



The DoveTale

March 2017

Woodworkers of SouthEast Texas

Officers:

President Mark Underwood, 886-4283
President elect Red Dressel, 860-4817
Secretary Richard Hicks, 553-6157
Treasurer Waid Gauthier, 735-8392

Committees:

Newsletter Richard Hicks, 553-6157
Librarian Mark Underwood, 886-4283
Purchases Jerry Shivers, 794-2274
Membership Richard Hicks, 553-6157
Web Master Rob Emanuel, 729-9315
Programs Richard Hicks, 553-6157
Toy Project Richard Hicks, 553-6157

Members:	57	Present:	24	Visitors:	0
----------	----	----------	----	-----------	---

[Our Next Meeting will be April 24th](#)

[March 27th Meeting](#)

We held the March meeting at our regular meeting location, 1685 Ashley in Beaumont. Business items included:

- Waid Gauthier - about \$2,408
- Richard Hicks - Renewals complete with 57 renewals
- Toys - Plenty of supplies in stock
- Web Site - Web site is up to date
- Library - Several new videos were donated and Woodsmith Shop Season 10 is now available for checkout.

[Next Meeting](#)

Our next meeting will be on Monday, April 24th, 2017 at our regular meeting facility, 1685 Ashley in Beaumont. Dale Clark will present a program about woodworking with a CNC machine.

Directions: Take the MLK exit on IH-10, go South on MLK and then turn West on Ashley. Go two blocks and you're there. The business meeting will start at 6:30 and the regular meeting starts at 7:00.

[Roster with Pictures](#)

Numerous members asked if we could include pictures in our roster so "they could put a face with a name". This year we issued the roster with pictures and we've received a lot of positive feedback. However, if you don't like your picture that's in the roster, send me a new one and I'll use it in future rosters.

You can send them via email to:

rhicks4@gt.rr.com or text them to:
(409)553-6157.

[Safety](#)



Mark Underwood presented a short reminder about the importance of wearing gloves and the proper type of gloves while woodworking. Latex gloves are not very good for any woodworking job. Mark likes the 7 and 9 mil nitrile gloves from Harbor Freight. They sell for less than \$10 and they provide excellent protection from the chemicals we use to finish our woodworking items. He reminds us that they are "seconds" and you need to check them for defects before using them.

Gloves are inexpensive protection from the absorption of chemicals and skin dermatitis from chemical contact.

Tool Reviews



Mark Underwood shows a used hollowing tool he purchased at a meeting of the Gulf Coast Woodturners Club.



B.J. Holt shows his porcupine crayon holder that holds 24 Crayola crayons. The angled holes were a challenge to drill.



Kris Castle showed two of the largest belt sanders we've ever seen. He bought them at local pawn shops.



Jeffery Fritz shows a large bench he made from oak salvaged, in "Old Town Beaumont", after hurricane Rita.

Show & Tell



Mark Carpenter shows his "Dizzy Bowl" made with thin strips of various species of exotic wood. Mark plans to do a program presentation on how to make the bowl.



Don Lemp shows a spice rack he made to fit on his cabinet doors. The rack tilts for easy access to the spice bottles.



Richard Spinney shows a leaf he carved from scrap plywood. The plies made the leaf look real.



Rob Emanuel shows a large plaque he made for a fraternity event and he explained how he made the letters using his computer.



Richard Hicks showed a toy helicopter that's been added to our toy project list for 2017. Red Dressel designed it and plans are available on our website.



Waid Gauthier showed pictures of his recently completed dock.

Richard Hicks won the door prize, a \$25 gift certificate and a \$25 Hartville Tool gift card since he had a woodworking show & tell item. Jeffery Fritz and Ronnie Webb each won a \$10 Craft Supplies Gift Certificate.

Program



Ronnie Webb presented a program about designing and installing a dust collection system in a small to medium size

woodworking shop.

He started by defining the terms needed to properly size the system:

- **SP** = Static Pressure - Expressed in 'inches water gauge' is the resistance to air at rest in a duct. Also called Friction or Friction Loss.
- **FPM** = Velocity of air in Feet per Minute
- **CFM** = Air volume in Cubic Feet per Minute

Then, he explained that it's best to centrally locate the collector system so that the duct runs are as short as possible. Once you decide on a location, you have to define:

- The machines that you are going to connect to the system
- How many of the machines will be running at one time
- Position the machines with the highest dust collection requirements closest to the system
- Consult the machine manuals to determine the needs of each machine or
- Check the charts that Ronnie provided for generalizations.
- Calculate the distance from each machine to the dust collector system
- Try not to use elbows, tees or flex hose, instead use 45's and wyes

This provides the information needed to calculate the size of the dust collector system and the diameter of the pipe required to meet the requirements your machines.

Ronnie says it's important to follow the dust collector manufacturer's recommendations for the electrical wiring and breaker because, unlike most machinery, the dust collector motor starts under a load.



Ronnie showed pictures of his dust collector system, some of the piping and blast gates. He has a Grizzly G0441 dust

collector with a cyclone separator and filter



assembly. Most of his piping is 6" plastic pipe and he custom made most of his blast gates. He used 45

degree fittings where he could with only short pieces of flex where necessary to connect his machines.

His research found many references about static electricity when using plastic pipe for dust collection. Most of them insist that there is little danger of a fire or explosion in most small systems. In fact, the National Fire Protection Association (NFPA) has no regulations on systems of 1,500 CFM or less.

Thanks, Ronnie, for an excellent presentation. Ronnie's presentation slides, with notes and charts, are available on our website to assist you in designing or redesigning your dust collection system. There's also a video of Ronnie's presentation available for checkout in our library.