

C WOODWORKERS CLUB OF HOUSTON

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AUGUST, 1985

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JULY MEETING

Hey! Didn't I tell you that you would enjoy this meeting? Charles Kegley's talk and demonstration of bowl turning utilizing stave construction was straightforward and informative. I've made several bowls using this method of construction. If you take the time to get your angles right, it is very simple, and because you won't be cutting end grain, you'll end up with the full grain of the wood showing. Give it a try!

The angles and lengths required for different numbers of staves is at the end of this section, so you can cut it out and save.

Thanks again Charles, and I hope you will consider joining our group as a permanent member. That way maybe we can prevail on you for a workshop or a clinic.

SHOW & TELL

I really enjoy this part of the meeting. It gives me a chance to show off, but I also get ideas for future projects, or an idea for doing my projects easier or better in the future.

One of our guests, K.W. McLoad, brought some most unusual turned bowls, all with different woods in most unusual geometric patterns. I hope Mr. McLoad will become a permanent member.

Julius Lang bought another Shaker piece. This time a screened potato or vegetable bin.

Greg Southerland, one of our new members, brought an open cockpit biplane. I think I saw it in one of our "Hands On" magazines. Real nice Greg.

Hebert Wilbourn brought a really useful piece for a little leaguer - a rack for his balls, cap, glove, and bat. Hebert will furnish the plans to anyone who will make a couple to sell at our October Charity Show.

Chuck Maxwell brought a piece he made for a day-care project. It could be either a rocker or a ladder. Chuck has really been making the sawdust with this project.

Steve Proctor brought pictures of his new two-story wood deck at his home. It's the first time I've seen a large timbered project put together with dovetail joints. I think Steve was showing off to his neighbors a little bit.

Don Sloan brought a band saw box for pencils and stamps and a sliding book holder out of dowels and teak. These are for his grandchildren's Christmas.

I think I got everybody's name and project. At the next meeting, please check with me to make sure I recorded everything.

OLD BUSINESS

We keep acquiring new members. We had about four or five guests at our July meeting. Hopefully, all will join our group and add to our store of woodworking knowledge or, if a novice, will add enthusiasm for the growth of the club.

We voted at the July meeting to buy several video tapes to add to our library. We will probably purchase the ones on lathe turning and hand cutting of dovetails. We might write Tage Fride, Ian Kirby, and the other great craftsmen and ask if they have video tapes we may purchase. It would really compliment our library.

For the newer members who would like to purchase a club T-shirt or cap - Mark McCoy, our treasurer, has several caps left at \$5.50 each. T-shirts can be ordered with the club logo and your name for about \$15.50 by calling T-Shirts Plus at 957-2035. Just give them your name and size, and they will have it ready by the time you get to their shop.

We have a new bulletin board that Chuck will have at every meeting. There you can post pictures you want to add to our album, announcements of items to sell, or something you want to buy. You can also ask for HELP on some project your working on or planning. Somebody in the club is bound to have the knowledge you need. Just ask! That's what the club is all about - SHARING!

Sam Zeisman has the following info about our annual Charity Show in October. This is the chance for everyone to get involved and help the children who wont get a chance to try all the new things in life.

"D-Days" - Friday, October 25, 1985 and Saturday, October 26, 1985. Our "Make-A-Wish" Foundation annual Woodworkers Club of Houston sale of items made by each member for this big event. Mark your calendars and make every effort to make at least two (2) items ready for our biggest project of the year.

You can deliver your items to a location to be named, or bring them to the meetings of August 10th, September 14th, and October 12th.

Don't delay - We need everyone to help.

Northwest Mall - Loop 610 & Hwy 290

Friday, October 25th - Saturday, October 26th

Sam says they need a warehouse or a place to store the items until the sale. If you have an idea, give Sam a call.

WORKSHOPS & CLINICS

Steve Proctor has a list of available clinics and workshops. For you newer members, a clinic is a "hands-on" class of four to six people taught by a member. Cost is \$2.00 plus any material furnished and usually lasts from two to six hours. A workshop is more involved. It can run one day to several and cost is set by the instructor, who is usually extremely competent in what he is teaching. A clinic's instructor need only be fairly good at the particular technique he or she is teaching.

Presently the following clinics are available. Just sign up at the meetings and you will be notified later when and where it will be held.

CLINICS

1. Spindle Turning - Michael Chandler
2. Project Design - Murray Gordon
3. Carved Bowls - Charles Hoop
4. Raised Panel Doors - Chuck Maxwell
5. Shop Layout - Doug Blodgett
6. Minature Furniture - Andy Blodgett
7. Machine Maintenance - Michael Chandler
8. Band Saw Boxes - Bill Beggs
9. Router Basics - Bill Forkner
10. Hand Planing - Julius Lang
11. Leather Work Apron - Mike Keerkar

WORKSHOPS

1. Making of Hand Planes - Michael Chandler \$50.00
2. Bowl Turning (all day) - Michael Chandler August 4th - \$135.00

We are still looking for volunteers to teach clinic and workshops. I need a teacher for marquetry. Any volunteers?

NEW BUSINESS

I had one of our new members call before the last meeting and ask if it's alright to bring his wife. The answer, of course, is yes - bring the kids, your neighbors, anybody you think may enjoy a learning experience. I asked this particular wife if she enjoyed the meeting. She seemed very enthusiastic in her "yes" answer, even though she said she was not a woodworker.

Michael Chandler has taken over a Ryobi equipment line. They have a very reasonably priced planer you might want to check out. Also, Bruno Wesolek showed the results of two new carbide tip router bits for cutting raised panels and rail and stile joints. Very nice.

Michael also furnished a video cassette on Record planes. It will be available to check out of the library. It also shows techniques on sharpening chisels and carving.

We need ideas for our big December meeting. Several have suggested a dinner meeting which could be catered. It will be the grand "Show & Tell" of the year. Our resident Woodsmiths will act as judges and ribbons will be awarded in various categories. We also need input here - what categories and how many levels of competency? Give Rich Kurey and your other officers your input.

The coffee and doughnuts furnished at the meeting are not free, so please put a little in the "kitty can" so we can reimburse our host for his courtesy.

TIPS & TECHNIQUES

Ever had the problem of what size pilot hole to drill for a certain size screw? Well, the following list should help solve this problem. Just cut it out and tape it to your drill bit box. (By the time you cut out everything in this newsletter there wont be anything to save.)

PILOT AND CLEARANCE HOLES

<u>Screw Gauge</u>	<u>Pilot Hole</u>	<u>Clearance Hole</u>
1	1/32"	5/64"
2	1/32"	3/32"
3	1/16"	7/64"
4	1/16"	7/64"
5	5/64"	1/8 "
6	3/32"	9/64"
7	3/32"	5/32"
8	3/32"	11/64"
9	7/64"	3/16"
10	1/8 "	3/16"
11	1/8 "	13/64"
12	5/32"	7/32"
14	3/16"	1/ 4"
16	3/16"	5/16"
18	13/64"	5/16"
20	7/32"	21/64"

EVERYONE'S GUIDE TO WOODWORKING

by Michael Chandler

Woodworkers who are harvesting green lumber for use in furniture making have to follow the guidelines described in the previous articles, if they want to successfully dry the wood. To deviate from the procedure described in the previous articles is to invite disaster and leave you with a stack of wood that is only useful as firewood.

However, for woodworkers who are going to use harvested wood for turnings of sculpture there are some alternative methods available for drying green lumber that do not necessitate waiting until the lumber has completely dried before using it. The most frequently discussed method is to use P.E.G. 1000. This is a product that is available to woodworkers regardless of whether they are amateurs or professionals. P.E.G. 1000 is a substance that is simple to use but is the sub-

ject of debate as to whether it should be used. One of the strongest arguments against using P.E.G. 1000 is that it tends to alter the actual colors of the wood and make it appear "milky". An argument that is advanced in favor of using P.E.G. 1000 is that it makes green lumber very stable, more stable, it is agreed, than kiln dried lumber. I am not sure about the accuracy or truthfulness of either of those arguments. I personally do not use P.E.G. 1000. The reason why I do not use it is quite simple: it is relatively expensive to use as compared to the cost of other methods for drying green lumber for turnings and sculpture. If, however, anyone reading this article would like to find out more about P.E.G. 1000, then read either Bruce Hoadley's article in issue #19 of Fine Woodworking or Working Green Wood With P.E.G. by Patrick Spielman.

For myself, I prefer to use the following method. If I am turning a bowl, I simply mount the green wood on a face plate and turn the outside of the bowl to the shape, more or less, that I want. After forming the outside of the bowl, I then turn the inside of the bowl. However, instead of turning the walls of the bowl to final thickness, I leave the walls 3/4" to 1" thick and give the bowls a liberal coating of linseed oil and (cheap) paste wax. I then weigh the bowl and put it on a shelf. After a month or so I reweigh the bowl and when it has reached a constant weight, I remount it on my faceplate and finish turning it.

The trick here is to remove a large amount of "wet" wood so that there is less green wood that needs drying. A carver or a sculptor can do the same thing by removing wood from a blank until the basic outline of the carving or sculpture has been reached and then applying a liberal coating of linseed oil and beeswax and following the same procedure of weighing the roughed out piece until it reaches a constant weight. When the piece has reached a constant weight, the carving can be finished.

This method of using green lumber and drying it as it is being worked on is my preferred method. It is easy to do, relatively inexpensive and more importantly, is essentially "fool-proof". On the other hand, I have had mixed results with using the microwave oven. The microwave oven will dry wood very quickly, but, it has a high risk of failure with more pieces ending up in the scrap pile than we successfully dried.

Using the microwave oven to dry a bowl or a sculpture is a very simple method to use. Simply set the microwave on the defrost cycle and put in your finished piece. Set the defrost cycle for 10 minutes. When the cycle has finished, remove the piece from the microwave and let it cool down for 10 minutes. Repeat this process three times. When the process is completed, your bowl or piece of sculpture should be dry for putting on your finish. Of course, the way in which you can check that your piece is dry is to weigh it before you put it in your microwave oven and reweigh it after it has been through each defrost cycle. If the piece did not lose any weight during the last defrost cycle, then it can be judged to be dry.

This is the last of three articles on drying green lumber. I hope that they have been informative and useful. Next month I shall talk about the principles of design in constructing furniture and accessories. If anyone has any comments or questions about these articles, I can be reached at 683-8455 during the day and 786-0065 during the evening.

PRESIDENT'S CORNER

We had a terrific program during the July meeting. Charles Kegley presented a very good perspective on staved bowl construction. Charles gave us a quick reference chart to use for constructing the individual staves of a bowl. We've included this chart in the Newsletter for your use.

The remainder of the year should prove pretty exciting for the Club. The programs we have lined up will give all of us some variety and a whole lot of useful informational exchange. Our plans include a program by Rich Grimes, Manager of Houston Patternworks on Canal Street, in August. If you've never seen a pattern shop, you're in store for a true experience. Those folks make wooden patterns of the most exotic and complex forms imaginable so that forms can be made for casting. Try to imagine making an exact wooden model of a large valve or an automobile engine. I mean absolutely exact!! These folks are true craftsmen.

In September, we hope to have Ronald Aimoneti of Friendswood show us a bit about Bird Carving. Ron is one of the best carvers in the area. He creates true to life carvings of small birds.. I mean down to the pin feathers. We haven't selected a location yet for the meeting, but we'll keep you posted.

Our October meeting will be at Concepts in Wood, on Steubner Airline, a large Architectural Millwork shop managed by Jim Landford. Jim will show us how those fancy mouldings and staircases are made. Again, if you've never seen a large millwork shop, get ready to be overwhelmed!

Our November meeting will be at Circle Saw Builders Supply and feature David Morris from the Dallas branch of Garret Wade. David will demonstrate some of the Injecta Machinery and a new lathe design. The space may be tight at Circle Saw but we'll try to split up in shifts or something to ease the crowding.

The December meeting is the "SHOW OFF" meeting we've talked about before so don't forget, you should already be working on a truly super project to bring to the meeting and show off to the members, guests, and families.

As you can see, the meetings planned should be exciting. Keep tabs on the meeting announcements each month since there might have to be some last minute switching or substitutions. With the meetings, our BIG ANNUAL CHARITY SHOW and SALE in October, and the Clinics and Workshops, we hope to keep everybody busy and INVOLVED - INVOLVED !!!

Diameter of Turning	Number of Sides				
	8	10	12	14	16
2	27/32	21/32	17/32	15/32	13/32
2½	1 1/16	13/16	11/16	19/32	1/2
3	1 1/4	1	13/16	11/16	19/32
3½	1 15/32	1 5/32	15/16	13/16	23/32
4	1 21/32	1 5/16	1 3/32	15/16	13/16
4½	1 7/8	1 15/32	1 7/32	1 1/32	29/32
5	2 3/32	1 5/8	1 11/32	1 5/32	1
6	2 1/2	1 15/16	1 5/8	1 3/8	1 7/32
7	2 29/32	2 9/32	1 7/8	1 19/32	1 13/32
8	3 5/16	2 5/8	2 5/32	1 27/32	1 19/32
9	3 3/4	2 15/16	2 7/16	2 1/16	1 13/16
10	4 5/32	3 1/4	2 11/16	2 9/32	2
12	5	3 29/32	3 7/32	2 3/4	2 13/32
14	5 13/16	4 9/16	3 3/4	3 7/32	2 25/32
16	6 5/8	5 7/32	4 9/32	3 21/32	3 3/16

Number of Sides	Tilt Setting
6	30°
8	22.5°
10	18°
12	15°
14	12.85°
16	11.25°
18	10°
20	9°
24	7.5°
30	6°

SPEAK OUT by Murray Gordon

Power tools have become the center of many woodworkers' shops. The biggest problem for the novice is how to buy the best tool to meet your needs. I would like to make some recommendations based on my experience -- and my mistakes.

1. Buy the maximum capacity that you can reasonably afford. (If necessary, wait until you can afford the proper capacity. The 9-inch table saw on sale may look attractive, but it will present problems in getting the wide variety of attachments and blades which are available for 10-inch saws.

2. Horsepower (or watts) does not tell the whole story. When buying power tools, also look at the maximum RPM. (Torque is twisting force.) A 1-hp router motor operating at 25,000 RPM develops much less torque than a 1-hp table saw motor operating at 3,500 RPM. This is a good way to compare drills. Bargain drills generally have a higher RPM than heavy-duty drills.

3. Though it may be obvious, anti-friction bearings (ball, roller and needle) are better than sleeve bearings. Sleeve bearings require larger clearances which causes misalignment and reduces accuracy. Sleeve bearings are also prone to premature failure, particularly if overheated during heavy use.

4. Bargain power tools usually aren't. The best way to get a good buy is find the tool that fits your needs and then find the best price for it.

BUY & SELL

Ward Wood Lathe with Motor - \$200 - Paul Harrison
 Delta 14"/12" Wood Lathe - \$375 - Don Cox
 Delta 11" Wood Lathe - \$375 - Prentiss Crowe
 Craftsman 4" Joiner/Planer - 1 hp - \$75 - Ron Cass (will trade)

Let me know at the meeting what you have to sell or what you want to buy. You can also post it on our new bulletin board at each meeting.

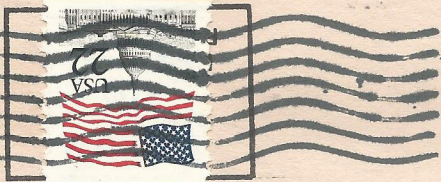
AUGUST MEETING

The meeting is Saturday, August 10th at 9:00 a.m.

This one is going to be really different and something a lot of you have never seen before. A wooden pattern shop. Everything is done in reverse and to very exact measurements.

Houston Pattern Works will be our host and Mr. Richard Grimes, the manager, will be our lecturer. They are located at 5210 Canal Street which is east off Lockwood and north of the Gulf Freeway.

SEE YOU THERE!



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