



West Michigan Woodworkers Guild

January 2021
Newsletter

President's Corner

By Les Derusha

Next Meeting

Tuesday, January 12, 2021
7:00 PM

Online meeting via ZOOM

Available on any device that can
access the internet.



[https://us02web.zoom.us/
j/81559363890?pwd=NmhlaEJU-
WkhuK0hVTXh3VXZVSUVoZz09](https://us02web.zoom.us/j/81559363890?pwd=NmhlaEJU-WkhuK0hVTXh3VXZVSUVoZz09)

Meeting ID: 815 5936 3890
Passcode: 652937



The Guild's
Facebook page :

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

As we chase Covid-19 into 2021, we progress on our path using Zoom for our January meeting.

In December we went to the home of Sam Lacina for an excellent live presentation on Epoxy from A-Z.

For the January meeting (January 12, 2021 7:00pm (EST)) we will be doing a remote presentation from California. We will have Cory from AVID CNC (formerly known as CNC Router Parts) as our guest speaker. Cory will be presenting the AVID-CNC product line, their usage, design tools, and demonstration of the individual unit using a compilation of YouTube videos that he will voice over and answer questions.

For February we will be streaming live from the home of Case Vander Maas where he will be doing a presentation on Wood Finishing.

In our December Guild Board meeting we discussed the dues issue. We decided to forgo dues until September 2021 or whenever we can meet again in person. That therefor makes all members up-to-date on their dues.

We are HOPING that by June 2021 the COVID risk may be acceptable for us to have our annual season-end picnic. The picnic is always out-of-doors so it is a BIG hope of ours that we MAY be able to get together in person! Stay tuned!

Hope you had a Happy Holiday season and looking forward to your smiling faces on the 12th!

-Les

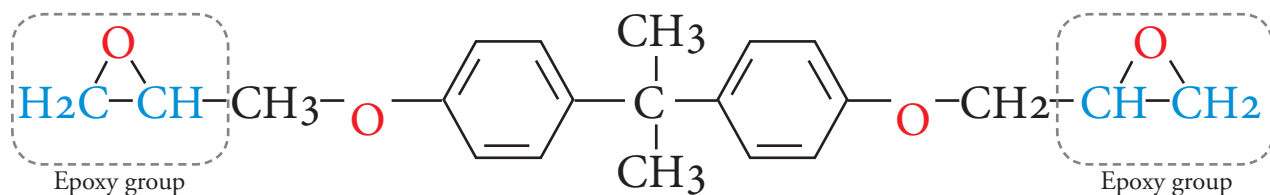
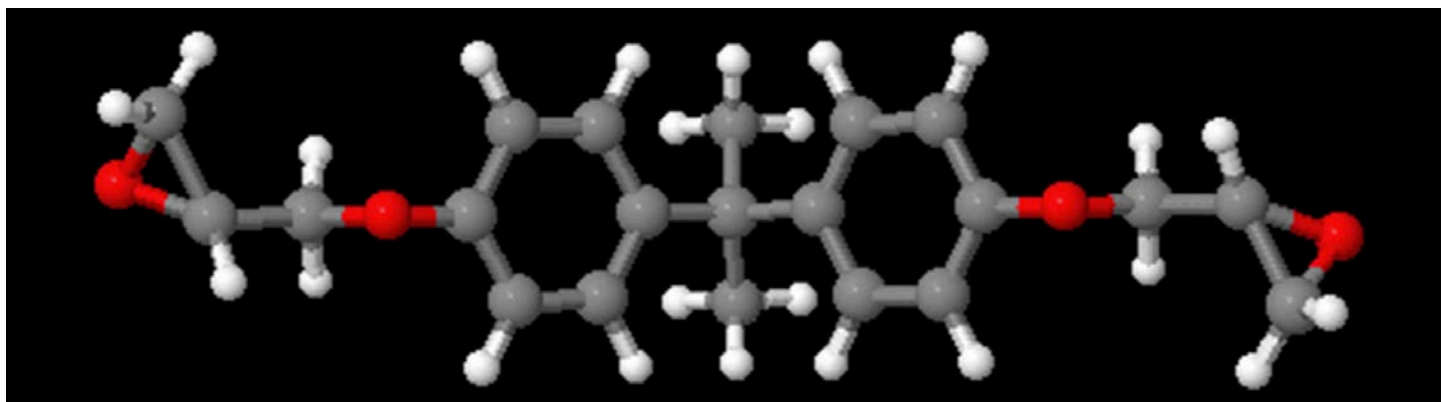
December meeting recap

by Steve DeVries
presentation by Sam Lacina

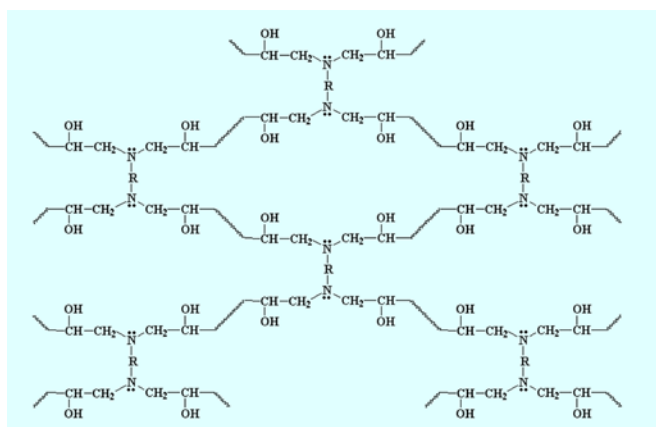
I don't know about the rest of you, but Chemistry was not my strong point in school. I like the models of the molecules, but in a "I wonder if I can build that model out of wood" way, not in the "how do these chemicals react" way.

Sam Lacina has clearly delved into the chemistry of epoxy and knows more about it than I could ever cover here, so perhaps the best summary of his presentation would be this

"If you need to know something about Epoxy, go talk to Sam."



Above is a model and chemical diagram of an epoxy molecule. Below is a diagram of epoxy molecules linked together to form a cured product. You don't have to understand chemistry to see the chains of molecules linked together in a highly structural arrangement. This arrangement is very strong, but also quite complex.



Epoxy chemistry images are from the Polymer Science Learning Center (pslc.wm) and are used for educational purposes under the Fair Use clauses of U.S. Copyright Law

Epoxy is a thermal setting product. Heat helps it cure, and it produces heat.

Epoxy, like glues, work by bringing the plastic particles closer together as it dries/cures.

When letting Epoxy dry/cure, you can let the surrounding temperature go from warmer to cooler, but not the other way around. If you go from cooler to warmer, you will get bubbles in the epoxy from the wood that is heating up.

Project Spotlight

“Violin” by Mark Nickerson

A decade ago I purchased a woodworking book: “Violin Making, An illustrated guide for the amateur”. It was a pipe dream then to make one.

The pandemic provided the down time, and after refurbishing a cast-off cello for my son (January-June 2020), I recieved the courage to tackle a violin from scratch. I made it from wood I had on hand, wanting to limit my costs should I prove inept. I give high marks to the book by Bruce Ossman. In July, 182 steps seemed like a mountain; but good instructions, well-illustrated and full-sized patterns for parts, and here I am in December with a violin I'm proud of. Don't get me started about the flaws and mistakes along the way! It was a learning experience.



Starting with a form: The ribs are bent and glued to blocks inserted in the form.



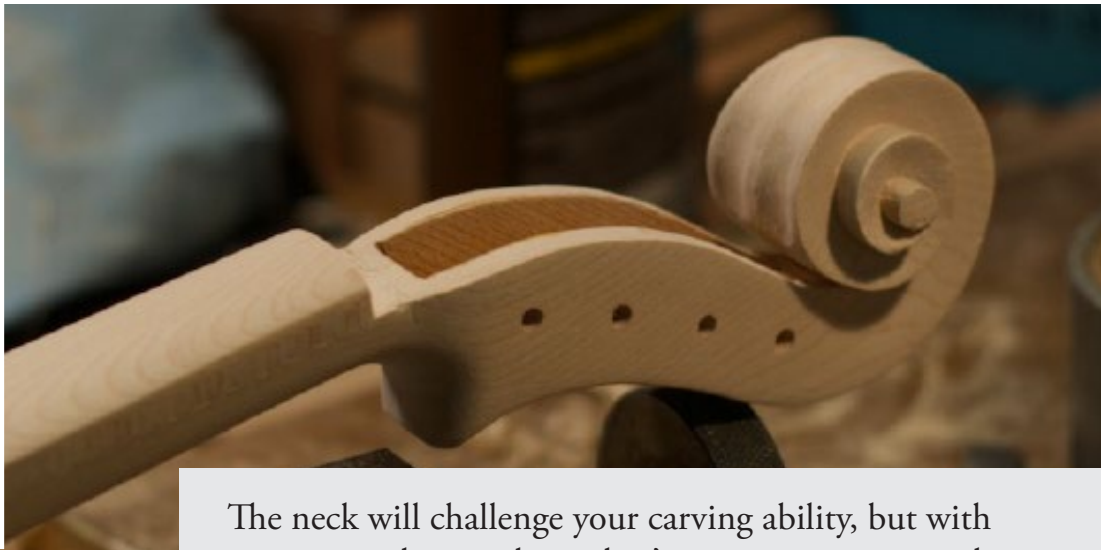
“Creative Clamping” is the name of the game when working with odd-shaped forms, and rubber bands are your friend.





The form is then removed and the ribs prepared to receive the back, belly, and neck. Typically the belly is made of spruce, while the ribs, back, and neck are caved from maple. I made my belly from cherry.





The neck will challenge your carving ability, but with patience and time, the author's instructions are good.



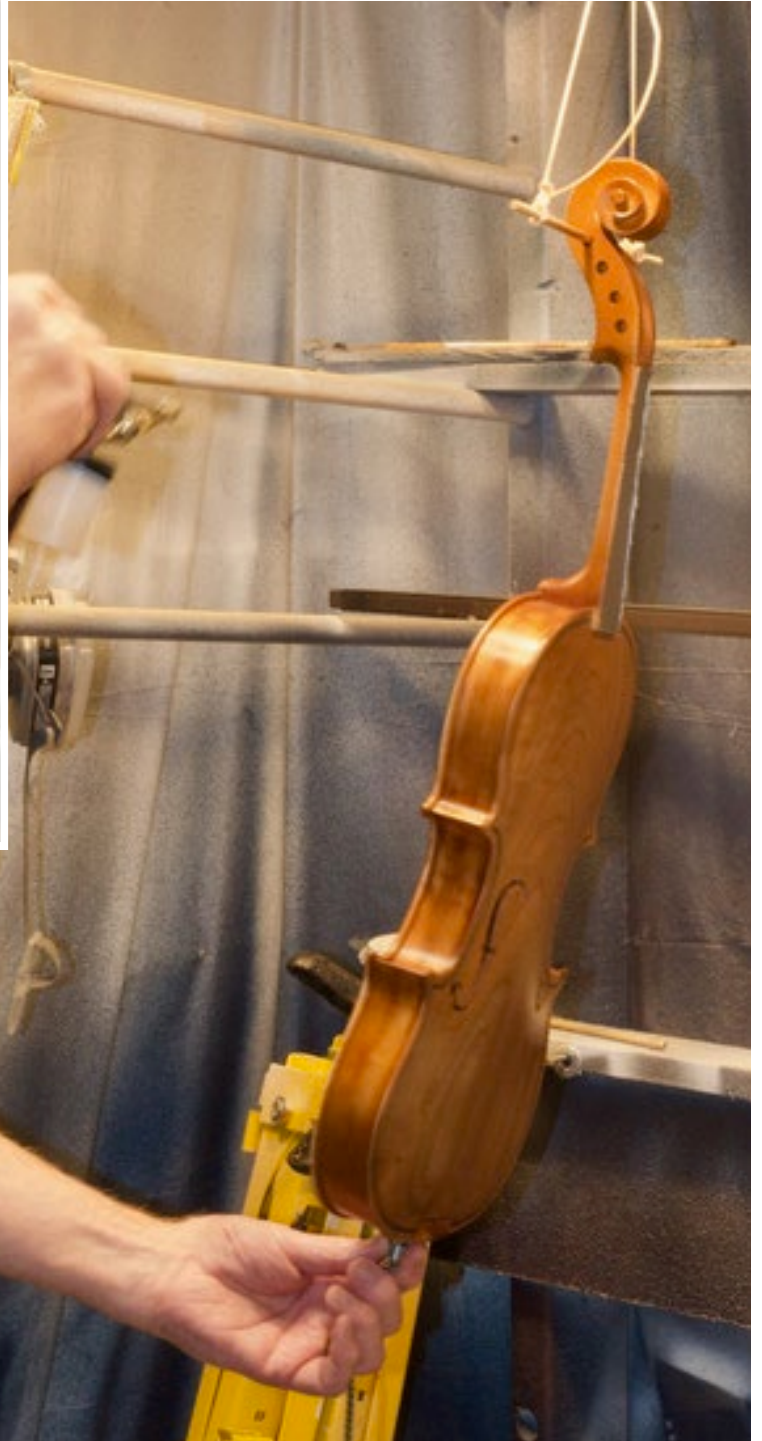
Purging (inlaid trim around the edge) is another challenge. I practiced on a scrap piece of wood before tackling the belly and back.

I removed and re-purged also. My next one will look better.





I gained an education in finishing from the Cello and this violin, and how to properly agonize over multiple coats of sealer, color, and finish laquer.



Link to the book! →

https://www.amazon.com/Violin-Making-Second-Revised-Expanded/dp/1565234359/ref=sr_1_1?dchild=1&keywords=bruce+ossman&qid=1609617065&sr=8-1



At this point I realized it was going to really get finished, and I began to think about a case for the violin. I drew up a sketch and began experimenting with 1/4" and 3/8" cherry, and some bending of it (I had to gather my rag-tag band of clamps all together).

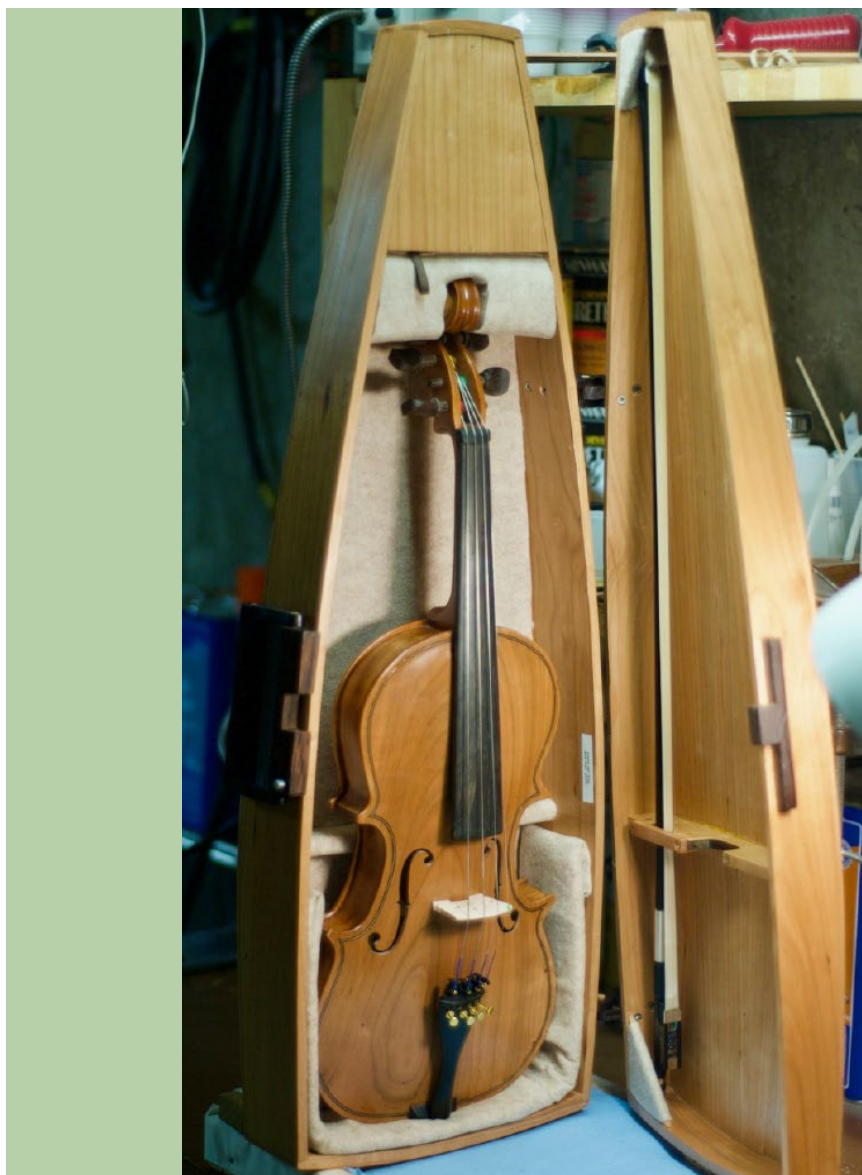


Want to see your
project highlighted?
Send photos and
descriptions to :
[newsletter@westmich-
iganwoodworkers.org](mailto:newsletter@westmichiganwoodworkers.org)

The finished project was played by my eldest son last night and he deemed it worthy, and “better than those cheap chinese violins”. I’ll take the compliment.

I think I see more violins in my future.

Thanks for the wonderful project, photos, and description, Mark! I hope we get to see this in person someday soon.



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>

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