

Woodworkers Club

OF HOUSTON

VOL. 5, NO. 7

JULY, 1989

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JUNE MEETING

Our speaker was Pat Thompson of Houston Saw and Knife. He described saw blade manufacture and sharpening. He also covered single edge tool sharpening. Thank you Pat for a very informative presentation.

Carbide saw blades have fixed tooth height and width, while tooth shape is limited to three or four styles. A standard steel blade is a hammered blank with alternate set to provide kerf. Tooth styles include alternate top bevel, which leaves an uneven kerf bottom; square cut, which leaves a flat kerf bottom, and triple chip, which is used for plastics and laminates.

The general rule is more teeth equals a smoother cut, at the price of extra heat. The right saw and blade can minimize sanding.

The hook or rake angle of the tooth is the position of the tooth leaning into the material. Teeth with rake tend to self-feed. Finer blades, and plastics, metal cutting blades have little to zero rake.

Relief angle is the angling of the tooth relative to the main body. Its purpose is to reduce heat. Too much heat will warp or stress relieve the blade. Larger blades are tensioned to deliberately put a gentle curve in the blade. This cupping disappears at rated rpm, allowing the blade to run true.

There are six grades of carbide. The higher the number, the harder and more brittle. Most blades are C2 or C3.

New techniques of manufacture include laser cutting saw blanks, which minimizes grinding.

Balancing becomes more important as blade size increases. Blades are static balanced—that is, does it stay at rest on a center point. Dynamic balancing is done at rated rpm to correct wobble, out of round.

Other types of blades include hollow ground (fat edges, thin center) and thin kerf. Both seek to reduce drag and heat. Sources of drag include dull blades, lack of set and rosin buildup.

Stabilizers aren't really necessary for 10" or smaller blades. Mostly used for larger mill

blades.

Sharpening is a semi automatic process utilizing dial indicators to check for the smallest tooth, out of balance.

Individuals can prong a sharpening by dressing up blades with a diamond stick.

Honing removes the burr from grinding planer, jointer and chisel blades.

Our thanks to Pat for a fine speech and for the generous 7 1/4" carbide blade he donated for a door prize.

CLUB NEWS

The Charity Sale is scheduled for late October. Get working on your projects now.

The annual Christmas Dinner meeting will be Tuesday November 28, 1989 at the Rice Faculty Club. Later dates were unavailable.

Ted King is organizing a scrapbook of shop photos. Take your own picture if you can or sign up with Ted King and he will arrange that photos of your shop be taken.

Treasurers report—approximately \$2600, all expenses current. Dues—99% of all are dues are collected at the beginning of the year and must pay all our expenses for the rest of the year.

- Dues pay for:
- 1.) Monthly newsletter + postage approx. \$1.00 per month per member.
 - 2.) Video Tapes and Books.
 - 3.) Public Address system and coffee pot.
 - 4.) Misc. expenses: Bank expenses, postage, badges, labels, envelopes, xerox copies and rosters.

We have many members who donate their time, gas and hard work just to make this a very successful organization.

Every Month Thad Brown picks up your newsletter at the printer, seals them, licks all the stamps and rushes them to the post office so that they get to your house on time. Last month because we were all so late getting the newsletter to the printer--to speed delivery to your mail box Thad had to fold over 200 newsletters--if you have ever done this it is not fun--so we should all give Thad a well done!

We would also like to Thank all the fine folks at Speedy Printing for going out of there way in helping to get our newsletter out as soon as they can no matter what challenges we give them. (John and Barbara Arnett of Speedy Printers are also club members--so if you ever need printing be sure to give them a call and tell them your a member.)

FOR SALE OR WANT TO BUY

Prentiss Crowe 16" Drawer glides \$5.00 for a box of ten.

Chuck Maxwell Mill Route, templates and table \$300.00.

Ronnie Derks-- Ringmaster

PROBLEMS AND SOLUTIONS

Discussed where to find 4 X 4 pine untreated--try Board Feet Inc.

Small motor repair is available at RPM Inc. on telephone rd.

SHOW AND TELL

Denis Muras--a beautiful Black Walnut end table. Plan from Woodsmith. Solid doors, ply cabinet. Used tung oil finish with steel wool.

Chuck Maxwell and Don Sloan built a English style garden bench swing made out of Poplar.

Robert Sandlin exhibited several drill press table jigs for drum sanding.

Gayle Robertson showed a steam whistle from Wood Mag. Plans. Made from bowling alley maple--good charity sale item.

Don't forget start making your Charity Show items--now.

WALNUT TREES NOW ARE OFTEN GROWN FOR DIFFERENT NUTS.

The following article is excerpted from the Tuesday April 25, 1989 Wall Street Journal.

The price of Walnut lumber is up almost 20% since 1984. Walnut inventories are badly depleted amid rising demand. New plantings aren't harvestable for at least 50 years, despite recent U.S. Forest Service experiments with speeding growth. (Trees in California harvested for their nuts are English walnuts, with relatively short trunks, rather than the favored black walnuts.) Thus baby boomers, who aren't known for waiting patiently, won't

soon enjoy a plentiful supply of walnut.

Scarcity only adds to the mystique, says fashionable New York interior designer Mario Buatta. Walnut furniture is for "yuppie types, new-money types--people who can spend for grain with look of rich satin," he says. Adds Brian Stoner, designer of luxury apartment interiors at Donghia Associates Inc. in New York, "Fine wood is anchored in intelligence."

"The Hope Diamond of Logs": about 20 feet long, 20 inches in diameter, free of big knots and unbattered by woodpeckers. Many Walnut trees are "too wormy or small and sappy" to be worth cutting. High-grade 20 foot logs typically fetch \$100 to \$1,000 from spotters. A few trees, fit to produce many feet of the best veneer, have brought \$20,000; but they are extremely rare.

Walnut's considerable lore could fill a museum all its own. The ancient Greeks dedicated the walnut tree to Diana, goddess of hunting and protector of mothers at childbirth. In the 17th century, French musketeers selected walnut for their firearm stocks--a preference that still prevails among U.S. shotgun and rifle makers.

The Pilgrims held their council meetings at a walnut table at Plymouth Hall; Aaron Burr composed himself over lunch at a walnut sidebar after killing Alexander Hamilton in a duel. Dolley Madison served tea on a walnut buffet to her husband and his generals while they talked strategy in the War of 1812.

American Indians used walnut husks, which hold traces of a natural sedative, ellagic acid to stupefy fish. In Mississippi, where that trick lingered, a state law bars using walnuts, dynamite or gunpowder to land the catch of the day. Some woodworkers say they delay sweeping up walnut shavings because their sweet smell has such a soothing effect.

FOOD DRIVE

We asked the members to help the Elks Lodge with their food drive--this is a continuing project that Lodge 151 does to help feed the needy.

The Wood Club members responded with 171 items of food.

The Elks Lodge have been very gracious hosts in allowing us the use of their facilities.

We want to thank all the members for their donations and know the food will go to good use.

ROSTER FOR 1989

Enclosed is the Roster for 1989. Please keep for the year --- each month we will add any new members names in the newsletter and ask you each to add there names to this roster. If there are any corrections or changes let Sharon know and she will publish in future newsletters as needed.

ANNOUNCEMENTS

On Channel 8 on Saturday mornings--11:00 or 11:30 A.M. (it changes ?) is a program on

Wood Carving By Rick Butz.

Channel 8 still is showing the remaining programs on the New Yankee Workshop on Sunday mornings at 12:00 noon by Norm Abrams.

JULY MEETING

WHEN: JULY 8TH, 1989 9:00 A. M.

**WHERE: GIBBS CO.
1810 BRITTMORE**

PROGRAM: The program will be conducted by Cy Gibbs. He will give the membership an insight into the woodworking activities of his company with an emphasis on the custom architectural milling operations.

DIRECTIONS: Brittmore is just West of the West Belt (Sam Houston Toll Rd.) off Interstate 10, 1810 is almost a mile North of the Freeway(10), just before you get to Hammerly. Please park along the fence as the shops are open for business on Saturday morning. Don't forget to bring a chair if you wish to sit.

SEE YOU THERE!!!!!!!!!!!!!!!!!!!!!!

DON'T FORGET TO START MAKING YOUR CHARITY SALE ITEMS BEFORE ITS TOO LATE...

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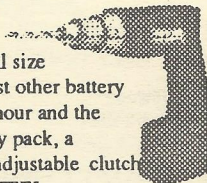
Milwaukee, Hitachi, Bosch,

Ryobi, Makita, Skil.

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Drill / Driver Kit # 9850

This new tool from Porter-Cable comes with full size NiCad batteries instead of the sub sizes that most other battery tools use. The 12v battery pack recharges in 1 hour and the automatic charger can not overcharge the battery pack, a leading cause of early battery death. 6 way adjustable clutch. Comes with drill, 1 battery pack, charger and STEEL carry case.



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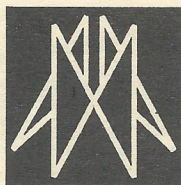
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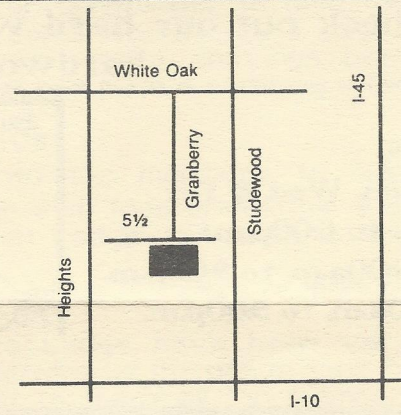
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