

THE CHARLOTTE SAWDUST

The Official Journal of
The Charlotte Woodworkers Association

www.charlottewoodworkers.org

April Program

Delta's national representative for dust collection will discuss dust collection issues and set up for the woodworker.

Woodworking Show Feedback

Our association had a booth in the Woodworking Show March 15-17th.

The show was held at the Merchandise Mart – Liberty Hall on Independence Boulevard in Charlotte. A number of club members worked our table at the show, and though I only got feedback from the group who worked prior to Dwight Hartsell and I, it seems that there was a fair amount of interest in our association.

One thing that Dwight did that attracted a lot of attention while he and I were working was to display a number of turned pieces that he had made. There's nothing like a good-looking project on display to attract woodworkers to the booth. I'd suggest that we consider trying to have something for prospective members to look at during future shows. It really gets folks to stop and talk.

E-mail Option for receiving "Sawdust"

E-mail delivery of "Sawdust" is now available. When you receive the newsletter via e-mail you have the benefit of getting color photographs, and you get quicker delivery. To sign up for e-mail delivery, please e-mail a request to wmanahan@vnet.net and your delivery method will be changed.

Several members have agreed to receive e-mail delivery of the newsletter but their e-mail addresses are not on file. If you were expecting e-mail delivery and got a hard copy, please send me a note with your e-mail address and I'll update your record.

\$\$\$ Shop on Meeting Nights for Special Savings \$\$\$

The Woodworking Shop is now extending a 20% discount to members of the Charlotte Woodworkers Association on all items (except for power tools) purchased on meeting nights. So if you shop the night of the meeting, you'll save 20% instead of the usual 10%. We'd like to thank The Woodworking Shop for making these additional savings available to us.

Fine Woodworking available at group rate

The folks at Taunton Press are offering a group discount to the subscription price of Fine Woodworking. Michael Rosenberg will be getting the form from Taunton Press and will bring it to the next meeting if he receives it in time. Once he has the form, members can sign up for the discounted subscription rate.

Classified Section

For Sale:

Nothing this month...

Wanted:

No requests received for April's newsletter.

February Raffle Winners

Donated by Mike Patterson

Craftsman Detail Sander

John Moses

Donated by CHC

\$25 Gift Certificate

4 x 4 Cherry

Mitch Urash

Paul Brinker

Donated by The Woodworking Store

Book by James Krenov

Hand Saw

Bill Golden

Charles Toegel

Donated by Woodcraft

\$25 Gift Certificate

Bill Emge

Donated by CWA

Steel Wool

Jeff Jacobs

Meeting Time

Please note that our meetings start at 6:00 P.M., after a social and refreshment time that starts at 5:30 P.M. If you get there early, you can get to know your fellow members. Also, please be mindful of the graciousness of our hosts by not placing refreshment, etc. on their worktables and tools. Thanks for being good "guests".

Consider Contributing an Article to "Sawdust"

Have you considered writing an article for publication in our newsletter? I know that a number of the folks who have demonstrated at meetings have written hand out material. What I've read seems rather good. Couple this with a few carefully chosen shots with a digital camera, and we've got something that makes our newsletter more valuable.

Tips and Techniques are also something worth sharing. They can be written up in a short format, perhaps no more than a few lines or a couple of paragraphs. And they can add value to our association, especially to new woodworkers just getting their start in this activity.

Steve Hooper wrote an excellent article for this issue. If you'd like to contribute an article as Steve has, but need some help putting it together, talk to me. I'd be happy to help.

Dust Collection in My shop

By Steve Hooper

I recently changed the bags on my dust collector and they have totally changed its performance.

Over the last couple of years there has been a lot of talk about after market bags for dust collectors. The recent article in one of the magazines threw me over the edge. I added a new bag to my shopping list at the Greensboro show in February.

The dust collector is a jet 2hp that I purchased in about 1990. It was installed in my Charlotte basement shop. Piping was about 40 feet of 4 inch PVC in a couple branches. This worked well 'till I started to surface plane some boards. There was just not enough room in the bags to plane enough boards for a complete project.

I had been reading about 2 stage collectors somewhere, so I built one. Now the volume was fine, but the collector was losing efficiency.

Next I balanced the impeller and installed a larger opening on the impeller intake. This made the system usable, but not what I thought it should be.

My Salisbury shop is laid out a bit better, and the 4-inch PVC was traded for 6 inch galvanized pipe.

A couple weeks ago I received my new bag from "American Fabric Filter Co.". The system is now all that I could expect, and more. The bag is one of those "one micron" things and is 7 feet long.

With both bags off I started the motor and tested the airflow at the farthest point. With the new bag installed I could not detect any difference in the airflow.

Indeed, the flow is so good that the secondary collector is being bypassed and the lower bag is being filled too fast. So it's back to the drawing board and redo the baffles, or plan on installing one of those centrifugal collectors.



Figure 1: Shows the collector with bags installed and the secondary collector the blue barrel on the right). The shop is on the opposite side of the wall from the first several figures.



Figure 2: The secondary collector. It is a surplus 55 gal plastic barrel. The top of the collector is opened showing the baffles. The dust flows in on the left and out on the right.



Figure 3: Looking up at the ceiling. The new bag is attached on the left. The air comes on the right via 6" galvanized and is coupled to 6" flex. The gray tube is electrical conduit, with the drop coming down. The box in the center houses the power relay, which is controlled from the shop.



Figure 4: Is directly on the opposite side of the wall from the collector. On the left is the 6" galvanized running from the floor to the ceiling. Across the center is the branch. The gray box in the center is a secondary power panel.

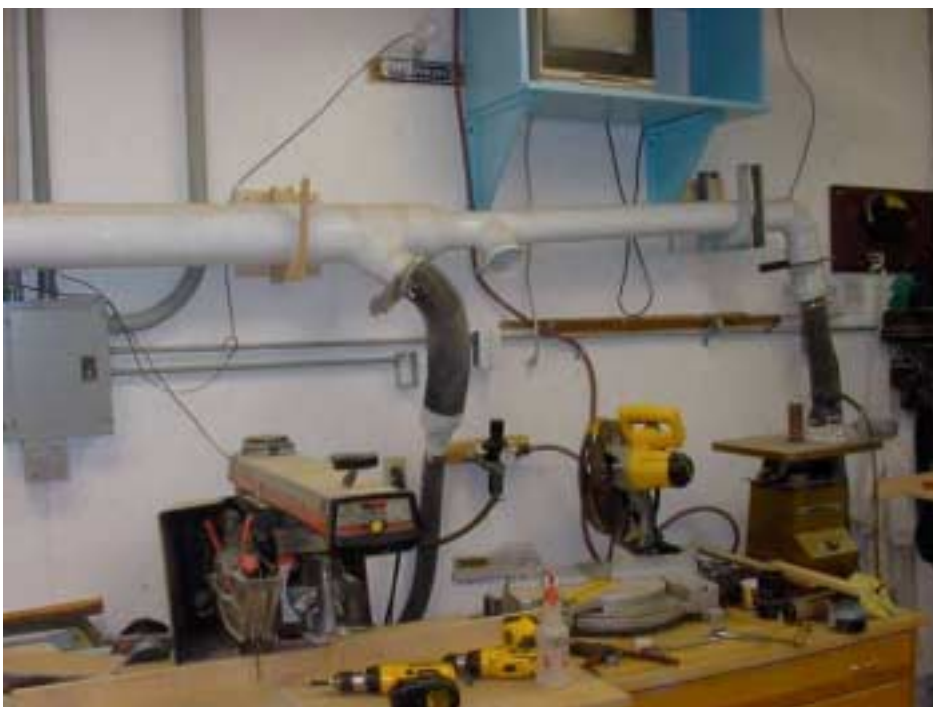


Figure 5: Is to the right of figure 4. I reduced the branch to 4" at this point. I think was a mistake. There are two blast gates here. One dedicated to the radial arm saw. The other goes to a flex hose and goes to a number of tools in that area.



Figure 6: Is looking down toward the floor on the left side. The bottom of the vertical duct you see on fig. 4. The blue on the bottom (just under the cords) is the very bottom of the duct. The blue is a plastic whipped cream lid I use to cover the end, which is used for a clean out. Further up is the blast gate, which goes to my planner. I'm leaning over it to take the picture. Just below it is the gate that goes to the table saw. See Figure 7.



Figure 7: Goes out to the end of the table saw. You see 4" PVC here, going back toward the main branch.

Library Resources - The following videotapes have been added to the Charlotte Woodworkers Library: You can check any of them out for \$1.00 for one month.

2025 The Versatile Router 1	P. Warner	20 min - Fine Woodworking
2026 The Versatile Router 2	P. Warner	20 min - Fine Woodworking
2027 Making Picture Frames	S. Altschuler	20 min - Includes how to make moldings
2028 The Woodfinishing Video (duplicate)	M. Dresdner	40 min - Wipe, Brush & Spray
2029 Biscuit Joinery	Frank Klausz	60 min - Techniques & Build Bookcase
2030 Sharpening Woodworking Tools	Leonard Lee	71 min - Lee Valley Tools
2031 Sandpaper Sharpening	Michael Dunbar	20 min - Fine Woodworking

CHARLOTTE HARDWOOD CENTER

Mr. Ron Davis
4250 Golf Acres Drive
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704-394-9479 (contributing/sponsor)

CUSTOM RESTORATIONS

Mr. Larry Hinshaw
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Mr. Robert Boland, Manager
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Charlotte, NC 28205
704-333-3130 (sponsor)

THE WOODWORKING SHOP of Charlotte

Mr. Tony Collums, Manager
116M Freeland Lane
Charlotte, NC 28217
704-521-8886
(contributing/sponsor – except power tools & lumber)

WOODCRAFT

Mr. David Boyuka
1725 Windsor Square Drive
Matthews, NC 28105
704-847-8300 (contributing)

WT TOOL

Mr. Martin C. Dowdy, General Manager
4200 Barringer Drive
Charlotte, NC 28217
704-527-4071 (sponsor)

Show your CWA membership card at any of the Listed places to receive benefits (except for WOODCRAFT, which is unable to provide sponsorship in the form of discounts).

2002 CWA Officers

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Next Meeting:
April 15, 2002
At The Woodworking Shop
