

SOUTH BAY WOODWORKERS' NEWS

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September 2015

President's Column

By Fred Sotcher



I find that a lot of people use CA glue, otherwise known as cyanoacrylate or super glue. I use it a lot myself as a quick and easy repair. Due to its wide use I looked it up on the internet to see what I might learn.

The glue was first sold as Eastman 910 in the late 50's. I became aware of it as a means of bonding accelerometers to test items during vibration and shock tests. While CA glue is in common use they do require some care and knowledge for effective use.

CA Glues have a short shelf life of less than one year if not opened. Once opened their shelf life is a few months. The time can be extended if kept in a refrigerator or unlimited if kept in a freezer. Always allow them to come to room temperature before using. For most of us it's best to purchase CA glues in small quantities.

CA glue is an acrylic resin that hardens in the presence of water or just moisture in the air. If the glue is used in large amounts the moisture will cause a thin skin to form over the slow the reaction time. As we are all aware CA glue bonds very quickly to the skin. Acetone (finger nail polish remover) can be used to dissolve it.

It is sold in thin, medium, thick viscosity as well as a jelly. The thinner it is the faster it sets.

If you are in a rush, as I normally am you can mist it with an accelerator to speed up the setting time. You should avoid applying the accelerator to a large quantity of glue as it can cause "blooming" where a white powdery residue forms. Best to wipe off the surface glue before applying the accelerator.

After applying CA glue avoid standing over the work and the puff of vapors that occurs.

If your project contains glass, the CA glue is a poor choice. Its strength will initially be strong but will degrade dramatically over time.

To keep the screw-on tips clean, fill a small jar halfway with acetone and store your old tips in it and just fish one out when you need it.

CA glue is very useful for filling small voids by mixing in a bit of very fine sawdust. It also can be used as a finish on small pieces.

Next Meeting
Tuesday
September 22
By
Ron Gerard &
Mike Wirth
At
The Saratoga
Federated Church
at 7:00 pm

Hope some of that is useful.

Look forward to seeing you at the church. Mike Wirth will be updating us on using the new Fine Woodworking DVD that we purchased, using Google Images and how we can improve our email discussions.

See you then,

Fred

This Month's Program:

Obtaining information from Fine Woodworking magazine's index CD and construction details for a small table.

Minutes July 28, 2015

Guests

There were no guests this month.

General Announcements

Dennis Yamamoto offered a mobile base for a table saw. He can be reached at (650) 305-9800 if you are interested.

Approximately 10,000 board feet of hardwood is available in Oakland. If you are interested, send an email to Robert avian@hotmail.com containing your phone number and he will call you.

Main Meeting

Fred Sotcher described the making of a queen sized bed for his granddaughter patterned after a Thomas Moser design.

His first step is to create a drawing using Sketch-up and uses the drawing to make prototype parts. He demonstrated a number of fixtures that were used to create the curved feet that support the bed frame and curved headboard.



The headboard substrate is made of four layers of wiggle board overlaid with maple door skins that were covered with the outside maple veneer then pressed in a vacuum bag. The veneer split and curled up the first two times the veneer was applied and had to be removed. Two sheets of glue made in

England were used on the third attempt that was activated by heat of an iron. Joints opened and cracks appeared in the veneer this time. The glue and ruined veneer were removed before he tried again. Fred used paperbacked veneer obtained from MacBeath Hardwoods and pro glue on the fourth successful attempt. Fred noted that the expensive vacuum bag was almost ruined because of openings in the back of the fixture. The bag sucked up into these openings creating bubbles in the bag.

When sanding the headboard trim, he burned through the veneer in one spot. He used earth tone colors and pigments to create a grain pattern to blend with the surrounding area.



He's had a negative opinion of water based polyurethane until he got a tip from the author of the book on Sketch-

up. He recommended using General Finish's product. Fred found in his testing that it performed very well and therefore used it to finish the bed frame. He brushed on four coats dry sanding between coats.

Show & Tell

Tom Kenyon entered an on-line forum's challenge that required making a miniature segmented bowl that fits into a two inch cube. He made three



examples. One is made of maple with 1/16 black veneer dividers. The second is made from maple and black veneer with no dividers. The veneer is 1/42 inches thick. The third bowl is made of canary wood with 1/16 black veneer. The 1/16 veneer is actually about .070 thick and is obtained from Constantine's. All bowls are finished with lacquer.

Ed Vincent demonstrated a three battery flashlight. He described how he made the black walnut cylinder with a wall thickness of .040. It's designed to provide light in a deep hole.



Syd Dunton created a wall hanging he calls "redwood". It is part of a future series drawing inspiration from nature. It depicts the bark of a redwood tree. It started as a 1X6 redwood board sawn into 1/16" strips. The strips were cut into curvy shapes that were slightly smaller for each successive layer to mimic bark.





South Bay Woodworkers Association

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PROGRAM COMMITTEE		OFFICERS	
September 22	Ron Gerard Mike Wirth	President	Fred Sotcher
October 27	Ken Horner Linda Horner Don McKell	Vice-President	Ken Horner
November 24	Rich Winslow Rex Osborn Larry Petulla	Secretary	Ron Gerard
December	Officers	Treasurer	Syd Dunton
		Newsletter	Larry Schwarcz
		Photographer	Fred Sotcher
		Librarian	Mike Wirth
		Web Master	Tom Kenyon

If you can't do the program for your month, call Ken.

October Program Committee
Please take the ice chest home after the meeting
Refreshment Suggestions
Variety of Soft Drinks (48)
Water, Regular, Diet, Caffeine-Free, Juices
Varied Snacks: Donuts, Cookies, Chips, Nuts