

THE OLD SAW

Expanded Issue

The Guild of NH Woodworkers - Founded 1990

178 Derry Road, Chester, NH, 03036

The President's Message

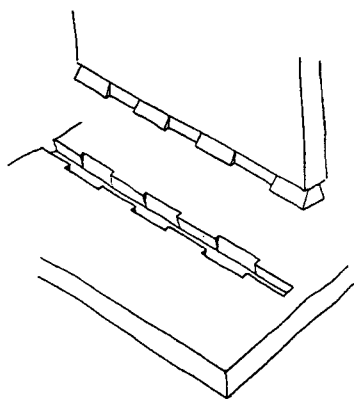
If I had to pick an aspect of my work, or woodworking in general, that I enjoy the most it would be a difficult task. There's design, wood selection, execution and finish to mention a few. All of which must work in consort for a successful piece of furniture, boat-house, baseball bat, or whatever you make.

High on my list is good joinery. There is something about putting together a well designed joint that is comforting. Maybe its the appreciation of a good fit as in a mortise and tenon. You want to feel more secure? Try a through wedged mortise and tenon. Still want more? Try a through wedged mortise and tenon that's also pinned. There's a joint that will let you sleep at night.

It reminds me of a story of this eccentric Danish furniture maker who had some furniture dropped off the boat in India. Just after the furniture hit the ground, a herd of elephants came by and trampled it. When the elephants had gone, all that was left was a pile of splintered wood and these clumps of joints that were still intact.

One joint that will really get you scratching your head trying to figure out how it will come apart after it's put together is the Slide-lock dovetail. It is a

relative of the sliding dovetail and actually an adaptation of a Chinese joint. It's one I frequently use when joining wide panels that intersect at a right angle. It can be made with the router or *cavatrice a punta*. Call me if you want more information on this great tool!



Slide lock dovetail

Try it you'll like it

Looking ahead to the summer and beyond there seems to be a lot of activity out there for woodworkers. I can't keep track without getting out my trusty copy of the *Old Saw* to check the calendar. There are *Wood Days* on June 26/27, and *The League of NH Craftsman's Fair*, August 7 to 15. In addition, there is *The New Hampshire Furniture Masters Association Exhibition and Lecture Series* starting in June at the *Wentworth Coolidge Mansion* in Portsmouth. It then goes to the *Boston Architectural Center* and finally ends

up in Concord at the *NH Historical Society*.

There seems to be more and more classes and workshops for wood workers springing up all over the country So, if there's something specific you want to learn you should be able to find it.

The Guild's regular meetings, BIG meetings and Granite State Woodturners meetings continue to be a vehicle for opening doors for people with an interest in wood.

I want to especially thank Jack Grube for organizing our programs over the past few years.

The Guild Steering Committee will be meeting very early in June to sort through meeting topics for next year so give me a call if you've got an idea of something you would like to learn more about.

We also have to select a slate of both elected and appointed officer candidates for the 1999/2000 year. If you are willing to take on some Guild activity, I would especially like to hear from you.

I'm looking forward to being at Wood Days at Canterbury Shaker Village and seeing my old friend, Clear Native White Pine...and if its Knot Clear, we will make it Clear.

Hope to see you there.

More later,

Ted

Volume 10, No. 5
June 1999

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Web Sites of Interest

- ♦ American Woodturners
www.rtpnet.org/~twnc/awchapt.html
- ♦ Aspen Grove
www.aspencolor.com/process.htm
- ♦ Black Mountain Wood Co.
www.blackmntn-north.com
- ♦ Bridge City Tools
www.bridgecitytools.com
- ♦ Certainly Wood
www.certainlywood.com
- ♦ Fine Woodworking Magazine
www.finewoodworking.com
- ♦ Furniture Masters
www.furnituremasters.org
- ♦ Garrett Wade Company
www.garrettwade.com
- ♦ GNHW
http://people.ne.mediaone.net/spokeshave/the_guild.htm
- ♦ Humboldt Woodworking Society
www.woodguild.com
- ♦ Inlay Product World
www.inlays.com
- ♦ Lee Valley Tools
www.leevalley.com
- ♦ Lie-Nielsen Toolworks
www.lie-nielsen.com
- ♦ Maine Coast Lumber
www.maineoastlumber.com
- ♦ NHmade
www.nhmade.com
- ♦ Taunton Press
www.taunton.com
- ♦ The Superior Tool Works
www.supertool.com
- ♦ Woodcraft Supply Corp
www.woodcraft.com
- ♦ Woodsmith/ShopNotes Magazine
www.augusthome.com
- ♦ Woodworker's Journal
www.woodworkersjournal.com
- ♦ Dave Wachnicki, Shavemaker
www.ncworkshops.com
- ♦ Ellis Walentine/Jim Cummins
www.woodcentral.com

Meetings You Don't Want To Miss

Timber Framing with Tedd Benson on Saturday – June 12, 1999

Jack Grube Program Coordinator Tel: 603-432-4060 E-mail: jackgrube@aol.com

Each summer the Guild organizes a "special" meeting, typically a field trip. Last year it was the home and studio of Jon Brooks. This year we will be touring Tedd Benson's timber framing operation in Alstead Center, NH.

The meeting will be 1:00–3:00 PM. Tedd will educate and entertain us with a slide show, tour and a discussion of timber framing.

Afterward, those who are interested can travel about 12 miles to Tedd's facility in Keene to see the automated and CNC equipment which he uses to design houses and machine the timbers before

they are transported to the job site.

Directions

From Keene: Take Route 12A north about 12 miles to Alstead Center and a small cemetery with a white house in front and an intersection sign. Look for a small green road sign saying *Camp Brook Road* to the right. **Pratt Road (dirt)** is about 30 yards ahead on the left. **Benson Wood-working** is about 1 1/2 miles on the right.

From Concord: Take Route I-89, then Route 9 for 11 miles to Route 123 on the right. Watch for this turn, it is easy to miss. Route 12A is a hard left turn off

Route 123 about 9 miles west of Marlow. Also watch closely for this turn, it is easy to miss. Take Route 12A south for 2.3 miles to Alstead Center and Pratt Road (dirt) on the right. Benson Wood-working is about 1 1/2 miles on the right.

General:

- Alstead Center is just a few houses, small white church and a cemetery.
- Park in the Visitor's Parking and climb the stairs to the Reception area

Wood Days At Canterbury Shaker Village Needs You on June 26/27!

Wood Week at the League of NH Craftsmen's Fair – August 7 to 15

Dave Emerson Tel: (603)783-4403 (evenings best) E-mail: efurnitr@tiac.net Fax: (603)783-3386

There aren't enough other guys! We need you to bring whatever you can do to *Wood Days, June 26 & 27 at Canterbury Shaker Village*.

It's show and tell - you don't need to be a "professional" demonstrator. If *Wood Days* is to continue, you will have to come forward and participate. *Wood Days* will not survive without new demonstrators.

We already have a head start on the activities, thanks to the 16 X 30 ft., 1 1/2 story building that the *Timber Framers Guild* will raise on Saturday and Sunday. *Wood Days* isn't the hosting of a *Guild* meeting, it is directed toward sharing woodworking with the general public. If it's wood related, they love it.

The Guild of NH Woodworkers members

can maintain the momentum by committing to sharing their skills at *Wood Days*. Please submit your demonstration ideas to David Emerson, as soon as possible. What are you working on these days? Bring a piece and talk about it. If it's at a stage where you can do some work on it at Canterbury, even better.

Volunteer to help with the piece that Guild members will make start to finish during *Wood Days* or to volunteer to help with the *Guild* booth - call Ted Blachly at (603)456-2385.

The piece made at Canterbury will be raffled at the *Guild* tent at Sunapee to make big bucks for Guild program funds, .

There's gorgeous camping at *Shaker Village*; with swimming, hiking, and boating available and the usual parties at Dave's

house on Saturday and Sunday nights. Come and stay for both days!

Wood Days is a good chance to hone your demonstrating skills if you're interested in going prime time at *Wood Week at the League of NH Craftsmen's Fair at Mount Sunapee on August 7th - 15th*. The *Guild* and *Shaker Village* co-sponsor a 20 x 30 ft. demonstration tent. The emphasis will be more Shaker on the weekends and Monday (Shaker Day). On Tuesday through Friday, Geoff Ames is organizing the main act with Queen Anne chairs. We'll also need help with the *Guild* raffle. Sunapee is great fun and great exposure, with 35,000 buyers. last year.

Ted Blachly and I look forward to receiving your application to help with these

Inlay with Garrett Hack and Annual Meeting – October 2, 1999

Jack Grube Program Coordinator Tel: 603-432-4060 E-mail: jackgrube@aol.com

The first fall meeting will be at Garrett Hack's shop in Thetford, VT. Many of you will remember the very interesting meeting that we held there two years ago.

Note the change in date. Garrett has a very

busy September schedule, and after discussing his schedule and that of the Guild, we decided that an early October meeting might be best for all parties. Garrett will be speaking on Inlay.

October 2nd will also be our annual meeting including election of officers.

Look for complete information and directions to Garrett's shop in the September issue of *The Old Saw*.

Calendar of Upcoming Meetings

For more information call the Coordinator listed below

- **June 5 — BIG**
Jigs and Fixtures with Howard Hatch at his shop in North Conway. Contact him at 603-447-8486.
- **June 12 — Guild**
Tour of Tedd Benson's Timber Framing Operation in Alstead, NH. Contact Jack Grube 603-432-4060 for more information
- **June 26/27 — Guild**
Wood Days at Canterbury Shaker Village in Canterbury, NH. Contact Dave Emerson 603-783-3386
- **July 17 — GSW**
Critique Meeting with Kay Shumway at her shop in Etna, NH.
- **August 7 to 15th — Guild**
Wood Week at LNHG Sunapee Fair.
- **September 11 — BIG**
Chip Carving with Tim Elliott at his shop in Plaistow, NH.
- **September 18 — GSW**
Green Wood Turning with Charlie Sheaff at Keene State College.
- **October 2 — Guild**
Garret Hack on Inlay at his shop in Thetford, NH.
- **October 9 — BIG**
Design Critique Meeting. Location to be announced later.
- **November 6 — BIG**
Shaker Box Making with Jack Grube At Pinkerton Academy in Derry, NH.
- **November 13 — Guild Seminar**
Making Musical Instruments with Dave Nugent (violins), Bill Thomas (flutes), Terry Moore (guitars) and Jim Schust (drums). Jon Siegel, Coordinator. Tel 603-934-2765.
- **February 19, 2000 — Guild**
We are exploring getting a "big name" presenter for this meeting. Leonard Lee, Peter Korn, and Thomas Lie-Nielsen have been suggested. If you have other ideas, contact Jack Grube.
- **May 6, 2000 — GSW**
Turning Symposium — Pinkerton Academy. In February of 97 the Granite State Woodturners and KSC hosted the first and very successful Wood Turning Symposium. If you are interested in helping with this symposium contact, Dick Batchelder, Peter Bloch, or Jack Grube

Meeting Schedule Notes:

1. For all Guild meetings, unless otherwise specified, the Steering Committee meets from 10:00 — 11:00, the general business meeting is 11:00 — 1:00, lunch (bring your own) is 12:00 — 1:00 and the presentation is 1:00 — 3:00.
2. BIG, GSW and WEG meetings, unless otherwise specified, are from 9:00 to 1:00.
BIG = Beginners and Intermediates Group CNEW = Central NE Woodturners
GSW = Granite State Woodturners Group WEG = Woodworking Education Group
3. For all other meetings or in case of bad weather or other uncertainty, call the Program Coordinator of the Meeting for details.
4. Everyone is welcome at these meetings, call the Program Coordinator of the Meeting for details.

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• Wood Days	Dave Emerson	603-783-4403	efurnitr@tiac.net

Guild Officers At A Glance

1999 Wood Symposium Highly Successful — A Report of the Talks

Understanding Wood, Part II – Bruce Hoadley

Dr. Hoadley gave the opening address to the 70+ attendees, and there was rapt attention from the moment he began. His talk was generally an overview of the contents of his book "Understanding Wood" illustrated with slides.

While I had read his book cover to cover a few years ago, I was delighted to be reminded about some of the basics of wood. He reminded me to consider wood as a once living object, and I found myself thinking about sharpening as he showed slides of the cellular structure of wood. His discussion of the differences between common species was also an excellent overview which clearly interested everyone there. At the end of his prepared talk, he fielded many questions, and it was obvious that everyone had a specific question which he could most likely answer. I cornered him later as did several other members, and only wished he had more time to answer questions. This was a great start to our symposium!

Peter Breu

Rain Forest Update and Other Green Issues – Jack Carr

The whole issue of where the rain forests have gone, is a very complex one. It was very interesting to learn that the lumber industry as a whole is responsible for only about 3% of the total disappearance of the rain forest each year.

There are factors like the slash and burn of the areas that become accessible from the roads built by the logging companies to reach the solitary growing mahogany trees. As the loggers leave an area with the logs the indigenous people are moving into the area to slash and burn and grow crops or raise cattle. What one must realize is that the soil is very poor and after two or three years it is nothing more than a waste land.

The problems are very much political ones where each country sets its own policies. One must understand that change can only begin as each country makes policy changes that protect their own fragile forests.

As for the "Green Issues" here in the United States, the certification that is in place to just say that the wood has been

harvested using sound forest management, seems to me to just add another layer in an already complex issue. We as woodworkers should be responsible for the materials that we use, but I for one am not interested in paying a premium on material just because it is certified.

Richard Batchelder

Harvesting, Sawing and Drying Native Woods – Garrett Hack

Garrett Hack gave an excellent talk on harvesting native woods. He started off by describing an incredible cherry tree from his aunt's home in Connecticut. The tree had three major trunks, each 22 - 30" in diameter and which in total yielded seven saw logs. He obtained 1,500 board feet from this one tree. His slides and wood samples showed some great wood; enough to make any furniture maker drool with envy!

Next, he spoke of the portable bandsaw mill he hires. Typically, one would use a bandsaw or a circular saw to cut boards from the logs. The bandsaw yields the maximum amount of wood out of each log and is his preference due to the thin saw kerf and very little waste. He seldom cuts anything under 5/4 thickness because this leaves plenty to plane out any warping, winding, twisting and so forth. From Garrett's twenty-four acres in Vermont, he will select and cut approximately 5,000 board feet per year. His choice to move or "twitch" logs is a horse because a horse does minimal damage to the forest.

Trees are cut in the winter when the sap is in the roots which yields quick drying logs and less pitch in pine. He then moves the trees to a suitable landing. The logs are piled on the landing using a peavey to roll them. A landing must be chosen with care both from a safety standpoint (lookout for a pile of rolling logs), and accessibility for the portable bandsaw mill.

The bandsaw mill is set up next to the pile so that one or two men can roll the logs onto the saw carriage. He then places his trust in the sawyer to gain maximum yield from the logs. A good bandmill sawyer can cut approximately 1,000 board feet a day.

Next, the boards and plank are

"stickered". A suitable sticking site must be dry, level and have good air circulation as well as some sun. Boards will warp and twist if a flat foundation is not established. Piles 3 - 4 feet wide with wood stickers every 2 - 3 feet are best. Stickers must be in line vertically in the pile to prevent warping. The boards are spread 1/4 - 1 inch apart for air circulation. A sloped, tin roof cover keeps the rain off.

Garrett uses the old rule of thumb of one-year air drying for every inch of lumber thickness, thus allowing three years for 12/4 stock. Air-drying outside yields twelve-percent moisture content. Air dried wood works easier whereas kiln dried wood may develop "case hardening" where the outer part of the board is harder than the core.

The next step involves culling and indoor storage. Sorting for grade takes experience and time. Piles are culled several times. He sells some lower grade wood at a reasonable price to help offset his sawyer fees and other expenses.

The quality of his wood is important as he is looking for consistent grade. Culling the pile is important as this results in the best boards. Basically, he selects the best trees at twelve inches in diameter or better and saws for quality, not width. I'm envious of the 15,000 board feet of lumber in his two barns! He showed us a piece of veneer sawn from a crotch of the cherry tree cut in Connecticut, very nice stuff.

This was an excellent presentation, great job Garrett! Thanks for sharing your knowledge and skill. *Bill Newbold*

Microwave Vacuum Drying - Earle Rich Earle Rich described the design, development and operation of a very original system for drying green wood bowls. Drawing on his personal professional engineering experience, gathering suggestions internationally from various people on the Internet, and using surplus and recycled equipment, he created the present system which is capable of drying a green bowl in less than one hour.

Heating the bowl is performed in a microwave oven, which is fitted with a scale so that the weight of the piece can be monitored continuously and digitally displayed. Once there is no further weight loss, the drying is completed.

1999 Wood Symposium (continued)

The drying process is enhanced by a vacuum system, which not only removes the moisture from the oven, but also lowers the temperature at which water vaporizes. In effect, the wood is being steamed which results in softening of the fibers and relaxation of stresses. The evacuated moisture is condensed in a column with circulating ice cold water which is cooled in a small refrigerator. Without such a condensation trap, the vacuum pump and its lubricant would be in trouble.

The system is now well developed and operational and is being used by Jack Grube in the woodworking shop at Pinkerton Academy. A series of empirical trials have been made on bowls of different dimensions and wood species.

Anyone wishing to construct a vacuum dryer for their own use may contact Earle Rich at erich10983@aol.com.

Note: Earle is tentatively listed as a presenter for our Turning Symposium next May.

Ed Epremian

Wood acceptance and success in the retail craft market - Arthur "Tripp" Grohe

Grohe

Mr. Grohe's family has been successful in the Crafts market since 1978. Tripp's father started the family business after restructuring from corporate life to a venture into a retail crafts store on the Cape. The store setting evolved from Rustic to Gallery (museum). The business has searched for Crafts people on a group basis. After two years on the cape, a store was opened in Boston, followed by a venture into the Chestnut Hill Mall. In 1996, another store opened in Westport, Connecticut. By connecting the face of the artist to the piece on display, the Grohe family has made the connection of artisan to consumer. By establishing the history and talent behind each piece the customer tends to bond with the artisan.

The lecture raised the question: where does functional furniture end...and art start? The pieces presented were unfamiliar to many in attendance, with the exterior painted treatments the focus, as opposed to the types of wood and joinery employed. Be that as it may, one cannot deny that the pieces presented do sell...and there is a market for woodworking as art.

The test of time will be the judge of arts and crafts work...just as the test of time will gauge the success of current studio furniture.

Tripp Grohe made the case for markups in Gallery marketed pieces. Most items are purchased at wholesale...50% of Retail prices. For example, a Jewelry box purchased for \$200 would retail for \$400. The marketing expenses of Gallery Operations are extremely high when considering retail space, staffing, fringes, and operating expenses. He pointed out that far too many crafts people place too little value on their time when out of the shop. He said many artisans try to sell at retail levels, but run up steep costs for attending shows, etc.

According to Grohe, Furniture is taking off, and small boxes are always good sellers.

Geoff Ames

NH Forests - Ethan Howard

Ethan Howard is the watershed forester for Manchester Water Works, and he presented the results of the 10 year statewide inventory of the New Hampshire forests. These results have just become available, and by his own admission, they have not been scrutinized, and present a somewhat confusing picture of the state of the forests.

As the old joke goes, there is good news and bad news. I left the presentation shaking my head at the confusion, but with many interesting facts to consider. I will certainly view our forests differently than I have in the past. Clearly, a forester sees the forests differently than a furniture maker, and it is good for me to have a more general view of the forests.

Among the many interesting things I learned, here are a few which may interest you:

- The ice storm last winter has now left the forests very susceptible to fires.
- As a percentage, NH is the second most forested state in the US (ME is first).
- NH has 72 native tree species making it one of the most diverse forests in the US.
- 200 million bd. ft. are cut annually but due to forest improvement, our forests are increasing in bd. ft. volume by the same 200 million bd. ft. annually
- 71% of productive timberland in NH is privately held land, only 18% is public

I encourage you to view the tape of the session if you missed it, and perhaps get a copy of the report if you want to better understand our forests.

Peter Breu

Veneered and Figured Woods - Jack Carr

Jack Carr explained that the market is getting more selective and demanding in its specifications for veneered and figured woods as the amount of high quality logs decreases. Color selection in both manufacturer and end user buy-

ing is becoming more important

For example, the best cherry comes from western Pennsylvania and lesser quality from the Midwestern Appalachians. New England has the best hard maple color and West Virginia has the widest maple boards and quilted maple is obtained only from the western forests.

However, most of the large old growth timber has been cut. Large, high quality, cherry and figured maple logs are bringing premium prices for veneer, and high quality wide boards are hard to find. Consequently, furniture makers are either using veneered plywood or are demanding that narrow lumber be selected and matched for color so that wide boards can be edge-glued without serious color mismatch.

This applies to other species as well. Clear finished, quarter-sawn oak stiles and rails are the current trend in boats and kitchens. There are currently seven color grades for oak lumber ranging from wheat to peach, and each board in each lot shipped must match. Specification of color grades is most common on the West Coast, but is rapidly becoming a requirement with Eastern and Mid-West furniture manufacturers.

There is also a trend toward using imported "exotic" woods in place of traditional North American hard wood lumber.

To meet furniture industry needs all over the country, Black Mountain handles wood from every continent and supplies both lumber, and edge-glued and veneered plywood panels which they can make to specification and ship on short order. There is no minimum order - 1 piece to a truck load and custom panels may be obtained in 2 days.

Roy Noyes

The Editor's Corner

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The next newsletter will be mailed about September 1, 1999.

Granite State Woodturners News

Richard Batchelder

President

Tel: 603-744-9993

E-mail: rwb@cyberportal.net

Our April meeting was held at *Pinkerton Academy* with 35 people in attendance. Many thanks to Jack Grube for providing the space. The subject of the meeting was "Grinds" and I hope that people left the meeting with at least a little better understanding of the shape of their tools (See chart below) and how this affects how they work.

On May 15th, Bruce Hamilton hosted a meeting on Finishes at his shop in West Newbury, MA. Bruce started with an in-

formal survey to establish the importance we each placed on protection, durability and appearance. The first portion of the meeting covered how the species/color of wood (i.e. walnut v maple) affect finishing, sanding, the use of rake lights to locate scratches, and finishing options. During this portion of the meeting, Roy Noyes shared his professional experience in explaining how light affects what we see in a finish.

During the second portion of the meeting

Bruce applied finishes to a number of turned pieces. I'm sure that Bruce persuaded others than myself to use more shellac.

The July 17 meeting will be a Critique Meeting with Kay Shumway at her shop in Etna, NH???

We have begun the process of setting up the next Woodturning Symposium. It is tentatively set to take place at Pinkerton Academy on May 6th, 2000. Be looking for updates in the Old Saw.

Video Library News

Jack Grube

Program Coordinator

Tel: 603-432-4060

E-mail:

I put together a short introduction for the Symposium videotapes using the digital images I took that day. It was fun and I would like to do it more often. However, I need music. With so many musicians in our group I am hoping that some of you will consider offering some of your work for this purpose. If you are, please contact me.

New Wood Symposium Titles are:

Understanding Wood, Part II

Dr. Bruce Hoadley

Rain Forest Update and Other Green Issues, Jack Carr

Properties, Alternatives and Figured Wood & Veneer (He combined two topics), Jack Carr

NH Forests: Wood In Those Trees?

Ethan Howard

Results in a hurry. Green wood to finished bowls in an afternoon., Earle Riche

Wood's Acceptance and Success in the Retail Craft Market, Arthur "Tripp" Grohe

Harvesting, Sawing, and Drying Native

Guild Exhibit Errata

Due to a quirk in the Editor's computer software, the following exhibitors were inadvertently left off the report on the Seventh Annual Guild Exhibit in the Last Old Saw.

Charles Sheaff, North Swanzey, NH

Woven Bowl and LVL Pie Bowl

Loran Smith, New Durham, NH

Federal Style Looking Glass

Trip Stiles, Andover, NH

Shaker Writing Desk

Grant Taylor, S. Acworth, NH

High King's Chair

Nicola Taylor, Milford, NH

For Jane Doe Sculpture

J. David Wachnicki

Windsor Settee and Pair of Spokeshaves

Our sincere apology for this unintentional oversight.

BIG Meets at Lou Yelgin's Shop on Building Canoes and Kayaks

Many of you will remember seeing Lou's beautiful strip canoe at Wood Day. Building a Canoe with Lou Yelgin was the subject of the May 1st BIG meeting. Sitting elegantly in Lou's garage was a beautiful canoe he had built a few years ago. The meeting was great motivator for us, as Lou explained that he took 2-300 hours to produce it. Even twice that would be a reasonable investment, if such a beautiful craft was the result.

First, Lou described the many methods of

canoe construction such as edge routed and glued cedar strips, cedar riveted to a mahogany frame, frame and covering such as canvas, fiber-glass, etc. His demonstration was based on the frameless, lap-strake method which produces a light weight, strong boat. The skin was a marine grade plywood, 4 mm thick, produced in Israel from African Okuma wood. Four by eight sheets cost about \$45.00. The strength of the shell comes from gluing together 1/2" over-

laps of the strakes.

Plans are available separately or included in books on the subject such as G. Thomas Hill's "Ultra-light Boat Building" or Susan Van Leuven's "Canoe Building". Full size plans cost about \$50.00. The first step is to create station frames on which the boat is actually laid-up. These are set up on a full length fixture that holds them in the proper relationship and serves as a sturdy work support. The stringers are attached at the loca-

BIG Canoe Meeting continued on page 7

BIG at Howard Hatch's Shop – June 5, 1999

Jigs & Fixtures

The next Big meeting will be June 5, 1999 at Howard Hatch's. Howard is a Guild and League member as well as a Furniture Master with over twenty five years experience as a woodworker. He completed his schooling at RIT where he studied under Jere Osgood as well as many other notable people.

Howard produces mostly chairs and ta-

bles in limited production runs increasing his knowledge and design of jigs and fixtures. This is a workshop worthy of attendance of advanced as well as BIG members.

Directions to Howard's shop:

From I93 at exit 23 take Rt. 104N to Meredith where you will take Rt. 25N to Rt. 16N. Stay on Rt. 16N until you go

1/4 mi. past a Subaru dealership just outside of Conway. There you will turn left onto Bald Hill Rd and go 1 mi. where you will turn right on to Chase Hill Rd. Go 1 mi. to the Darby Field Inn. 100' past the Inn turn left onto a gravel drive, go 500' and you will be at Howard's grey workshop. Howard's shop is about 1:45 driving time from Concord.

Lost? call Howard (603) 447-8486

BIG Canoe Meeting (continued from Page 6.) Final Inspection of Planes

tions where the eventual strakes will be located. At this stage, the fixture resembles a canoe frame, though nothing here will be on the final product!

The first pieces assembled are the stems and keelson of clear spruce which are glued to each other and then clipped to the fixture. In order to glue the strakes in place, this assembly has to be carved to a shape that will provide a matching surface. Lou showed us a modified Stanley 78 block plane with an outrigger attachment. With the outrigger riding on the first stringer, he planed the keel/stem assembly to shape.

Next, the garboard strake is laid out and cut with 1/4 to 1/2 inches of excess stock. The second strake is also laid out before the first is fastened so the stringer can serve as a guide for the layout. Lou cuts the strakes to the rough shape using a jig saw with a metal cutting blade to minimize splintering. The first strake is clamped into position and a final trim line to the center of the keelson is marked and cut. This cut is just short of mating to the center. After both garboard strakes are assembled, the small gap is filled and later covered by bronze trim.

Epoxy glue and bronze 3/4-8 ring nails on 6"

centers are used to fasten the strake to the keelson. Bronze screws are used at the stems. Excess glue can be cleaned up with white vinegar!

The strake is quickly cut to the final shape using a router and a trimming bit that follows the stringer except at the extreme ends. These are finished by hand.

Now the strake can be planed by the same modified block plane to provide the 1/2 underlay for the next strake. Unless you are building an eight foot boat, you need to create long strake laps. Lou does this with 8:1 scarf joints.

A very interesting session that gave us the flavor of such projects as well as the itch to try it our-

BIG Meets at Geoff Ames Shop for Cabriole Leg Demonstration

About 30 members of the BIG group filled Geoff Ames shop on April 3rd which unfortunately overwhelmed his shop and changed his plans. He had hoped to have everyone work through a leg, and was extremely well prepared for that.

In the end, he walked us all through the making of a leg, and anyone who wanted to, had a chance to practice some of the steps. With the help of Jon Siegel turning the pad, and John Gunterman using a spokeshave, we had a wonderful presen-

tation that inspired us to go make a leg or 4! We were particularly impressed by his patterns which help to keep the three dimensional elements clear.

Along with Geoff's detailed Cabriole Leg Demonstration, we saw the current progress on the Queen Anne Chairs for the demonstrations at *Wood Day* at *Canterbury Shaker Village*, and *Wood Week* at the Annual League Fair at Mount Sunapee State Park.

Geoff had obviously prepared well for the demonstration. In addition to the

shop being spotlessly clean, he had written material detailing each step, and samples of each stage of the process for the members to try their hand on. For something as complicated and elegant as a cabriole leg, Geoff's presentation made it as simple as planing a board!

All of us thank Geoff and his lovely wife for a great day and a chance to see the house they built and all of the antique reproduction furnishing that they have made.

.Peter Breu

WEG Meets at Geoff Ames Shop

The Woodworking Education Group met on Apr 3rd at Geoff Ames home. We are exploring funding sources for a traveling wood turning demonstration show for next year. Lathes, tools, material and turners would be available to interested schools in NH.

The group does not have a date set for their next meeting. Contact me at 603-432-4060 for more information.

The Education Group would like to query Guild members for the purpose of establishing a "Speaker's Bureau". Members of the

speaker's bureau may be contacted to speak or demonstrate at schools, guild meetings, or to other groups who contact the Guild. If you prefer contact me by E-mail jackgrube@aol.com and a copy of this form will be e-mailed to you.

Jack Grube

Member Spotlight on Jack Grube

Eric Feldborg Assistant Editor

603-726-4077 lauraneric@linwoodnet.com

Jack Grube was born and raised on the South side of Chicago where the smell of the Stock Yards often accompanied him to school in the morning.

He graduated from high school in 1970 and "knew" that he wanted to be a pharmacist. After two years of Pharmacy School, he found that he did not want to be a pharmacist.

In 1973, Jack transferred to *Northern Illinois University*, and decided that a major in Industrial and Traffic Safety was a good career option. Since Safety was only offered as an undergraduate major he was forced to declare a major.

Industrial Arts Education was on the next page in the catalog; and he had enjoyed wood working in high school. Therefore, he told his very surprised advisor that his major would be IA Education. However, until 1989, Jack never expected to use his teaching certificate in IA.

Jack completed his MS Ed. in Safety in 1976 at NIU and was offered a position at *Keene State College* in the Highway Safety Center. Then, from 1977 to 1987,

he was Coordinator of Driver Education at *Pinkerton Academy* and also taught Driver Ed for *Northern IL University*, *Keene State College*, *The Motorcycle Safety Foundation*, and *New Hampshire Technical College* in Manchester.

In 1986, after 10 years in education, he left and took a job as project manager for a high-end residential builder in Derry. However, the 1989 recession forced him to leave the residential building business. Fortunately, *Pinkerton Academy* had an opening in woodworking and offered him the job of Wood Shop instructor, he said "yes", and his love for both teaching and working with wood were finally united.

In 1994, Roy Noyes, a Trustee at *Pinkerton*, told Jack about *The Guild*. Jack had a real need to learn more about woodworking. He had exhausted the Woodcraft workshops, and was tired of reading about woodworking in books and magazines, so *The Guild* sounded pretty interesting.

He attended a few meetings and most of you know the rest of the story. Jack and was the first coordinator for BIG. Last

year he became Program Chairman when Ed Epremian resigned. He is also one of the founders and very active members of GSW.

He is a Steering Committee member, works for Wood Days at *Canterbury Shaker Village* and helps out on the Guild Booth at Wood Week at Sunapee.

He is a member of the Association of American Woodworkers and a Director of the **American Millwork Manufacturers??**.

Jack credits *The Guild* with being a valuable resource and a major component in the transformation of the woodworking program at *Pinkerton* into one of the most successful in the country..

Jack has been married to Dianne; a teacher in Salem, since 1983 and they have two children. Daniel is 12 and Erin is 9.

Every *Guild* member knows Jack and we all thank him for the contributions that he is making to the great programs that each of us enjoy.

Guild Web Site

John Gunterman

Web Master

In an effort to help give the Guild more of a presence on the Internet, I have agreed to help develop a more formal Web Page for the Guild. As any Web Master will tell you, no Web Site is ever truly "finished." Thus, I will give no completion date ;-). However, I plan to

have a working version uploaded in the next few weeks.

In the interim, I would like to compile a list of members who wish to have their Web Pages and/or E-Mail addresses listed in a "Member Directory". I encourage anybody that has a Web Page

E-mail: Spokeshave@mediaone.net

to send me their (preferred) E-Mail address and the URL to their site and I will add you to the list. Please E-Mail me at spokeshave@mediaone.net or gunterman@cabletron.com.

Wandering the Woodworking Web with Roy Noyes

Web site www.custompak.com is a very interesting place to browse. Custom-Pak is a major supplier of adhesives and their site contains technical information on a wide variety of woodworking glues. Although we tend to think of white and yellow PVA glues as single items there is actually a whole family of PVAs for woodworkers. Some set up more quickly, others have longer open times for use when doing complex assemblies, still others are stronger and more resistant to water.

This site is a good place to go to learn more about the important subject of adhesives. It is also an excellent gateway with links to about 20 other sites which they call "partners." Partners include suppliers of wood products such as veneers, tool and hardware companies, publications, and The Wood Web which is an excellent source for all aspects of the wood products industry.

www.certainlywood.com is the web site for a major supplier of veneers. Anyone in-

terested in working with veneers will want to visit this site and browse the pictures of the various veneers before starting their next project.

www.inlays.com is a good place to look for inlay banding. The banding is shown with full color pictures as well as descriptions of the woods used.

Aspen Grove's web site www.aspencolor.com details an interesting process where they inject dyes into living aspen trees and then later harvest

The Guild Tours Lie-Nielsen and The Center for Furniture Craftsmanship

Cal Louks

Coordinator

Tel 603-893-8286

On May 5th, 30 members of the Guild took the day of and car-pooled to visit the *Lie-Nielsen Toolworks* in Warren, ME and *The Center for Furniture Craftsmanship* in Rockport, ME. It was a repeat of the trip Guild members took two years ago and just as enjoyable, even for those who went before.

The first stop was for lunch at the *Taste of Maine Restaurant* on Route 1 just beyond Bath. After our fill of seafood, we continued to *Lie-Nielsen* plant for a tour guided by *Tom Lie-Nielsen* and *Andy Anderson*, where we saw the design and manufacturing process from beginning to end. One major difference from two

Lie-Nielsen has purchased the tenon and cabinet back-saw business of the *Independence Tool Company* and now makes saws as well as planes.



Final Assembly of Low Angle Planes

Photo by Pete Boorum

just getting into production on the *Independence Saws*, the saws we ordered won't arrive until next month.

Next, we drove the few miles to *The Center for Furniture Craftsmanship* in Rockport for a tour guided by *Executive Director, Peter Korn*.



Discussion of a Veneered Top on a Bent Lamination Base

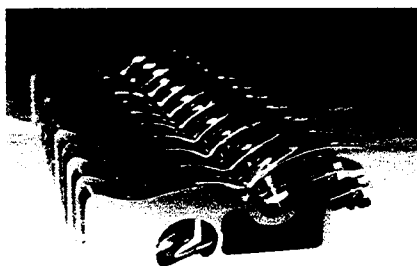
Photo by Pete Boorum



Learning About Pattern Making

Photo by Pete Boorum

years ago was the fact that *Lie-Nielsen* is no longer doing their own bronze castings. Tom explained that their volume has gotten so large that they either had to put in a major investment in a new foundry or find a suitable vendor. The final decision was also based in part on the difficulty in finding trained foundry workers will to do a hot and heavy job. The new foundry is automated and can delivered the needed high quality castings in any volume needed.



Rabbit Planes Ready For Shipment

Photo by Tony Immorlica

After the tour, we had an opportunity to test all of the planes and saws in the sales room and pick the beauties that we wanted to buy. Under a group purchase we received a 15% group discount and the items were sent to my house in Salem, NH for pickup so there was no sales tax.

Amazingly 13 of the planes arrived on my doorstep just two days later. Because they are

A twelve week intensive course was just finishing up that week and we had an opportunity to see not only the facility but the work that had been designed and made by the twelve students.

The forty-two hundred square foot facility consists of a bench room, a classroom and a well equipped machine room.

We were particularly impressed by the quality of the bent lamination, steam bending and the veneering projects of several of the students, which required building special jigs and fixtures and developing new techniques. It certainly was an impressive school in every way!

Editor's Note:

Thanks to Pete Boorum and the pictures from his digital camera, and to Tony Immorlica and the pictures from his conventional camera. We can use either type in the Old Saw.

Classified Ads — For Sale

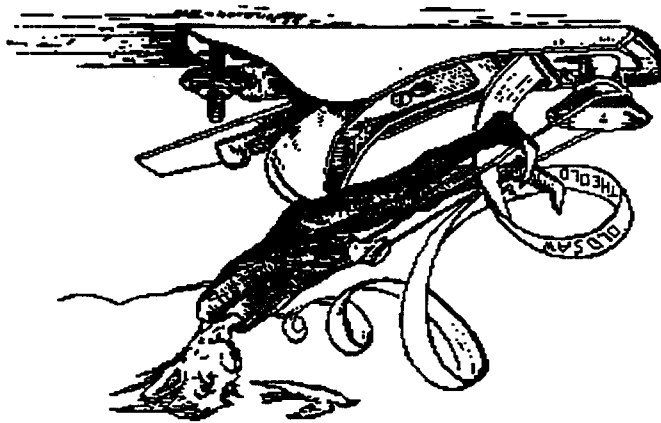
10" General Table Saw w/stock fence \$995 or w/50' Fence \$ 1250
18" German Band Saw, 4 speed, fence, miter gauge, lots of extra blades \$ 1250
15" Planer, dust hood, stand, extra blades \$ 700
Delta wet/dry grinder, 2 wheels (1 slow speed) \$ 100
Mike Fonner Tel 603-529-0063

with stand and an extra set of knives.
Dick Sargeant Tel 603-425-7742
Basswood 300 - 400 bd. ft, 3" thick air dried 2 years \$ 150
Bob Bower Tel 603-456-2319
Sandstar 757 wide belt sander, 37" w by 75" belt pneumatic tensioning. \$ 4,500 or b/o
Bruce Tel (603) 497-4637.

and solid wood top \$ 50
Adjustable drafting table desk combination, Almond color \$ 150
1 hp Delta shaper \$ 250
Bob Martel Tel (603) 627-1104
Delta 40-150 15 inch scroll saw. Like new. Cost \$130, \$ 65.
Tony Immorlica Tel (603) 673-9629
Work. (603) 885-1100

Old Delta 6" jointer, 32" cast iron bed

Grey metal drafting table with drawer



Established 1990
The Guild of New Hampshire Woodworkers

Notes of the Steering Committee Meeting

The Guild of NH Woodworkers
The *Old Saw* Newsletter
178 Derry Road
Chester, NH 03036-4311



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