Hello! I was elected at the annual meeting in Canterbury, and I'd like to take a minute to introduce myself. First, you've elected another president with a German heritage, and my name is pronounced as if it were spelled BROY. And, like Jack Grube, I taught school for a number of years (English and German.) Woodworking is mostly a hobby for me, but I aspire to be a full time, professional furniture maker. I'm hoping that if I attend enough Guild meetings the inspiration and information I find will take me there!

Of much greater importance to you however, are my goals for the Guild. Simply stated, I hope that every meeting I preside over will be fascinating, inspirational, educational, and make you itch to get back to the shop. I vividly remember several such meetings in the past few years, and I am very excited about the meetings we have planned for this year, and are considering for the coming years. I hope that you will make suggestions to the Steering Committee so we can best serve your interests. We have a number of great programs in place such as the Turning Symposium, Scholarships, Sunapee Fair, Toys for Tots, and the Juried Show, and I hope to make each of these strong and vibrant.

I must thank the officers, Steering Committee, and particularly Jack, as I am taking on a job that is already very well organized with a yearis worth of meetings clearly planned. I hope that I will be able to match Jack's energy and enthusiasm as president.

And, lastly, I have a request. We still need to fill several positions for this year. We are missing a Vice President, Program Chairman, and Sunapee Coordinator. If you would like to help, please contact me or the other members of the Steering Committee. I hope you had a great time at a small meeting (any suggestions for other topics?) and see you in November at Dana Robes. I look forward to a great year!

Peter Breu
# 603.647.2327
peterbreu@attbi.com

Toys for Tots
By Venera Gattaloni

GIVE YOUR GIFT AND LOVE OF WOODWORKING TO A YOUNGSTER

REACH OUT TO YOUR COMMUNITY!

Come meet and play with other members of the Guild and the Seacoast Woodworkers at Homestead Woodworking School on October 26th and November 23rd at 9am. There will be coffee and donuts and a fun filled day of making trains for children at a Safe Place, St.Charles Children's Home and the Forest Park Community at the University of New Hampshire.

The toys for tots program is proceeding well. Students from Pinkerton Academy have made the train bases and some members of the Guild have volunteered to make the caboose and train parts, but we are still looking for some volunteers to contribute to making the remaining toy trains.

For those of you who do not like big crowds and enjoy the comforts of your home shops, but would like to make toy trains, I can get you some train bodies with wheels and some plans and you could build the train cars at home.

Please contact me at 659-6372 or at veneravmg@hotmail.com.

At the moment the Guild of Woodcarvers has volunteered to make 25 cars, some members of the Guild of Woodturners have volunteered to make 24 cars, and we have 40 left to make, but we are not limited to that amount. The seacoast woodworkers club has also said they would be willing to make some trains. If you have any ideas or suggestions please let me know about them.
November Meeting
By Peter Breu

November 9th at the Dana Robes Shop, Enfield, NH

On Saturday, November 9th will be the next full Guild meeting, and finishing will be featured. Terry Moore will spray nitrocellulose lacquer, Bruce Hamilton will discuss his use of catalyzed lacquer, and a Dana Robes finisher will show how they spray Danish Oil. This promises to be a great meeting!

We will start at 9am with the Christmas sale (see related article on page 6 by Peter James.) There will be an open discussion of finishing lead by our presenters before lunch. If you have ever seen Terryís work, you know that his finishes are as perfect as they come. Bruce is a professional refinisher (who also give classes on finishing) see the article on the Guild Series classes at the Homestead School) and is a wealth of information. Dana Robes has a high volume spray booth which they use for spraying oil ñ an unusual method, but which produces great finishes for them. The Dana Robes shop hosted us last year for the bandsaw meeting, and it is worth a visit by itself! If you want to learn more about Dana Robes you can visit their web site at www.danarobes.com. Come and learn more about finishing with a spray gun!

Directions to Dana Robes:

Take exit #17 off I-89 and go east on route 4 toward Enfield. Proceed for 2 miles to the intersection of route 4A. Take a right on route 4A, and proceed 3 miles. You will see the Shaker Village on the left. Dana Robes building is the second one on the left after the Inn. Their address is Rte. 4A, Lower Shaker Village, Enfield, NH, 03748 #603.632.5385

Program Coordinator
Peter Breu
peterbreu@attbi.com
#603.647.2327

Annual 2003 Juried Show
By Marty Milkovitz

Our 2003 Juried Show will be held at the famous Mt. Washington Hotel in Bretton Woods in White Mountains. The exact dates of the show have not yet been finalized, but it appears as though it will be in late summer or early fall. At any rate, it will not be before June. The Hotel will not be finalizing their schedule for the latter half of the year until Nov. Strawbery Banke museum in Portsmouth has also expressed a strong interest in hosting our show, but as of yet (Oct 1) has not committed to do so. The museum will be opening a new gallery on State St. in May.

If possible, I am going to try for both locations for the 2003 show. If not, then the 2004 show will likely be at Strawbery Banke Museum. During Oct, by the time you read this, I already will have met with the Events Coordinator and Sales Department of the hotel to work out all the details of the show. As soon as I have more solid information I will be sending out a formal request for a Call for Entries.

So there you have it!

I have given you an approximately 10 months lead time, so the excuse I didnít have time to build anything just wonít hold. Donít make me call and Nag!

North Bennett Street School Open House

On Friday November 1, (10 AM-2PM) and Saturday November 2, (10AM-3PM) the North Bennett Street School in Boston will be holding its annual Open House.

This is an opportunity to visit the eight programs of the school including: Cabinet and Furniture Making, Preservation Carpentry, Violin Making and restoration, Carpentry, Piano Technology, Jewelry Making, Bookbinding and locksmithing.

Students from each of these departments will be working on projects and instructors will be available to answer questions.

The school is located at 39 North Bennett Street (1 block down from the Old North Church) in the north end of Boston. For more information contact their web site at nbss.org or call them at (617) 227-0155
October Small Meetings

Dovetailing Demonstration
By Rod Swanson

On October 5th, eight Guild members attended Steve Marcq’s small-group dovetail demonstration.

Steve not only showed us how he tunes up his saws, but he also tuned up saws which members had brought with them. The demonstration took on a hands-on approach as each of us was able to try different saws which varied in price from $12.00 to $125.00. He demonstrated various layout tools and explained the advantages and disadvantages of the various tail ratios.

In addition to explaining and demonstrating the cutting of both through and half盲 dovetails, Steve explained various techniques for correcting mistakes. He also explained wood movement, grain orientation and discussed the age-old debate of whether pins or tails should be cut first. While he cuts the tails first 99% of the time, he suggested the right technique is the one that works for each individual.

The demonstration was very informative and proved useful information.

I am certain each of the attendees join me in thanking Steve and his wife, Pauline, for their hospitality.

Highland Hardwoods
By Brian Sargent

I would like to extend a special thanks to Highland Hardwood for hosting a very well received tour of their facility and to Ted Blachly for sharing with us how he individually selects his wood and what he looks for in wood for each project. Twenty-one people attended including Al Mitchell’s ten-week woodworking class from the Homestead School. Those in attendance provided very positive feedback on the day’s presentations. Coffee and donuts were served at the start of the morning event.

The impression that one came away with from the day’s tour is that Highland Hardwood goes to great lengths to purchase and sell the best quality lumber. Over the years Highland has found a number of select mills that have consistently high quality cutting and grading lumber. Highland buys their lumber green from these mills and then ships it to one kiln in Massachusetts for drying. This further results in a consistent quality of wood.

Highland acquires their lumber from all over the United States thereby assuring a good selection of native wood species. Rick Lange has thirty-three years of experience in the trade and he knows the reputation of his lumber sources. He will purchase from new mills only after asking a lot of questions. The exotics are purchased through other vendors and not directly from the mill.

A tour of the lumberyard showed enormous stacks of wood in various buildings and included a discussion on the grading process. Highland sends their graders to school to ensure consistent quality grading standards.

Following the tour of the lumberyard, Ted Bachly gave a presentation on how he individually selects wood and what he looks for in his wood based upon the specific project. Ted shared with the attendees the sequence of steps he goes through. He discussed figured woods and talked about how changing the direction of two boards can change the color of the wood. It was a very enjoyable and informative talk.

I again would like to thank Ted and Rick for very informative presentations.

Toolmaking for Woodworkers
By Ken Kuster

The toolmaking demo focused on the 3 heat treating aspects that are required to fabricate most woodworking tools. The three areas are:

Annealing this is the process of heating the steel stock above the critical temperature (approximately 1600 degrees F) and then cooling slowly.

Hardening the first step of hardening is also heating to the critical temperature and then rapidly cooling in either a water, brine or oil bath (old time blacksmiths were know to use common horse byproducts).

Tempering since the hardening process can result in a tool edge that is prone to chipping, tempering is the process of heating to a much lower temp, (ranging from 400 to 600 degrees) and then cooling.

Although tool forging is commonly associated with a coal fired forge, a small home built gas fired forge burning propane gas was demonstrated. Although the coal forge does provide the ambience of the past, the coal forge requires a suitable chimney, generates black dust, is not as portable as a gas forge and costs more than a gas forge. The gas forge can be easily built from scrap pile angle iron, a surplus metal container or large diameter pipe and common hardware store plumbing fittings. The two main purchased items are an adjustable gas regulator (around $35) and a small piece of refractory insulation ($10). A product called KAOWool was used for the forge to line the inside of a surplus Freon tank accompanied by a high temperature firebrick. The gas jet is a simple - a #58 or #59 drill hole through a inch pipe stub. Further details on hobby type gas forges can be easily found by web searches.

In addition to the forge, an anvil and tongs are needed for tool making. Anvils can be purchased for $1 to $3 per pound. Alternatives such as railroad track sections can be used if securely mounted. Beginners will need a small number of tongs, but barn sales prices are around $5 to $10 each.

Members were cautioned to not use any gas fired forge in their homes or any basement type workshops since propane is heavier than air and will not dissipate.

Forging consists of 5 basic operations drawing, cutting, upsetting, bending and punching.

The drawing operation is commonly used for forming a tapered tang on a chisel or forming the blade on a adze.

For toolmaker wannabes without a (continued on Page 11)
February Meeting at the Society for the Preservation of NH Forests
By Andy Young

The Guild will meet in Concord at the Society for the Protection of New Hampshire Forests (SPNHF). Dave Anderson, SPNHFís Director of Education, will present the slide show Forests Forever which is an introduction to the Society and its history. He will also discuss the state of New Hampshireís forests as they relate to the Societyís focus and perspective.

Dave Anderson is responsible for the design, development and delivery of a statewide curriculum of conservation education to Forest Society members, conservation partners and friends. In promoting the Societyís dual role as a land trust and forestry organization, Dave leads field trips which showcase the land protection, public policy, forestry and land stewardship efforts of SPNHF. Also, Daveís monthly column In the Woodsí appears in the Sunday Concord Monitor.

After Daveís presentation, he and Paul Le-deille of SPNHF, will split the group in half for a guided tour of the Societyís wood passive solar addition.

After lunch, three Guild members will present their unique ways of working with local woods. First up will be Grant Taylor. Grant has been a professional woodworker since 1975. A founding member of the Guild of New Hampshire Woodworkers and a state-juried member of the League of New Hampshire Craftsmen, Taylor studied in the United States with master woodcarver Art Ritchie of Keene, New Hampshire, and in Connemara, Ireland with furniture master Al OíDdea. He also has attended the Celtic College in Goderich, Ontario, to study the design and construction of Celtic knotwork, spirals and key patterns.

Taylor has combined his training of carving and Irish design to make traditional Celtic and Celtic-inspired furniture since 1981. He also makes and plays Celtic harps. He works alone in a stone studio that he built in South Acworth, New Hampshire.

Additional presenters will be announced in the next newsletter.

Agenda
10 am SPNHF presentation by Dave Anderson
11 am Passive Solar Tour split into two groups led by Dave Anderson & Paul Le-deille
11:30 am or later Lunch Break

Members can brown bag or go to a nearby sandwich shop

1pm-1:45 pm Guild presenter, Grant Taylor on the uses of NH wood from his perspective as a main stream woodworker focusing on millwork and furniture.

1:45 to 3 pm Two other Guild members will present their unique uses of local woods

Directions
The Society is located at 54 Portsmouth Street in Concord, New Hampshire.

From Interstate 93: Take Exit 16. At end of exit ramp, make a right. Follow brown and white Conservation Center signs to the Center.

From Interstate 393: Take Exit 2 onto East Side Drive. At exit intersection, make a right onto East Side Drive. Follow brown and white Conservation Center signs to the Center.

From the West: Take Interstate 89 to Ext 1. Get on I-93 heading north. Take Exit 16. At end of exit ramp, make a right. Follow brown and white Conservation Center signs to the Center.

Guild Series Classes at the Homestead Woodworking School

The Homestead School continues with this fallís Guild Series classes which allow members to learn more about techniques demonstrated at our meetings.

Steve Marq will teach hand-cut dovetails Saturday, November 2 (9am-3pm.) as a follow on to the October Small Shop series. After our finishing meeting in November, Bruce Hamilton will teach a seminar on finishing Thursday, December 5 (7-9:30pm.)

These are great instructors and an opportunity for íhands oní experience!

Contact the Homestead School for pricing and details call 603-659-2345, woodschool@attbi.com or visit their website at www.woodschoolnh.com

Scholarship Names

Announced at the September Annual Meeting by outgoing Guild President Jack Grube was the naming of the two large Guild scholarship awards.

The official names or the two major scholarships awards are now the iRoy Noyes Scholarshipí and the iPeter Bloch Scholarshipí that recognize the leadership and multi year efforts of both members to the GNHW mission.

Congratulations to Roy and Peter!
Period Furniture Making  
By Dave Andersen

Saturday September 14th saw the Guildís period furniture group meet at Dave Andersonís shop in Chester. This new group, organized last February, is oriented toward furniture produced before the 1840ís when the industrial revolution took hold in America. Members started the day with a shop tour of Daveís bench and machine rooms before settling into the bench room for the main part of the meeting.

Members covered their progress on personal projects since the last meeting in June at Lester Huckinís. Ed Jones brought the prototype of a folding cabriole leg round top table like the one shown in Vandalsí book. John Watson brought parts of his Queen Anne side chair and the corresponding templates. Paul Miller brought and displayed his completed maple console table in Daveís living room. Chuck DiArrezó had drawings and some of the parts of a tall pedestal table he is building. Other members discussed their progress on a variety of endeavors including a dressing table (low boy), and a high chest.

Geoff Ames, the group organizer and mentor, covered more fixtures and jigs and showed a piecrust mahogany table top he has under construction. Of particular interest was the evolving discussing on methods of producing sliding dovetails for a pedestal table base. Dave Anderson handed out a bibliography of books on period furniture he acquired at the Society of American Furniture Makers meeting in Lancaster, Pennsylvania in August, and a full scale set of plans for the reproduction Colonial Williamsburg bow saw he made at Wood Days in Canterbury this past June.

The next meeting of the Period Furniture group is scheduled to meet at Paul Millerís shop in Chester at 9:30AM on Saturday, November 16th. Those with a serious interest in building 16th thru early 19th century furniture are cordially invited to attend.
Shop Shavings
By Garrett Hack

Itís All In The Details

If a piece of furniture is like a good meal, the details are the herbs and spices, a fine wine, a rich dessert. Without the details the dinner will be just as nutritious -- the furniture just as functional -- only maybe not quite so enjoyable.

I like to think about designing furniture and details in a similar way. From across the room a chair might attract your attention by its shape, proportions, or color. Moving closer reveals the details. Maybe it's an inlaid line along the top of the crest rail, square ebony pegs locking joints, or beads run up the rear legs. Sit in the chair and perhaps day dreaming one day you run your fingers along the underside of the seat rails and you feel another less obvious detail -- a chamfer cut along the inside and outside edges. Any one of them could be missing and the chair might be just as comfortable, but each of the details adds to the whole.

The challenge is not finding details you like -- they are everywhere you look -- but using them in a way that enhances rather than clutters your design. The details need to be unified with the design and each other. Don't give your viewer so much variety that they feel confused and overwhelmed. Think of the details as variations on a theme, made from similar woods, colors, patterns, repeating shapes, or scale. Design details that work for you; hiding joints, smoothing transitions, softening edges, or drawing the viewer to what you want them to see.

One of my favorite details are beads, especially the finely proportioned ones cut with hand tools. Cut into an edge they are known as side beads; applied to an edge and proud of it they are called cockbeads. The ever-practical Shakers used sidebeads everywhere. Beads are one of those details that can do a lot for you. They round an edge, such as along the bottom of a table apron, so it's more comfortable to slide up to the table. A smoothly rounded edge is also less apt to be damaged and disfigured by the wear and tear of time and carelessly slid in chairs. And a sidebead or cockbead (especially of contrasting wood) creates a strong visual line along the bottom of the aprons, drawing your eye to and along it.

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Beads can do even more. Run along the closing stile of the door or frame, a bead distracting your eye and to some extent hides the inevitable warp that doors are prone to. A cockbead hides even more, because it is proud of both stiles. Beads can also hide the necessary gap between door and frame or two doors closing together. The dark line of the gap mirrors the "quirk" or groove of the bead profile. And if you use a sidebead as one element of a molding, the quirk is a perfect place to sink and hide a bead. It all adds up to a hard working and handsome detail.

When it comes to the details, more is not always better. Some historical styles used many -- Louis XIV for instance with exuberant carvings, moldings, rich exotic woods, inlays of tortoiseshell, horn and brass. That was the preferred taste then and for some still is. Other styles such as Craftsman use far fewer details such as chamfers, decorative pins, and through joints. Don't forget that we are working with wood, that has unique detail in the form of color, grain, and figure. Even the textures that your tools leave behind can add interest. But if you need more inspiration, look at architecture, furniture of all types, good design in any medium, or look to nature.

Part of my enjoyment of making furniture is allowing some flexibility as I build. I don't have all of the details worked out, but they are easy enough to mock up on a piece of scrap, to refine my ideas and to try out cutting them. Sometimes these test samples get sent to a client. I save most of them; you never know when you might use an idea again.

Christmas Sale
By Peter James

Last year Jack Grube suggested having a Christmas sale at the November meeting to provide an outlet for quality artisan made items. Because of other commitments, it did not happen, but Peter James has agreed to organize the sale this year. The sale will feature not only wood craft items, but also other crafts that either members or family create.

Among these might be stained glass, wrought iron, paintings, etc. Because space will be limited, it is requested that if large pieces are to be sold that they be represented by photographs. Also, if orders for custom-made items are to be offered, that a small self-contained display of similar work is provided. It is planned that the sales tables will be manned in the morning up until the time of the afternoon presentations and for a short time after the presentations. Price tags will be provided and sales conducted by personnel manning the tables.

Peter can be contacted at 435-8133 or by email at "cpjdkj@mail.bit-net.com".
September Bending Seminars
By Ken Kuster

Once again, the educational value of Guild membership was demonstrated at the September 21st meeting at Dave Emerson shop in Canterbury, NH. Three qualified presenters consisting of host Dave Emerson, Garrett Hack and Brian Sargent each discussed their varying experiences with bending of wooden components.

Our first presentation covered steam bending and was given by Dave Emerson. Dave discussed his bending station that consists of a propane fired Lobster Cooker that heats a 5 gallon container that generates steam that is piped to a lined steam box via radiator hose. For the demo, Dave used 13/16 oak strips for bending plant holders. Wooden forms were shown with a Lee Valley clamping and strapping jig that allows a quick bend to be made.

After the plant hooks are removed from the bending jig, the hooks are quickly transferred to drying boxes that keep the hooks in the bent shape while drying for a week or so. In addition to the plant hooks, Shaker i wood chip box handles were fabricated in a U shape with almost square corners.

Dave kept an interesting commentary going discussing the business aspects of making many items cheaply and efficiently to allow profit at wholesale prices. His first bending experience was a sleigh restoration project and since then he has bent 50 to 60 thousand wood components.

Shaker Chip Basket with Steam Bent Handle

Here are the initial steps that Dave follows to obtain straight grain, defect free stock:

- Oak planks are obtained directly at the sawmill by screening planks immediately after sawing to avoid handling.
- Latex paint is applied to the rough board ends to minimize moisture loss and checking.
- After arrival at Daveís shop, a water based urethane is applied to the plank ends as an additional sealer.
- Air Dry for one year

After planing and cutting of the stock, the strips are kept in the steam box for one hour. Dave emphasized that the steam box should not present any back pressure to maximize the steam flow through the box.

During his bending, Dave emphasized that he prefers the wood grain to wrap around the jig and that his use of selected rough stock, a year long drying interval and grain selection results in almost no bending defects.

Several other hints were mentioned:

- Fill the water container with hot water to start the steam generation
- Fill the container half full to avoid boilover
- A sliding steam box door is critical so the door can be opened a small amount to retrieve bending stock
- A metal steam box liner of stainless steel is preferred to maximize the moisture and heat while avoiding corrosion problems with either a steel or galvanized liner.
- Overcooking of stock is not a problem
- Do not use kiln dried wood
- Machine the stock i good and smoothi
- Red oak is preferred over white oak or ash
- Read the Lee Valley documentation that comes with the bending products.

As an closing comment, Dave discussed linseed oil fire hazards during finishing operations. He cautioned the attendees against the storing of paper towels or rags that have been used to apply or wipe up linseed oil or any products that contain linseed oil.

The second presenter, Garrett Hack, opened his talk by describing his bending approach as empirical from his association and training with Jere Osgood. Garrettís discussion focused on wood bending by either steam or laminations with comparisons of both methods.

Garrett added the following comments to steam bending:
**September Bending Seminarsó continued**

By Ken Kuster

- Steam bending is faster than laminating
- Don’t use kiln dried wood when steam bending
- White oak is preferred for bending over red oak
- Ash, elm and walnut can also be bent
- Wood grain follows the piece
- Select straight stock with no defects

On the negative side of steaming, the construction of a steaming apparatus and bending jigs requires both financial and labor resources. The steam bending process also requires some practice and experience.

Solid cuts to create a curve can result in a short grain that may affect the grain look or the strength.

The advantages of lamination are:

- Any wood can be laminated allowing more selection and grain design alternatives
- Glued laminations will add considerable strength and rigidity over a same sized solid stock component
- Laminated bent parts are more consistent than steamed parts and donot vary by stock moisture content and temperature and humidity changes
- More complex shapes can be built with lamination process compared to steam bending
- Laminations with different colored woods can be used as a design feature

Some of the lamination disadvantages are:

- Glue lines may be distracting and not complement the design
- Large number of clamps are required
- Laminated pieces are not as suitable as solid stock for tenons
- Wood loss occurs due to the sawing process

Also mentioned was the possibility of partial lamination method in which furniture part could use a solid piece of stock at one end that transitions into a laminated, curved section at the other end.

Other methods of bending such as kerf bending for architectural woodwork was covered, but caution was issued since kerfing tends to put stress on the defect spots. For thin stock bending, a steel pipe can be heated from the inside with a propane torch and used for hot bending. As a last alternative, the natural bend in a branch or the knee between the trunk and branch can be used in a curved design.

Garrett covered the techniques for making tapered, curved parts. He uses a sled with a slot that slides through his planer for making consistent tapered strips that will be glued into a tapered assembly.

Since laminations require strong glue, Garrett recommends i Unibond 800i as an adhesive. i Resorcinol is also available as a 2 part glue, but is harder to use. Titebond is an alternative also, but Garrett dilutes the glue by 20% with water. iG21 epoxy (available from Highland Hardware) is an epoxy alternative.

Brian Sargent provided the members with another bending method by demonstrating his jigs and vacuum press. Brian opened his talk by stating that he likes to design using curves. He tries to separate the design process and the engineering process.

After the design of a curved piece is complete, Brian considers the options of a vacuum press, traditional bar clamps or band clamps since his components are typically too large for a steaming process.

Brian uses both veneer and solid stock for covering his bent components.

Several choices are considered:

- MDF cores
- 2 Ply Birch with 7 ply backing
- 3 Ply Italian bending plywood
- Wackywood

Brian usually uses veneer from iCertainly Wood$ and uses Unibond 800 as an adhesive and has little or no springback problems. He suggests leaving the component in the mold for 6 hours for a complete glue curing.

Brian walked us through the layout process of using full size brown paper pieces of with a beam compass to mark curves. The paper shapes are then cut out and then used as templates for bandsawing, followed by touching up with sandpaper. For male and female bending templates, Brian cautioned that the jigs must be very precise ±1/32 inch tolerance. Titebond glue is not recommended since it sets up quickly.

Next reviewed were the jigs used for the box that was presented at the Sharon Arts Center juried show. Molds are used and supported by ribs with holes to each compartment for air movement. Plastic laminate can be used to cover the molds since Unibond does not permanently adhere to the laminate.

A 30 mil by 8 foot vacuum mold bag has been used for the last 10 years. Other size bags such as 4x4 and 4x10 are also available. A yard sale vacuum pump controlled with a pressure switch keeps the vacuum constant during the curing process. A ¼ inch sheet of melamine that is scored with a light cut provides air paths and supports the work piece. Vacuum Systems of Brunswick, ME was suggested as a source of vacuum bags and pumps.

A collective thanks to all three presenters from the Guild members for their very informative presentations!
Woodworking Books
By Tony Immorlicua

The December Book Sale will be kicked off at the September Annual Guild Meeting. Catalogs will be available from Taunton, Sterling, Astragal, and other publishers who specialize in books catering to woodworkers.

Substantial discounts, averaging 40% to 50% off list price, are extended to the Guild members who participate in this biannual event. Orders will be placed on December 1, and books are generally available for pickup at my home in Mount Vernon, NH, by mid-December. If you missed the September meeting, I bring the catalogs to all the meetings I attend, or you can send me your order by email, citing the exact title, author, publisher, and product code or ISBN number. This information is available from most catalogs or advertisements and from publishers' web sites [see below].

Last December, we placed orders for about 150 books from Taunton, Sterling, and Astragal, saving members nearly $2000. The June Sale, not quite as popular, was for 44 books from Taunton and Sterling. [Perhaps we all have more time for reading during the cold New England winters]. Each publisher requires a minimum order, so if we can't get the book you want, try again at the next sale. I'll email you a notice with the amount due when the books arrive and you need to send my your payment right away. [Our discounts are contingent on immediate payment to the publishers].

Regards,
Tony America, immorlic@bit-net.com

Here are the publishers' web sites. If you know of other publishers with great woodworking books that you think we should consider, just drop me a note.

Taunton: http://www.taunton.com
Astragal: http://www.astragalpress.com/
Sterling: http://www.sterlingpub.com
Tilller: http://www.tillerbooks.com/
Putnam: http://www.penguinputnam.com/

Scholarship News
By Bob Jarratt

The applications are all in for this October's Guild Scholarship deadline. As a result, over $1400 will be awarded to Guild members for woodworking courses and events. The Scholarship program continues to be one of the many valuable and rewarding benefits of Guild membership. Among those receiving scholarships are Beth Dutton, Paul LeClerc, Julia and Charles DiArezzo who will be taking courses at the Homestead Woodworking School. Leo Dube will be attending the Ellsworth School of Woodturning in Pennsylvania, and Paul Miller has attended the AAW Woodturning Symposium in Providence.

Paul writes of his experience at the Symposium: It is hard to pick a favorite of all the demonstrations attended. I was particularly taken with Stuart Mortimer's work and demonstrations. I have since bought his book and plan to try and adapt several of his projects; hopefully to be able to sell them.

Jacques Vesery and Al Stirt rejuvenated my interest and led me to try carving on bowls. I have already completed my own design, which I displayed at Sunapee, and did a show and tell at the latest Granite State Woodturners meeting.

Please also see Ben LeClerc's interesting description of the Windsor chair making class he attended at Michael Dunbaris in this issue of the Old Saw.

The next Guild Scholarship filing deadline is May 1, 2003. Applications may be sent to Bob Jarratt pinhill@charter.net (978-456-3928) anytime before May 1.

Guild Auction
By Ken Kuster

The September Annual Meeting opened with the Guild Auction that raised over 600 dollars thanks to the efforts of auctioneer Jon Siegel, his helpers, as well as generous donors and eager buyers. Judging from the facial expressions, everyone was pleased with a morning of converting My Trash into Your Treasure.

Jon provided a fast moving tempo selling articles that ranged from abrasives to vacuum pumps.

Several smiling members were loading their trucks with stacks of surplus lumber that would have cost ten times as much at the local lumber dealer.

Donít forget to donít throw anything of questionable value out during the coming year when cleaning out your workshop.

Put the article aside and save it for Annual Auction 2003!

Bob Trahan Displaying Auction Item
Calendar of Upcoming Meetings
For more information see the Guild Web site www.gnhw.org or call the Coordinator listed below

Nov 2, 2002, Guild Series Class
Homestead Woodworking School
Handcut Dovetails
Instructor: Steve Marq

November 9, 2002 Guild Meeting
Finishing
Dana Robeis Shop
Presenters: Bruce Hamilton and Terry Moore

Nov 30, 2002 Granite State Woodturners
iTool Timei
Homestead Woodworking School
Wood Finishing

Dec 5, 2002, Guild Series Class
Homestead Woodworking School
Wood Finishing
Instructor: Bruce Hamilton

Jan 25, 2003 Granite State Woodturners
Lattice Work by Phil Bowman
Newington Woodcraft

February 5, 2003 Guild Meeting
Society for the Protection of New Hampshire Forests
Coordinator: Andy Young
Concord, NH
See article in this issue for details.

Mar 25, 2003, Granite State Woodturners
Home Made Gadgets
Keene State College

May 1, 2003, Guild
Scholarship Applications Due

May 10, 2003 Guild
4th New England Turning Symposium

Pinkerton Academy, Derry NH Coordinator: Peter Bloch
July 26, 2003, Granite State Woodturners
Annual Critique
Moose Mountain

Admin Note
The Old Saw i official addressi has now been changed to 1106 PowWow River Road, East Kingston NH 03827i. Please use this address for all Old Saw related correspondence.

Meeting Schedule Notes:
1. For all regular Guild meetings, - Program Coordinatorô Open Position
   Unless otherwise specified, Swap Meet and Jigs and Fixtures discussion is 10 - 11, general business meeting 11ñ12, lunch (bring your own) 12 ñ 1 and presentations 1 ñ 3.
2. Granite State Woodturners (GSWT) meetings are from 9:00 to 1:00, unless otherwise specified.
3. Granite State Woodcarvers (GSWC) meets every Thursday night, from 6:00 to 9:00 pm, at Rundlett Junior High in Concord.
4. For all meeting information or in case of bad weather or other uncertainty, call the Program Coordinator for details.
5. Everyone is welcome at all of these meetings, call the Program Coordinator for details.
6. See list below for names and telephone or E-mail of Program Coordinators.

2001/2002 Guild Officers and Other Positions At A Glance

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<th>Elected officers:</th>
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Denotes members of the Steering Committee

Boldo Changes since last issue
Granite State WoodTurners  
By Clyde Dagget

Granite State Woodturners continues with an active schedule for the 2002-2003 year. Following are the schedule of events. Please direct any questions to Clyde Daggett.

**November 30, 2002**
A special iTool Timeí and a multi-demonstration of some of the i less used wood turning toolsí plus wood and tool auction
Location: Homestead Woodworking

**January 25, 2003**
Phl Bowman will demonstrate lattice work on bowls followed by Show and Tell
Location: Newington Woodcraft

**March 25, 2003**
I Homemadeí Gadgets, tools chucks, and tool rests. Followed by tool and wood auction
Location: Keene College

**May 10, 2003**
Wood Turning Symposium
Location: Pinkerton Academy Derry, NH

**July 26, 2003**
Annual Woodturners Critique
Location: Moose Mountain

**October Small Meetingsó continued**

power hacksaw or a well powered manual hacksaw, iron stock can be easily cut by heating the stock and then hitting and rotating the stock on a chisel type tool that is inserted into the top of the anvil.

The upsetting process is practiced by experienced blacksmiths who can shorten and widen a hot piece of stock.

I donít think anyone was convinced to become a full time forging toolmaker. But I hope that the attendees came away with a better appreciation for the process.

iToolmaking for Woodworkersí by Ray Larsen is the recommended starting text-book. Ray also provides classes at his forge in Hanover, MA.

As the demo closed, one member remarked iI'll keep on buying my toolisl. 

**Littleton Millworks**  
By Bob Trahan

On a crisp fall morning, 9 members of the NH Guild traveled north to visit Littleton with an interesting tour of the Littleton Millwork property. I know it was a long drive for most of the members, but they said it was worth it.

Mitch Greaves, the owner, gave a brief history of the Mill. It was built in 1868 as a creamery for H. P. Hood. As a woodworking mill, it started around 1920. Mitch is now the 3rd owner.

He then brought us through the drafting room and office. He described the different shapers along with an antique ìend tenon machineî that cuts and caps the rails and minions for window sash. Also displayed were an elliptical upper sash for a church. Mitch mentioned that his shop does a lot of historical preservation work in and around the Boston area with a concentration in curved sash and frame work. He has developed a balance system with a Canadian firm. This too was on display for us to see. Right now, Mitchís firm has a job in Weston, MA which requires all built in gutters. He has to fabricate all the cornice and curved work.

The shop uses a lot of ìSouth American Mahoganyî, which is first shipped to Boston. It is then stored until Mitch sends for it. He does store some of it here on the premises.

On the final leg of the tour, we ventured down to the lower level Grinding Room. The shop grinds all the knives for the shapers upstairs in this room. Also downstairs is the Machine Room with a gang rip saw, a 4-sided head molder, a 24í jointer, a 30í board planer and flattener, along with lumber storage. The Boiler Room is located next to the Machine Room where 35 cords of firewood are burned every year.

Mitch also showed us the building next door which houses lumber and a finishing room. All sash and millwork leave the millworks primed.

**Shop in Small Space**  
By Tom Nagle

I just wanted to take a minute to tell how much I enjoyed Cal Louke's presentation on "Creating A Shop in A Small Space" on Saturday 10/5. Cal is a very knowledgeable guy whose enthusiasm is only exceeded by his hospitality. I am in the throws of putting together my own shop so ANY help or ideas are greatly appreciated. Cal took the time to show us all of the little hints that one needs when space is at a premium, which is the case with me. I came away with some good ideas for my shop and a bit of jealousy. I also received a sense that the New Hampshire Woodworkers Guild is a friendly organization with a wealth of knowledge and experience.
2002-2003 Dues are Due!
Please complete the application form with any new or corrected information.
Especially note any new or changed email addresses.
Your prompt payment helps the Guild. Thank You!

Windsor Chair Making
By Ben LeClerc

What is it about Windsor chair making that now annually attracts over 500 students to Michael Dunbarís Windsor Institute in Hampton NH? Having taken my second class, this one courtesy of a Guild Scholarship, I was able to observe the demographics of these classes. On average, a class consists of older individuals ñ some perhaps retired wanting to simply make chairs for family or perhaps just to enjoy the camaraderie, adventure and challenge that comes with a product that is made entirely with hand tools. But it is also said that one in ten in a class will eventually make Windsors for a living. I also observed some younger individuals and I applaud their foresight in getting involved in woodworking at a young age given the demise of shop class programs in some high schools in favor of ¡Technology! courses.

You might say live had to go backwards in my pursuit of becoming a fine woodworker having first become involved in the trade with a custom homebuilder in the late 60ís. Later as I got involved in furniture making as an outgrowth of finish carpentry, I found my shop more and more emulating Norm Abramís Yankee Workshop ñ power everything. But having completed some successful pieces like Normís, general comments from others gave more tribute to the tools that performed the work: ¡Amazing what anybody can do with the right tools! ¡

Taking a Windsor chair class is an excellent way of introducing oneself to hand tool woodworking. Only a fair amount of skill in necessary but a basic understanding of woodworking and the dexterity necessary to handle a particular hand tool helps. Also, everyone who takes the class will walk away with a completed chair at weekís end. Mike, along with his chief assistant Dan Faia will guide individually if necessary to be sure of a product that will all be proud of.

Splitting and shaping of all bent parts is the order of the first day. Once the parts are steamed, they are bent around a form, then given four days in Mikeís 100-degree boiler room, sufficiently dried to be worked by Thursday when the upper chair is assembled. Shaping of the seat comes next on the first day involving such tools as a gutter adz, scorp, compass plane and finally a travisher, each tool smoothing out the marks of the previous tool. Kept ultra sharp and properly used, no sanding will be necessary, leaving nothing but subtle tool marks finely accented with the traditional milk paint and oil finish.

The model chair we built is the Nantucket Fan Back armchair, perhaps the largest Windsor of all. Also said to be the easiest chair of the Windsor line. The chair is much completed by Thursday as the entire last day is saved to carve the knuckles on the arms. For the first time carver, this is a very nerve racking experience as it is the final step to completion coupled with a final day deadline.

My chair was completed in time and I am very pleased with the result. I have since made all patterns and bending forms for additional chairs and currently am making all parts for a second chair.

Windsor chair making is a very addictive aspect of woodworking as I plan on taking additional classes till I have a sufficient number of models to offer for sale, perhaps as a supplement to my impending retirement.

Nantucket Windsor Chair

I would like to conclude by offering my sincere gratitude to the Guild scholarship committee and to all members contributing to the fund for a truly memorable experience. I also want to let all know that one aspect of the scholarship program has been achieved and that is to help foster the advancement of skill in becoming a better woodworker.
The Guild of New Hampshire Woodworkers

The dues are only $25 per year. The Guild year runs from September 1 to August 31 and the dues are not prorated. Make check payable to “Guild of NH Woodworkers”.

Steve Belair, Treasurer GNHW
124 Pond View Drive, Auburn, NH 03032
Telephone: 603-587-0045  email: smb1026@attbi.com

Date ___________________ New — □ Renewal — □
Name ___________________  

Home Info  No Change — □
Address ___________________  
City, State ___________________ ZIP (9 digits) ________________
Phone ___________________ email ___________________

Woodworking Business (if any)  No Change — □
Business Name ___________________ Mail to Business — □ OK to Publish Business Info — □
Address ___________________  
City, State ___________________ ZIP (9 digits) ________________
Phone ___________________ email ___________________
Web Site ___________________ Products ___________________

Please provide interest, membership, & volunteer information annually...

I am Interested in:

Furniture — Computers —
Turning — Business —
Finishes — Education —
Tools — Accessories —
Design — Crafts —
Boxes — Toys —
Carving — Marketing —
Restoration — Scroll Saw —
Inlay — Musical Instrument —
Veneering — Sculpture —
Millwork — Signs —
Kitchens — Pattern Making —
Boats — Baskets —
Other: ___________________

I am a Member of:

Granite State Woodturners —
Central NE Woodturners —
American Association of Woodturners —
National Woodcarvers Association —
NE Woodcarvers —
Granite State Woodcarvers —
League of NH Craftsmen —
Furniture Masters —
Period Furniture Makers —
Furniture Society —
Seacoast Woodworkers —
Other: ___________________

I would like to Volunteer for:

Help in Any Way — □ Demo: ___________________
Wood Days at Canterbury — □ Education — □ Scholarships —
Wood Week at Sunapee — □ Special Purchases — □ Book Sales — □
Special Events — □ Video Library — □ Clothing Sales — □
Juried Exhibit — □ Publicity — □
The Old Saw — □ Programs — □ Other: ___________________
Comment: ___________________