

GOLD COUNTRY WOODCRAFTERS

Newsletter July 2022

Vol 93

GCW Newsletter Brief:

The attendance for the July meeting included 20 members. The original plan for this meeting was to have a presentation by “Arts Liquid Flow” on how they use resin processes to create unique wood art. “Arts Liquid Flow” was not able to present due to illness. Gail Cone filled in and gave an overview presentation on the use of resin in woodworking which included a short video on making a river cutting board. The Show-N-Tell portion of the meeting had 8 members presenting their latest craftsmanship. There are 7 project contributions submitted to this newsletter. There is one member message posting.

- Announcements and News section: Delinquent dues, Badge Etiquette and Meeting Topics.

President's Message:



Dear fellow GCW members.

I hope all are avoiding the latest Covid flare up (or survived it). The July meeting attendees were treated to a very interesting presentation by Gail Cone on the use of colored resin mixes in wood projects. Gail's extensive experience in using colored resins was evident in the very beautiful examples of his work. Thanks Gail. Steven Cabrol's absence at the door was covered by Harvey Myers, my thanks to him as well as the rest of the committee and members who make things happen for a pleasant, interesting and educational evening. Rich Schwerin had a number of useful items on the raffle table thanks to his shopping skills and many of our members sharing no longer used tools or materials. Thank you all. Our August 9th presenter will be, none other than, Ed Woodards. Ed is a long time member and will be showing some of his past work and describing the fine art of Intarsia. I have only tried one Intarsia project, it is not as easy as it looks and am looking forward to hearing what Ed has to say. See you August 9th.

Happy turning, carving, sawing and drilling.

Basil Borkert

GCW President



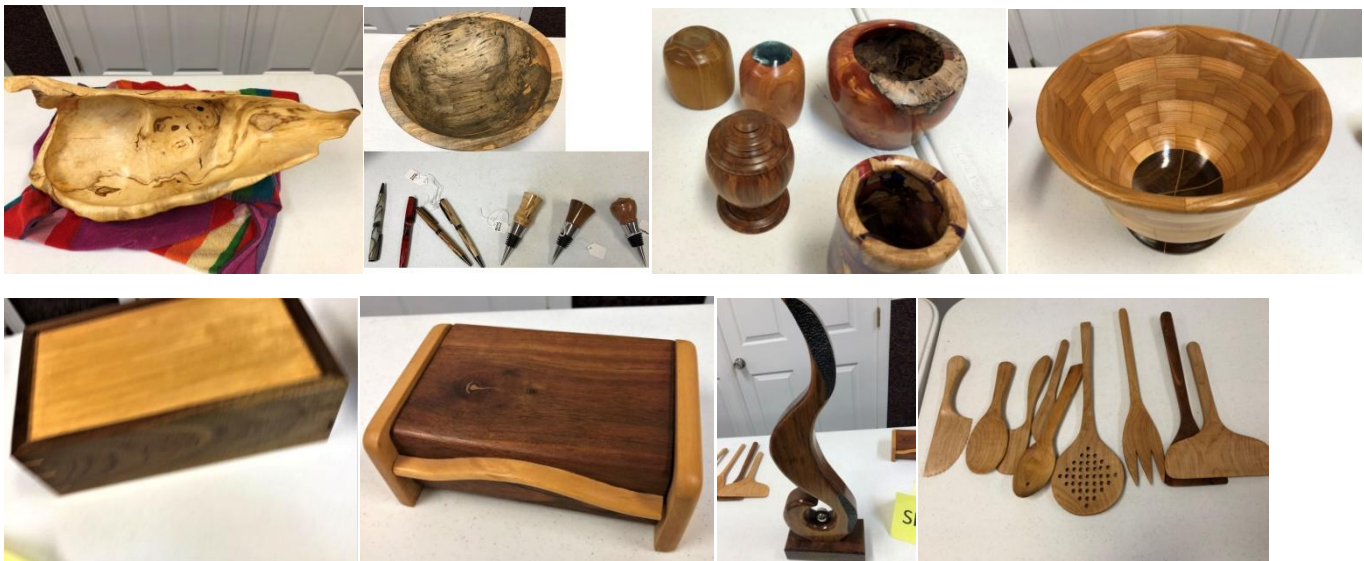
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July 2022 meeting Show-N-Tell Summary:

For July we had 8 members showing their latest woodworking craftsmanship. Mark Butzler managed the Show-N-Tell activity. The members showing their work were, in order, **Micky Dupper ***: Large Mulberry Carving, **Jim Gott ***: Pens - Stoppers – Turned Bowl, **Gail Cone ***: 3 turned Ring Boxes and 2 Resin-Wood turnings, **Mark Butzler ***: Large Scrap Segment Bowl Turning, **Paul Velk**: Walnut Puzzle Box, **Roy Carter ***: Band Saw Box, **Don Lawson ***: Walnut Wood Art, and **Harvey Myers**: Wooden Kitchen Utensils. The names with an * contributed to the newsletter. Thumbnail pictures are shown in order of presentation.



Resin Casting Presentation, Gail Cone:

At the July meeting I gave a presentation on some of the basics of using resin in our woodworking and share some of what I have learned using resin. My presentation came about because the planned presentation by *Arts Liquid Flow* had to be canceled due to illness. *Arts Liquid Flow* is in the business of producing unique wood art products incorporating resin. Their web page is: [Arts Liquid Flow](https://www.artsliquidflow.com/). Just scanning their site could spawn tons of woodworking project ideas for our members interested in experimenting with resins.

Some woodworkers could wonder why we are even talking about using resin in woodworking. Well there was a time, not so long ago, when we were saying that using CNC or Laser Cutting was not really woodworking. Now we know that they are really just another set of tools to help us expand the scope and creativity in woodworking. Now with resins we are able to expand and incorporate new unlimited art and functionality into our work.

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So now the question is where does one get information to get started? I suggested the best place is the internet and where else but YouTube. There are countless YouTube videos available covering resin usage in woodworking projects. Many examples include: table top finishes, making river tables, cutting boards, turned vases, pen blanks, ring blanks, stoppers, encasing keepsakes, etc. Oh, and don't forget filling and featuring voids in the wood.

During the presentation I showed a 15 minute video that gave some basics without being an advertisement or overdoing technical details. This video involved the making of resin river cutting boards. Video link: [Epoxy River Cutting Board](#). In this video the presenter made a casting form and created 3 cutting boards at one time.

After the video I showed a river cutting board I made a few months back. For my casting form I used some plywood for the base and framed using some pine 2x2s. I used packaging tape to cover all the wood then used window sealant on all the seams. I then sprayed the form with dry silicon spray. I had no sticking and no resin leaks!

This presentation was not meant to be a comprehensive presentation on resin in woodworking. So after the video I provided some basic information to give the members an idea of resin characteristics and what is involved in using resins. The members then asked numerous questions which, to me, indicated a high interest level.

How did I get started? In the beginning I started using resin to fill voids and/or stabilize wood for my turnings. At first I used epoxy glue, colored using artist's acrylic paint, then good old fiberglass resin colored to fill larger voids. Then I got into using resin to stabilize punky wood used for making stoppers/etc. Now for a couple of years I have been using casting epoxy resins in turnings and cutting boards.

Notes and facts:

General Resin application classes: Stabilizing resin, Shallow pour casting resin (Up to 2" deep), and Deep pour casting resin (up to 4" deep).

Stabilizing resins: a thin resin injected using a vacuum process and oven curing. Presentation by Gail Cone ([Stabilizing Wood](#)) 2019

Casting Resins: 2 part Epoxy Resin cures using exothermic reaction. Mixing ratio 1:2 or 1:1 depending on brand. Depending on brand mixing volumes are measured by volume or weight. Shallow pour resins typically do not require a pressure pot to remove bubbles. However precautions must be taken to reduce the formation of bubbles. Deep pour resin castings are best done with the aid of a pressure pot (to collapse air bubbles). I have a 2.5 gallon pot (Harbor Freight) and 5 gallon pot (California Air from Woodcraft Supply). General working time (depending on brand and ambient room temp) for shallow pour resin is typically 30min-1 hour, for deep pour can be 4-6 hours. Curing time (depending brand and ambient temp.) for shallow pour resin is typically 24 hours, for deep pour can be 72 hours or more. Note, resins continue to cure (increase hardness) for some time depending on type and ambient temperatures.

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Coloring Resins: Endless colors are available for all resins and are available as powders or liquids. Mica powders are very fine powders and are used in many commercial products. Liquids colorants can be Opaque or translucent, the most popular brand is Aluminate. I get most of my coloring supplies through Amazon. To help maintain desired color separation when attempting to feature color contrasts, wait until the exothermic action has started to reduce the viscosity before pouring the contrasting colors into the project. I use an infrared thermometer to test the temperature to gauge when to pour contrasting resins (typically around 90deg.). I find all my colorants on, what else but, Amazon.

Cleanup: Some thin stabilizing resins use soap and water, epoxies use alcohol (denatured or isopropyl).

Using hot glue in casting forms: watch out - exothermic heat may melt the hot glue and cause resin leaks which you will chase FOREVER!

Tools & Supplies: Depending on your project you may need some of the following items: Vacuum chamber, Pressure pot, Infrared Thermometer Gun, measuring cups, hot glue, mixing utensils, and various casting forms (purchased, fabricated, plastic buckets, plastic food containers, etc), paper towels, and alcohol for clean up.

Resin brands I use: Stabilizing resin (Cactus Juice), Shallow pour epoxy resin (PUPUO), Deep pour epoxy resin (UNICONE ART). Both obtained through Amazon, Roughly about \$50 per .5gal. All available on Amazon.

If there are any questions or comments please feel free to send me an email. GPCWoodwk@gmail.com

Gail Cone

Announcements and News:

Delinquent dues: We still have some members attending meetings who have yet to pay their dues. If you are unsure of your dues status please drop by the treasurer's table at a meeting. Dues for 2022 are \$25.

Reminder --- Badges "to the bucket": Some members are still trying to put their badges back into the badge box at the end of meeting. Some of us older members have regressed, including me. Please be sure to pick up your badge from the badge box at the door and wear it prominently. **At the end of the meeting be sure to drop your badge in the "badge bucket" not the badge box.** If by chance you take your badge home, please try to bring it to the next meeting.

Upcoming meeting topics: August: Member Ed Woodards will present working in Intarsia, September: TBD, October: Fall project challenge (bird houses), November: Round table discussions, December: TBD.

Message Corner:

Gail Cone: I am looking for a used built-in oven. My intention is to use it for drying wood to be used in my turnings. So if you have one or know of someone redoing their kitchen please send me a note.

GPCWoodwk@gmail.com Thanks: *Gail Cone*

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July Project Submissions (7 Members):

Micky Dupper



This piece is my first carving using the Arbortech Mini Carver with the Mini Pro carbide attachment. The Arbortech representative did a great job showing their products at the wood club meeting in May. As a result I became interested in getting the mini carver. After seeing Gail Brook's fine collection of art at the Eldorado Art Association tour, with many carved using that tool and her recommendation, I bought the set. I'm looking forward to lot's more practice to hopefully get any good. The wood is a piece of Mulberry that was covered in fungi and debris. I'm guessing it was cut down about 2

years ago. The chunk of wood was 28 " long X 12" wide X 10 " high. Many small branches were coming from the center. It was really fun "operating" on the spalted poor old thing and finding what was inside. It had many colors and grain patterns. The carver worked great! I finished it with 2 coats brushed on with Bullseye Shellac clear. See you all in August.

Micky



Roy Carter



By Micky Dupper: Roy's show and tell shown at the July meeting is a bandsaw box he made, not when I was in kindergarten, but rather more like in the early 80's. The wood is Walnut and Alder. The size is about 6 3/4 " wide, 4 1/2" deep and 2 1/2" tall. It is finished with Watco.



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Jim Gott



The above salad bowl of spalted Maple and measures 13 1/2 by 4 1/4. It and is finished with mineral oil and beeswax. For the ballpoint pens; two are acrylic; one is Spalted Maple, and one Zebra wood. For the three bottle stoppers: two are Madrone and one is Masur Birch from Finland. The pens and bottle stoppers were turned for a friend's church fundraiser.



Jim

Gail Cone



The pieces I showed at the July meeting included a turned Oak w/Mistletoe Resin Casting Bowl and 3 turned ring boxes. The Bowl is roughly 5.5"D x 3.5H. The resin coloring for the bowl included gold and tapestry red pearl mica powders. The bowl was cast in a plastic food



container using deep pour resin and put in a pressure pot for 3 days to cure at 48psi. This process took a truly piece of junk wood and turned it into wood art. The piece is sanded with grits 80 through 1500 then polished using a number of polishing products until I was generally happy with it.....

To refine my turning skills I have been turning some small lidded boxes. They range from 3.5" to 4.5" tall and 2.5" in diameter. The challenge is to get a snug but functional lid fit. The box on the left is Red Gum (a type of eucalyptus) and the middle one is Malberry. I lost track of what the wood is for the other. The lid on the Red Gum has a resin medallion that was left over from a past project. There's always resin left over from resin projects and I always save the cured pieces for later use. The Malberry lid was textured using a texturing tool and embellished using Gold Guilders Paste Wax. All were sanded to 800 and then buffed using Yorkshire Grit Abrasive Paste and Micofine Abrasive Paste. I then apply Hut gloss friction wax to each box.

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Mark Butzler



Like all of us I have a lot of scrap wood around the shop. This bowl that I showed at the July meeting is the result of using that scrap to make something for my wife and help de-clutter the shop. It's made from small 1/2" pieces of cherry and a leftover piece of walnut. It turned out as a pretty good way to use up some wood that otherwise would have made the trash barrel.

Happy woodworking to all!

Mark



Done Lawson



The sculpture piece I showed at the July meeting is carved from a Black Walnut board. It was designed freehand on the wood before cutting on a bandsaw. I sanded the edges on a reciprocating drum sander then routed all sharp edges. The texturing was done with my Dremel. I then blackened the texture area with acrylic paint and finished it with four coats of Deft gloss lacquer. The large steel ball bearing rests in a depression I carved.

Don



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Paul Velk



This box I showed at the July meeting is made using Walnut with a Pine top panel. The finish is shellac and the interior has black flocking. Centrifugal force is used to release the top. Spinning the box forces brass rods mounted in the base in opposing directions leaving the catches in the center of the top free, therefore allowing the top to be removed. The pictures are from early in the box development as the box has been presented to a birthday girl.

Paul



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Businesses that support GCW: Be sure to stop by Woodcraft Supply Sacramento, Pro Builder Placerville, The Paint Spot*, or the Rockler Woodworking* store in Rocklin. Please let them know how much Gold Country Woodcrafters appreciates their support. * ***Businesses offering GCW member discounts.***

Membership Dues: Our annual GCW club dues for 2022 are \$25 and are due January of each year. Dues for new members joining throughout the year are prorated based on the month they join. You can pay the dues at any club meeting or send a check to our treasurer. Make the check payable to Gold Country Woodcrafters. Send to: Steve Cabrol 3000 Builders Place, Rescue, CA. 95672. ***Please note on the envelope ATT: Gold Country Woodcrafters.***

Notice to members: If your contact information has changed since joining please let the club know. Just send any changes you may have to the email address used to send out the newsletter. Your cooperation is much appreciated.

Gold Country Woodcrafters Meeting Place: GCW meetings are held the second Tuesday of each month unless otherwise notified and are at the Park Community Church meeting hall, 3901 Wild Chaparral Dr. Shingle Springs, Ca. exit 37 off highway 50. A map is provided on the home page of the GCW website.

Regards and happy woodcrafting.

Gail Cone

GCW Newsletter editor



I would like to acknowledge my wife, Karen, for taking the time and effort to proof read the newsletter each and every month. Believe me it makes a real difference and makes me look good.

GCW Web site: goldcountrywoodcrafters.com

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