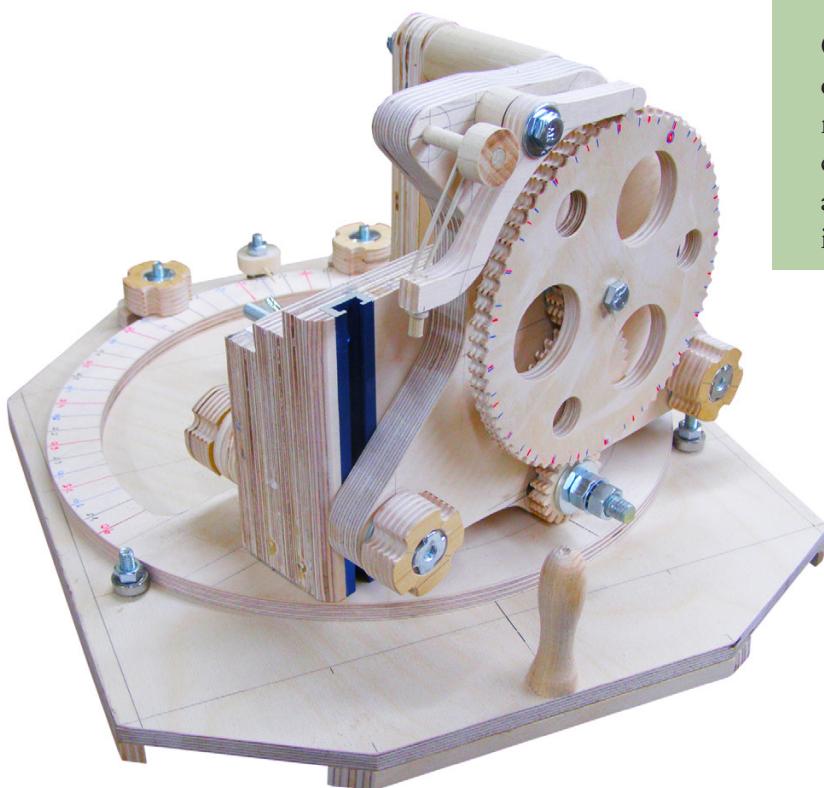
<https://www.youtube.com/watch?v=fMUxzrgZvZQ>



<https://zoom.us/resources>

## Show-and-Tell

by Steve DeVries



Over the past month or so Steve DeVries developed a table saw jig to cut accurate, repeatable wooden wheel tire treads. The jig can be rotated 90 degrees in either direction and make treads down to as detailed as 5 degree increments between cuts.



### Show us what you have! Calling all projects! We need your help!

The guild leadership is working on a way to integrate Show-and-Tell into our online meetings. It has been consistently one of the most popular segments of our in-person meetings.

No need to wait to show off that project! Send photos and a brief description of your projects to Steve DeVries for publication in the Newsletter! Some common information to include would be: type of wood used, finish, joint style, how long it took to build, and any other interesting facts about your project. This doesn't stop you from bringing it in when we start up in-person meetings again, but this way you get to show it off twice!

Send to : [newsletter@westmichiganwoodworkers.org](mailto:newsletter@westmichiganwoodworkers.org)



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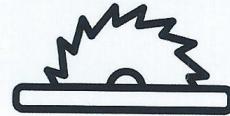
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## Web information

The Guild's Facebook page :  
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The Guild's website :  
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