



# The DoveTale

March 2007

Woodworkers of SouthEast Texas

**Officers:**

President Steve Brady, 681-9701  
President elect Glen Kenny, 727-8092  
Secretary Richard Hicks, 982-5226  
Treasurer Howard Hartman, 835-0564

**Committees:**

Newsletter Richard Hicks, 982-5226  
Shows Dean Partridge, 722-7647  
Librarian Rob Emanuel, 729-9315  
Purchases Jerry Shivers, 794-2274  
Membership Richard Hicks, 982-5226  
Programs Rob Emanuel, 729-9315  
Web Master Rob Emanuel, 729-9315  
Projects Dean Partridge, 722-7647

Members:	52	Present:	20	Visitors:	2
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[Our Next Meeting will be Apr 23<sup>rd</sup>](#)

## [March 26<sup>th</sup> Meeting](#)

We held our March meeting at Acadian Hardwoods. Business items included:

- Howard Hartman - Balance is \$3,253.76
- Richard Hicks - Membership at 52 - 2 new members
- Web Site - Rob Emanuel reports he's going to redesign our website: [www.wwset.org](http://www.wwset.org)
- Toy Project: Glen Kenney has agreed to head our toy drive this year.
- Programs: New incentives for program presenters - contact Rob Emanuel
- Steve Brady will continue to handle our raffles.

## [Our Next Meetings](#)

Our next Saturday meeting will be at Glen Kenney's shop on April 21<sup>st</sup>. He will demonstrate his dust control and collection system. The meeting will start at 1PM and last for about 3 hours.

Directions to Glen's shop: From HWY 69 (between Beaumont and Port Arthur) turn East on Spurlock Road. Go two blocks and turn right on 31<sup>st</sup> street. Then go one block

and turn right on Vernon St. Glen's address is 3103 Vernon St. His phone is 727-8902.

Our next regular meeting will be Monday, April 23<sup>rd</sup> at Acadian Hardwoods in Rose City starting at 7PM. Lyman Frugia will present a program on turning various useful projects like tool handles, letter openers and bowls.

Be sure to bring a show & tell item and a chair. As usual, I'll be there early to take pictures of the show & tell items.

Lyman will present a hands on Saturday meeting on May 12<sup>th</sup> at Steve Brady's shop.

Directions to Steve's shop:

Go to Vidor and go North on HWY 105 for about 9 miles. Steve's house is on the left. The address, 6835 N. HWY 105, is painted on his mailbox. Turn left on the side road (county road 903) - Steve's shop is the barn in the back of his house.

## [Houston Woodworking Show](#)



Our club had a great booth this year! Our booth had a large variety of items that everyone seemed to like. A lot of people stopped and asked a lot of questions.



There seemed to be a lot of interest in finding a club that they could join to learn how to do some of the things they saw in our booth. But most of the folks were from the outlying areas of Houston. Our booth had



many scroll-sawn items that created a lot of interest in scroll sawing. Unfortunately, there were very few vendors selling scroll saw

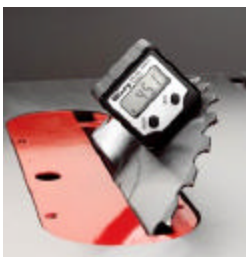
equipment and accessories.

## Shop Safety

Jody Cowart shared his experience making face frames using air clamps. He ended up closing the clamp while his finger was in the way. He smashed his finger and ended up losing his fingernail.

Howard Hartman showed us a picture frame he designed for a customer. The design his customer asked for called for some very delicate pieces that had to be routed. Howard had to organize the production steps to eliminate routing the small pieces. He advises that you think through every step with a eye for safety before you start the project.

## Tool Reviews



Richard Hicks and Steve Brady both brought one of the new Wixey electronic angle gauges. It can be used to measure and set the angle on any power tool. You set the tool on

the saw table as a reference, zero it and then clamp it to your saw blade. The displayed angle is accurate to 0.01 degrees. It's fast and very accurate.

## Show & Tells



Lyman Frugia brought a laminated peppermill. He used a new style mechanism with an adjustable grind.



Howard Hartman brought a custom designed picture frame made out of German Beech.



Glen Kenney brought the Oneida cyclone from his dust collection system. It separated the large pieces from the fine dust.



Sam Toby made his moveable joint dinosaur out of cherry. It was a big hit in our booth in the woodworking show.



Rob Emanuel just finished his first intarsia project – a raccoon in a tree. Great fit and finish.



Dean Partridge used some wormy pine from Steve Brady's bandsaw mill scrap pile to build this library table.

Jody Cowart won the door prize - \$25 since he didn't have a show & tell.

## Program

Glen Kenney presented a program on dust control and collection.

Using a dust collector will improve the cleanliness of your shop and your lungs. Just about everything we do, with the exception of finishing, generates some dust. Some of it is big chunks and chips from a planer or jointer, large pieces of dust from a saw or fine dust from a sander. But even the machines that generate larger pieces, also generate very fine dust particles. These very small particles cause serious health problems. Inhalable dust is defined as 100 micron or smaller. Air born dust is 30 microns or less. As a point of reference, a human hair is about 100 microns in diameter. You can sweep up large chips and particles but small particles take special collection and filtering systems.

Shop vacs have very high suction but low air flow rates. This makes them ideal for picking up larger pieces and chips. However, it doesn't move enough air to effectively collect the fine dust particles. On the other hand, dust collection systems generate a lot of air flow, but at a low vacuum rate. So, use your shop vac to collect the big stuff, but a dust collection system to get rid of the small dust particles.

Dust collection systems come in several flavors. In single stage systems, the collection piping empties directly into the blower impeller, then in to a collection bag. A two-stage system has a 'wide spot' in the collection piping (like a trashcan separator) so that large items won't make it to the impeller of the blower. The third type incorporates a cyclone separator in the collection piping. The cyclone spins the air and throws the particles to the wall of the separator and they drop into the collection bag. Theoretically, the blower impeller only sees

'clean air' so it can be made lighter and more efficient. It also allows the use of high efficiency filtration bags that last longer between cleaning.

Single stage systems are cheaper and easier to take care of. The cyclones are more expensive but they are more efficient. They are also much taller and take a larger motor and blower to work properly.

If you use a single or two-stage collector, you should discharge the air outside the shop and leave the windows and doors open for makeup air. This won't work if you plan to heat and cool your shop - in this case, you have to use a cyclone system so the air can be recirculated.

Size the duct system properly in order to keep the air moving at about 4,000 feet per minute. This velocity is required to keep the particles and chips suspended and moving through the cyclone and into the collection bag.

You can use metal or plastic pipe in the collection system. There's been a lot of discussion about static electricity, dust explosions and the need to ground dust collection systems.. Recent tests have shown that wood dust is less volatile than other dusts so it's very difficult to ignite. Our areas normally high humidity makes it practically impossible to ignite the dust. Grounding your system is your decision. My system has been in use for over 15 years. It uses plastic pipe and it's not grounded. I've had no problems - even when spraying lacquer.

Be sure to check out Glen's system Saturday, April 21<sup>st</sup> at 1PM.