

# SOUTH BAY WOODWORKERS' NEWS

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## President's Column

By Jay Perrine



The BIG EVENT around here (here meaning my house with my daughter and son-in-law) was painting the EXTERIOR of the house over the Labor Day Week-end.

Just an historic note since construction is included in SBWW topics - the Labor Day week-end 19 years ago was when I tore open my kitchen and did a total remodel (outer walls remained the same but inner walls, doors and windows were changed). I made all new cabinets and installed the counter-top.



To paint we used an 'airless' sprayer which is a motor driving a piston that forces the paint out the hose through the spray gun nozzle. Not similar to tools we use on the workbench, but smaller scale to the concrete pumper used to pump concrete through a 4" hose. It looks like what firefighters use except more rigid when empty.

Preparing for spraying involves taping thin, namely 0.31 mil plastic sheeting over windows, doors, bushes, and the seventy 3" diameter 'vents' in my eaves that the inspector demanded when the roof was replaced 4 years ago. The plastic sheeting is so thin one thinks it can't possibly hold back paint being forced out of a spray gun, but it does.

Those vents needed something to cover them (spraying paint on them could have affected the air flow) so we decided to use blue tape - somehow. I discovered online a blue tape available in 3" width (\$13) from Home Depot. We discussed using an X-acto knife to cut - but just cut while on the roll and hope to get two or three circles. Driving the two blocks back from Home Depot I conceived of a JIG. Josh had brought a shop-vac hose connector the correct diameter. Using it I made a cardboard template and cut SEVERAL holes. Then I just unrolled the tape over the holes and cut out multiple circles of blue tape.

## August Meeting in Review

### Bob Konigsberg - Wooden Drums



Danielle transported them on her finger tips out to Joshua who installed them over the vent holes.

Applying my woodworking process thinking, having made jigs and fixtures, I came up with a solution that allowed me to keep up with Josh's installation speed.

### Meeting Tuesday September 24 7pm

Group topics to share for the evening "Jigs" and "Go-to" finishes. Please bring something to share around these topics. If you need to use the screen to share bring a computer & a connector.

### Meeting Location

Saratoga Federated Church  
Postal Annex Building  
14376 Saratoga Ave.  
Saratoga, CA

### Map and directions:

<https://www.southbaywoodworkers.org/>



The drums are a kind of bongo drum, in that there are two major tone areas centered in each of the curved ends, but offer more variation than that, sound-wise. The overall pitch and sound quality is determined by the kind of woods that the body is made of; lighter woods like redwood and pine produce a lower pitch than high density woods like oak and maple. Most of the building process is highly regimented, using tight tolerances and jigs & fixtures to produce a consistent product.





The “process” in developing the product started with an experiment based on a request “Can you do something different with a ‘Cajon’ so that you don’t have to bend over. This led to an initial experiment to build a drum out of scrap wood (not spending any money), which then led to a series of experiments building over half a dozen different styles/ sizes/shapes, and taking them around to different musical gatherings and asking people to play them and make comments.



## August Show n' Tell

### Eugene Gulko - Drawing a Shallow Arc of a Large Radius

In some applications, we need to trace a shallow arc of radius so large that obvious methods to do so are not feasible. For example, guitar templates sometimes call for arcs of radius of up to 50'. Here is a method to trace such arcs using reasonably sized components.

Mark and drive a couple of small nails at points A and B that define the endpoints of the desired arc. Compute the location of the midpoint of the arc spanned by A and B. Calculators are readily available online. For those mathematically inclined, if the half the distance between A and B is  $l$ , and the radius of the arc is  $r$ , the height of the arc  $h$  is given as

$$h = r - \sqrt{r^2 - l^2}.$$



Take two straight edges no shorter than the distance from A to B. Form an angle with the vertex C and the sides passing through A and B as shown. Fix the straight edges rigidly together so that

the angle does not change through the rest of the process. (For illustration, I used two rulers spliced with double sided tape. In production, a more solid joint is required.)



Drag the vertex of the angle from A to B while making sure that the sides of the angle bear against the two nails. The vertex will follow an arc of radius  $r$ .



## 2024 Calendar/Programs

Any additions or changes please contact  
**Tracie Johnson**

August 27	Bob Konigsberg Drum Building
September 24	Group sharing on jigs and go-to finishes
October 5	Fall Picnic 3:30pm Dave Burkett's home
October 22	
November 2	Allen Glesser - Celebration of Life Saratoga Federated Church 3 -5pm. Potluck at the Glesser home to follow.
November 26	
December	No Meeting - Enjoy the Holidays!

<b>2024 Officers</b>	
President	Jay Perrine perrinedazign@gmail.com
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Jay painted the front Gray



The back is Tuscan Gold



Son-in-law Josh



Josh & his cousin Chris



Chris, Jay and Danielle