



THE NEXT MEETING **May 19** AT  
**THE TABLE TENNIS CLUB**  
 1407 E HARRY

VOLUME 17

ISSUE 5

**Social Gathering @ 6:30 PM**  
**Meeting Starts @ 7:00 PM**

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**Subject Of The Upcoming Meeting**

The mechanics of vacuum clamping, methods of generating vacuum, and the pros and cons of using this method for securing parts with Gary Vreeland. There will be a demonstration of homemade vacuum clamps, and an explanation of where to get commercial clamps.

**From The President's Corner –**

As I've indicated before our greatest asset is our members and their diversity of experience, skills and knowledge. This last week I had the opportunity to become better acquainted with two of our newer members Clark Shultz and Tom Foster. Both have volunteered to assist with our Community Service project. Tom is somewhat of a beginning woodworker, but Clark has several years of teaching experience and working in woodworking shops. Both have a great deal to offer. I encourage each of you to seek out members that you are not well acquainted with, and learn more about their

backgrounds. Tom has asked for assistance in setting up his shop. Let's give him a hand.

The Veneering Seminar held on Friday May 2 and Saturday May 3 was quite interesting and informative. There were 16 people in attendance which I thought was a pretty good turnout. I think everyone enjoyed the session taught by Bill Hull. Arlen Freund became a member coincident with attending the seminar. A fellow that Mike Hutton works with Brett Cooley also attended, and indicated he wants to join the Guild. I was extremely pleased with the seminar and all the many aspects of veneering. If you weren't able to attend you may want to talk with some of our members who were in attendance.

July is coming up very soon so if you haven't decided on a 2X4 project, you may want to get started designing and constructing a piece for this competition.

It looks like a tour of three members shops will take place in late May. Vic Bender, Malcolm Fields and Tim Dreiling have volunteered to hold their shops open for interested members to visit. Hopefully this activity will take place on a Saturday, possibly May 31. Bill Tumbleson is setting up the tour, and we should have more information at our Monday May 19 meeting. Just a reminder this months meeting will be held on the third Monday (May 19) since Memorial Day is observed on the fourth Monday (May 26). Jot this special date on your calendar.

Be sure to bring items you have made recently for show and tell. We had several very nice pieces at our April meeting, and I hope we can continue to expand the show and tell section of our meeting.

Bill DeGarmo, President

## Sunflower WWG meeting minutes April 2008

**Guests:** Warren Kennedy

**Old Business:** The May meeting will be held on the 19<sup>th</sup>, the 3<sup>rd</sup> Monday this month.

Refreshments should be held to \$25-30 per month.

**Show and Tell:** Larry Roth showed a walnut slab bench that was slated to be firewood that he salvaged and made into a really nice bench with natural edges.

Kenny Hill showed a couple of bird feeders made from cedar. Talk about a nice bird feeder gazebo!

Bill Tumbleson was so impressed with last month's program; we purchased supplies from Stockroom Supply and made his own flat sander for approximately \$350 using Baltic birch plywood. He also showed a sandpaper-cutting jig for making nice strips for his sanding block.

Galen Cassidy showed his plywood edging bit set that he discovered makes a self-locating panel glue up a second use. He also showed his knockdown router table with his quietest running Freud router that he loves.

Lou Ortega showed a cedar box made with finger joints that he made a second jig and remembered that he already had one!

Mike Hutton showed a walnut cribbage board with holly inlay stringing. He soaked the holly in hot water to bend around some tight curves.

He made a radius-cutting tool for making the recess slot. Finish was shellac.

John Reynolds showed a 2x4 stool that he uses in a carpentry training class to teach joinery and load transfer principles.

Chuck Schultz made some turned Christmas tree ornaments using spindle-turning tools for his grandkids to paint as a craft project with granddad.

**Program:** Dan Hagenbuch showed us how to turn pens and pencils. Dan is a South High School automotive teacher and he enjoys turning pens to give to friends and family.

He said that every pen/pencil kit almost always requires different drills and bushings for the pen tubes. When purchasing a pen kit, make sure that you have all of the various tools and read the assembly directions as you proceed. After making typically a 7mm hole thru the pen material, you need to square the ends to the hole. Rough up the outside of the tube and glue the tube into the pen body, allow to dry before attempting to turn. Use a piloted cutter to cleanout any remaining glue inside of the tube and do a final squaring of the body. Mount the pen parts on a mandrel in the lathe with the supplied bushings between the parts. The body will be turned down to the bushing OD's and that is what sets the final diameters at the joints for a smooth usable pen.

While the body is still on the mandrel, he likes to use foam-sanding blocks that he gets at Harbor Freight, made by 3M to conform to the shape of the pen. He final sands to 400 grit before burnishing the turning with shavings that he just made from that body. He uses shellac based turning finish that he rubs on while the pen is turning. A pen press is almost mandatory to assemble the pen, as things are typically press fitted together. Dan researched lots of mini-lathes and found that his Jet adjustable speed lathe is great for just goofing off and turning pens that he finds relaxing and fun.

## VENEERING SEMINAR

There were 16 people in attendance at the May 2 and May 3 Veneering Seminar presented by Bill Hull. He presented so many interesting things it is difficult to provide a summary that would do his presentation justice.

He talked about selecting a log for the purpose of providing veneering material so it has the grain and texture he is seeking for various projects. He mentioned common ways veneering is cut from the log. One method is to have a stationary knife and to pass the log across the knife and a second he mentioned is to have a guillotine knife pivoted on one end which cuts across the log to provide the veneer. In the two different methods the grain will be presented differently. He went deeply into the types of figure he is seeking depending on the project at hand. Handling and storage is very important as the veneer can curl, making it unsuitable for use. He uses flat shelving that is at least as wide as the veneering being stored and places a flat piece (plywood or solid material) on top of the stack to keep it perfectly flat. Most of the veneering used is cut to 1/48" (0.0208) thickness.

He presented ways of cutting veneer which included a veneer saw, a box knife with replaceable blades, etc. The veneering saw does not have any set to the teeth and a bevel is ground onto the edges of the teeth away from the handle. He emphasized the use of a straight edge to control the accuracy of the veneering cut. He uses a thick (1/8") aluminum scale (straightedge) which has sandpaper glued to the back to prevent it from moving while making a cut. A block with 120 grit sandpaper is used to sand the cut edges perfectly smooth. When constructing decorative veneer matching several small pieces of veneer are used. To hold the pattern in place he uses 3M 2090 blue masking tape. For adhering the veneer to the substrate he mostly uses PVA (polyvinyl acetate) glue, but also uses a urea resin (2 part) glue for some of his lay ups. For repair work he uses hide glue. One of the substrate materials often used is TRU Pan which looks somewhat like MDF, but it is about one-half the weight. Various other

substrates are used based on the application. Included is 1/4" standard hardboard, baltic birch plywood, MDF and sometimes solid wood. For curved lay-ups he uses 1/8" bending birch plywood, bending luan and italian bending poplar. Of course forms must be built when curved panel work is to be done.

The preferred method of pressing veneering pieces to a substrate is a vacuum system with a 30 mil vinyl bag, utilizing a vacuum pump. Mentioned was manual pressing which is useful in making small pieces. Before the veneer lay-up is pressed he applies an extremely thin white veneering tape wetting the sticky side. This tape helps hold the lay-up in place while the piece is being pressed, and actually helps bring the pattern surfaces together more tightly as the tape dries and shrinks slightly. Of course the blue masking tape is removed before pressing. To trim the veneer to the exact size of the substrate, once the curing is completed, he uses a small trim router.

His layouts included book matching, slip matching, random matching, running match, balance matching, diamond matching and parquet matching to name a few. Bill got briefly into marqetry and parquetry lay-ups. He created intricate lay-ups such as starbursts, cut ins, outline material (black), etc. His handout included recommended reading, sources of supply, math and veneering glossary.

One of the members noted at about 2:45 p.m. on Saturday that all those in attendance were sitting on the edge of their seats, and boredom had not set in at all. Everyone in attendance learned a lot, and with this instruction they should be prepared to do simple veneering layups.



Bill Hull, Instructor



Attendees



The opposite side of the previous panel. Note how there is a slight mismatch from one side to the other. This is due to the thickness of the veneer sheets and the growth of the tree.



Slip match



Grain match from successive sheets flipped so the pattern continues exactly from one to the other



Book match



Insert and border taped together



An 8 sided sunburst. The difference in color is due to the light refracting differently from the surface of the cut veneer.

## 2X4 Challenge

In case you missed it in the earlier reports, the guild is sponsoring a contest for members to express your creativity within the limitations of a standard 2X4 that you can get from your neighborhood lumberyard or home center. Read the basic rules in the secretary's report, run down and get your 2X4 and start making sawdust.

The contest will be judged in July and there will be prizes offered.

This should be a fun contest.

If you need ideas, go to [www.lumberjocks.com](http://www.lumberjocks.com) and search their website for 2X4 you will find a link to the winners of a contest sponsored by that group.

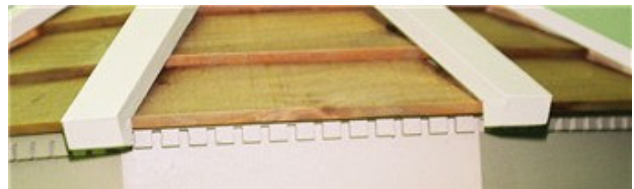
## April Meeting pictures



Dan Hagenbuch Turning pens



Kenny Hill's Large Bird feeder with detail of dentil below.





Mike Hutton's curve cutting inlay knife



Wendell Parks slab walnut bench



Toy basket painted



Kenny Hill's small bird Feeder



Painted toy tractors



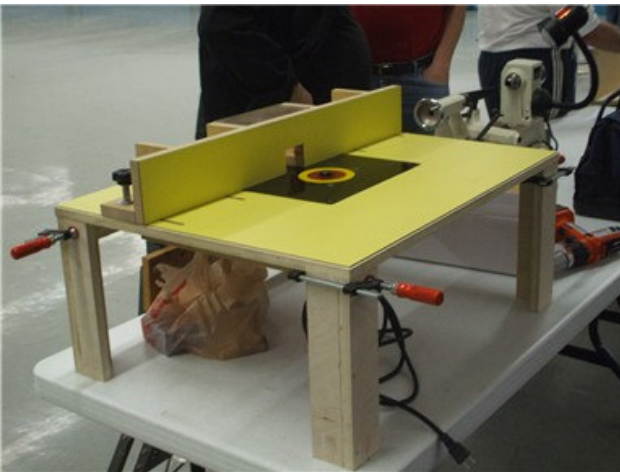
Painted toy cars



Turned Christmas tree ornaments by Clark Schultz



Bill Tumblesen's flat master



Galen Cassidy's portable router table

**Workshop Tours**  
**Please note dates and times**

Tim Dreiling  
The Wood Shop  
463 North Seneca  
Wichita  
**May 31, 2008**  
Hours 10:00 to 3:00

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Malcom Fields  
2725 W. 101st Street North  
Valley Center  
**May 24, 2008**  
Hours 10:00 to 1:00

Ray Smith  
9801 N. Meridian  
Valley Center  
**May 24, 2008**  
Hours 10:00 to 1:00

Ray Albert  
315 Spruce  
Halstead  
**May 24, 2008**  
Hours 10:00 to 1:00

Bill Tumbleson  
320 Wills Lane  
Halstead  
**May 24, 2008**  
Hours 10:00 to 1:00



**President**

Bill DeGarmo (316) 773-1912  
[billdegarmo@sbcglobal.net](mailto:billdegarmo@sbcglobal.net)

**Vice President**

Dan Carlyle (316) 794-8405  
[dcarlyle@ucuit.com](mailto:dcarlyle@ucuit.com)

**Secretary**

Mike Hutton (316) 744-3036  
[ictwoodworker@cox.net](mailto:ictwoodworker@cox.net)

**Treasurer**

Wendell Parks (316) 684-7508  
[parksmail@sbcglobal.net](mailto:parksmail@sbcglobal.net)

**Librarian**

Garry Dougherty (316)722-5539

**Toy Chairman**

Chuck Schumaker

**Membership Chairman**

Guy Waldo (316) 684-1138  
Bill Tumbleson (316) 835-2036

**Editor: The Knot Hole**

Jerry Keen (316) 722-2735  
[Jerry.keen@cox.net](mailto:Jerry.keen@cox.net)

**Sponsor Chairman**

Dennis Laird  
[dalaird@cox.net](mailto:dalaird@cox.net)

**Area Guilds and Clubs**

**South Kansas Wood-  
turners**

Royce Wallace, President  
601 Wetmore Drive  
Wichita, Kansas 67209-1322  
(316) 722-6749  
[wallburl@att.net](mailto:wallburl@att.net)

**Great Plains Woodcarvers**

Wichita Kansas Sue Clarke,  
Secretary 222 Hillside Drive  
Wichita, KS 67230-7115(316) 218-  
0761  
[sjclarke@juno.com](mailto:sjclarke@juno.com)

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811 Norman  
Wichita, KS 67212  
E-mail [jerry.keen@cox.net](mailto:jerry.keen@cox.net)



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811 Norman  
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