THE NEWSLETTER OF THE GUILD OF NEW HAMPSHIRE WOODWORKERS
132 DRINKWATER ROAD KENSINGTON, NH 03833

January, 1996

The President’s Message
Search For A Logo

There are several things that I promised to do before the end of my term next fall. One of them is to find a logo for the Guild. First of all, I can hear many of you saying, “I thought we HAD a logo: The elf riding a block plane.”

While it is true that this image has appeared numerous times in The Old Saw, it is not our logo because it has never been officially decided and voted upon.

I strongly oppose the adoption of the elf for our logo. Don’t get me wrong, I love the little guy. I enjoy seeing him in The Old Saw, and I guess, that unofficially, he is the mascot of the newsletter. Many people have expressed their affection for the elf. Some have said that he seems to be riding the block plane as a cowboy would ride a bucking bronco. His battle to maintain a smooth ride seems to symbolize our own struggles to tame our planes. I find this wildly romantic vision completely acceptable.

I also find it acceptable to have the name “Stanley Rule & Level Co.” (the originators of the elf drawing) associated with the Guild. I think that we all have reverence for Stanley. This once great company has made massive contributions to the development of fine woodworking tools.

Perhaps they would not mind if we ripped them off, but I would. However, my main objection to the adoption of the elf is this: It would demonstrate to the world that we have no imagination or talent of our own. It says, “We couldn’t think of a logo ourselves, so we are using one of theirs.” I know that we can be more creative than that.

So, at the next meeting (March 16), I will propose the establishment of a search committee to find a logo for the Guild. Once we have adopted one, I hope we will do another round of Tee Shirts.

Jon Siegel

Windsor Chair Symposium Draws Rave Reviews From Attendees

by Roy Noyes

Our first Symposium was a huge success, thanks to the enthusiastic support of the Windsor chairmakers, and a very special thanks to Dave Sawyer.

We had good evidence of the variety of expression within this design style. There were reproductions of Windsor chairs, from the very early period, on down through the years to innovative, modern designs borrowing some of the characteristic style, but adding distinctive new features and comfort.

The event went more or less as planned, with two demonstrations going on simultaneously in adjacent rooms in the Keene State College woodshop. Our thanks go to host Dr. Charlie Scheaff for his assistance in planning and conducting this new type of event.

We had good “anchor” demonstrations, making it easier to schedule the changes in other demonstrations as things worked out. Omar Clairmont got us off to a good start, in the bench area, with his demonstration of chair assembly. Sighting, boring and reaming all the necessary holes at all the odd angles, he made it look easy, even though he admitted that he had never done it before in front of a crowd of 50 or 60 woodworkers and chair makers.

After lunch, David Sawyer followed in the bench area, with a demonstration of riving (splitting wood along the grain) and turning spindles and legs of various types and shapes. He showed the way the curves are developed from a combination of curves and straight lines, and that a machine duplicator is not necessary because the legs are never seen close together and at the same angle. Seen as part of the chair, even relatively large variations are almost undetectable.

Peter Scheffer was next at the bench and held our interest as he demonstrated carving the “ears” on the back crest rail. With a very sharp knife and a steady hand, he made it look easy enough for any woodworker to do.

Meanwhile, in the assembly room, Peter Murkett rapidly scooped a comfortable seat with a high back out of a 18” by 24” piece of solid, 2” white pine. Working only with hand tools, such as the draw shave and scorp, he carved a whole seat and answered questions about the process, while we watched. Once again, practice made it look easy!

Continued on Page 5.
Jere Osgood Shaper Demo At His Shop
March 16, 1996
by Roy Noyes

The next meeting of the Guild will be a demonstration meeting at Jere Osgood's shop in Wilton, NH on March 16, 1996. There will be the usual Steering Committee meeting at 10 am, a general business meeting for all members at 11 am, a BYO lunch at 12 am, and Jere's lecture and demo will start at 1 pm. The Guild will provide coffee, but be sure to bring your own lunch as there are no nearby restaurants.

Internationally acclaimed as a designer and builder of contemporary furniture such as his clam shell desk, Jere is highly qualified to teach. He was on the faculty of the School for American Craftsmen, Rochester Institute of Technology, 1972-75 and the Program in Artisanry, Boston University 1975-85 and continues to teach woodworking part time as well as work as a studio craftsman. The Guild's most distinguished member, Jere's modest manner belies the honors that he has received. He received National Endowment for the Arts Grants in 1980 and 1988 and was nominated to be named a Fellow of the American Crafts Council in 1993.

His furniture is in the collections of:
Museum of Fine Arts, Boston, Massachusetts
American Craft Museum, New York
The Johnson Collection (Objects USA)
Renwick Collection, National Museum of American Art, Smithsonian Institution

Jere has a Bachelor of Fine Arts degree from the School for American Craftsmen, R.I.T., 1960 and attended the Scandinavian Seminar in Denmark, 1960-61.

He has pioneered the development and use of wood veneer laminations that are bent in two directions like the stave of a barrel, and he has published articles on lamination techniques in Fine Woodworking. His work has been the subject of several articles and books.

Jere's lecture and demonstration will cover the following topics:
Shaper Vs Router
What can be done with the shaper
Types of cutters
Straight cuts for moldings or rabbets
Curved cuts using a ball bearing cutter
Tongue and groove or splines
Pattern shaping to produce multiple parts
Tenons on shapers
Grinding your own lock edge cutters
Shaper Safety

Directions to Jere Osgood's Shop

Make your way to Route 101, and then:

From the East:
Take Route 101A or 101 West towards Wilton.
Route 101 turns a full 90 degrees left at the traffic light just before you get to Wilton.
Turn left and follow 101 West to the second blinking light which is Abbot Hill Road.
Do not go into Wilton village.
Take a left onto Abbot Hill Road.
Follow up the hill, passing the two schools at the top and bearing right at the farm.
Drive by Gage Road and Potter Road.
Jere lives on the left at 626 Abbot Hill Road, about 0.2 miles past Potter Road.

From the West:
Take Route 101 East towards Wilton.
The first yellow blinking light, before you come to Wilton, is Abbot Hill Road.
Turn right on Abbot Hill Road and follow the directions given above.

Parking:
Park in the driveway. If the driveway is full, please park all on Jere's side of Abbot Hill Road. The road is narrow, and this will minimize problems for the neighbors and others going by.

“BIG” Woodworkers Meet At Wayne Marcoux’s Shop
by Jack Grube

Seventeen Guild members met at Wayne Marcoux's shop on February 10 for the first meeting of the Beginners/Intermediate Group (BIG). This group would like to thank its parents, Jon Siegel and Wayne Marcoux.

Topic for the first meeting was Table Saw use, tune ups, and safety, by Jon and Wayne.

It was decided that in addition to the topic of the day, there should be participation by all the attendees in the format of:
Show and tell on each person's current project
Questions and answers to workshop problems
Sell or swap items

The group also decided to meet once per month from 9 am to 12 am, and setup the schedule for the next three meetings at Wayne Marcoux's shop. These are:
March 2 Lumber - Selection, purchasing, dimensioning
Wayne Marcoux and Bill Thomas

April 13 Sharpening Chisels, planes and other hand tools

May 25 Machine Tools - Purchase priority & selection
Jack Grube volunteered to coordinate the group activities and maintain the mailing list. Any Guild member is invited to join if they find the topics of interest.

Editors Note: For more information or to get added to the mailing list contact Jack at: Pinkerton Academy Tel. 603-432-5211 days till 2:30 pm and leave message or 603-432-5211 eves.
WOOD DAY
May 4, 1996
10 AM - 4 PM

Music

Demonstrations of Traditional Skills
Chair Making
Rain or Shine

Open Stage

· Tom Pirozzoli • Bob Halperin • Lester Hirsh
· Craig Jaster & The Buskers • Bob & Mary Paul

All Day Celtic Session

COOPERING • BOAT BUILDING • ANTIQUE TOOL SALES

TURNING • MORTISE & TENON • DOVETAILING

CARVING • CARPENTER SHOP FURNITURE GALLERY • POPULARWARE

CANTERBURY SHAKER VILLAGE

Guild of NH Woodworkers

Supporters: Highland Hardwoods • Brentwood, NH
Shaker Pine, David Emerson Furniture, Canterbury, NH

1-93 TO EXIT 18 • FOLLOW SIGNS 6.7 MILES
Wood Day – A Celebration of Woodworking and Music
At
Canterbury Shaker Village
by Dave Emerson

Wood Day is a celebration and a sharing of musical and woodworking skills. The Sixth Annual Wood Day will be held on Saturday, May 4, 1996 from 10 am to 4 pm, rain or shine, at Canterbury Shaker Village. This will be the third time that we've successfully combined music with woodworking to produce a wonderful event. In addition to a wide variety of woodworkers demonstrating and selling their crafts, we will have three musical venues as well as numerous opportunities for “parking lot picking.” Chair making will be the featured craft, and boat builders, cabinet makers, carvers and turners will all show their skills.

We'll have two open stages. The main stage will be presided over by Tim Pirozzoli and Blue man Bob Halperin with featured band “Stay All Night.” Lester Hirsh, Craig Jester and the Busters will handle the Horse Barn stage.

Traditional music will be at the forefront. We expect strong Celtic and bluegrass contingents. The all-day Celtic session in the Chapel is new this year. Bring an instrument and play – get in free.

Come, join in or just listen to some musical combinations unique to Wood Day. It’s an all day jam. Find new playing partners! Create a new sound!

Enjoy great food by our renowned chef Jeffrey Paige. Here's a chance to buy or order furniture or crafts direct from the people who make them - and see how they do it.

Wood Day is sponsored by the NH Federation of Musical Traditions - whose members perform during the year at Canterbury Shaker Village - and by The Guild of NH Wood Workers, whose members sell their work at the Carpenter Shop Gallery in the Village.

All year round, Canterbury Shaker Village provides woodworking classes, daily demonstrations, and sales of individually crafted furniture and small wares by some of the area's finest craftspeople. But Wood Day is your annual music and woodworking connection. Don't miss it.

Directions to Canterbury Shaker Village

Canterbury Shaker Village is located just 15 miles north of Concord, NH. Take I93 from the north or south to Exit 18, and follow the signs 6.7 miles the Village.

Editor's Note: For more information, please call the Village at 603-783-9511 or Dave Emerson at 603-783-4403 (evenings). The Village address is:

Canterbury Shaker Village, Inc.
288 Shaker Road
Canterbury, NH 03224
Tel. 603-783-9511 Fax: 603-783-9152

Wood Day Committee Report
by Dave Emerson - Chairman

Here's your invitation to participate in Wood Day. You may participate as a volunteer, demonstrator, exhibitor or performer. There is no admission charge for participants and two guests.

If you are coming only to sell, there is a 10 ft. by 10 ft. space rental fee of $35.00. The Village is open for setup beginning at 7:30 am on May 4.

Sign-ups for participation and space may be done through Dave Emerson and must be returned by March 15 if you wish to be included in the program.

The program will contain free write-ups for demonstrators and have $100 business card ads and $50 listings. The listing will include paid booth-holders and demonstrators at no charge.

We need more chairmakers, and also need more boat builders, old machinery demonstrators, etc. We also need help with fund raising. Call me with your suggestions. Do you know someone who might like to participate in any way? Who do you do business with that might like to participate?

If you chose not to participate, come and enjoy a spectacular day. For $8.00 per person, you can enjoy a guided tour of the Village and a full day of music and woodworking activities.

Special recognition goes to committee members Ed Epremian, Cal Louks, Wayne Marcoux and Martin Milkovits for their ideas and help.

Give us a hand. Wood Day is more fun for participants!

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Woodworkers And Other Creatures
by Dave Emerson

Guild of NH Woodworkers meetings are always enjoyable. Certainly things we have in common ensure this, even though we are a varied lot, especially our insistence on doing work that we enjoy.

Referring to my work, I often say "It's gotta be fun." If my task starts to seem too much like work, I will stop and switch to something else, if at all possible.

Our January scraper meeting introduced us to a way to take the "work" out of woodworking. We shared the most pleasurable way to do a job. It was hard just to sit and watch — the satisfaction that comes from a hand tool working wood just right was so obvious.

I use some powered production machinery myself, though I prefer hand tools. The satisfaction of producing a quantity of parts rapidly can help replace the loss of joy the direct feel of hand tools creates, but, I still hate to turn on the wide belt sander.

Fortunately, my helper prefers machines to hand tools. She runs the wide belt and I run the stroke sander which has some "feel." Besides, there is good view of the forest from that work station.

I can put in more hours if I can see into the woods.

But, sooner or later, I have to put down my work and follow our path into the valley, or head up the mountain, if there is time. The trails through our valley do just fine for a short break.

Which brings me to the point of this piece — a minor epiphany.

After a recent snowfall, my wife and I hiked down into the valley to check out the fresh tracks. There were the usual squirrels, mice, coyotes and deer. But, one track was like nothing we had ever seen. There were almost no paw prints — mostly long slides through the snow!

The animal had to be really whipping along, a few bounds would send it on long glides, even on the level. It went under low branches — a slim creature moving with ease and abandon.

We crossed this trail several times, it was covering a lot of territory. This critter never stopped. Eventually, I started back tracking.

The trail came up out of the valley and then just headed back down again. There had been a light fall of loose, dry snow on a good, solid base. Clearly, the animal had no other purpose than enjoying the fine sliding conditions.

I know of no other creature more insistent on having fun than the otter (Our tracking book verified the trail as that of an otter). Of course this guy had no other purpose than pure pleasure, there were no fish on that side of the hill!

Ravens, on the other hand, fly for a living and fly for pleasure. More like us. Anyone who has seen the tumble, roll, glide and dive of a raven flight — playing the air currents, playing with each other — knows they don’t just fly on business, and they like to talk about it too. They can’t go long without letting out a few characteristic croaks. I watch them as long as I can see them, but they like to cover a lot of territory.

As a totem animal for woodworkers, the beaver would be would be an obvious choice, but they never look like they are having much fun. I think an otter or a raven would be a better choice.

So, take your pick, or come up with another one. Clearly, we are not alone in our instinct for pleasurable activity.

Windsor Chair Symposium (contd.. from page 1)
Then, William Morrison discussed woods which are suitable for use in chair making. He covered the finding and harvesting of local woods, as well as the purchase and use of nonnative woods such as Pennsylvania cherry, mahogany and tulip.

After lunch, in the assembly area, eight chair makers gathered for the panel discussion and covered a wide assortment of topics, from chair types to finishes. There was a heated discussion of how chair design effects comfort, and Jerry Singley spoke about how his modern design improves upon the comfort of a traditional Windsor.

During the day, Dave Dean, of ESTA manned a display booth in a corner of the assembly area and showed their new line of disposable jointer and planer knives. At the end of the day, he held drawings for two wooden cased flexible tapes and a set of disposable knives.

As usual, and in spite of the multiple activities, all of the activities were captured on video tape. This time, Peter Bloch and his videographers have produced four 1 hour tapes, with each tape covering a different part of the activities. These will be available for borrowing or purchase at the next meeting, or by calling Peter Bloch at 603-526-6152.

There were numerous guests and a number of new members were signed up on the spot. American Woodworker magazine was represented by Ms. Susannah Hogendorf, and hopefully there will be some coverage of the meeting in an upcoming issue.

It was generally agreed that the symposium format is a highly successful way to showcase a complex subject in a single meeting. In fact, plans are being made to have the February 1997 Wood Turning meeting in the symposium format at Keene State with three sets of five simultaneous turning demonstrations, involving fifteen different Woodturners!
Notes From The Granite State
Wood Turners
by Peter Bloch

20 to 25 enthusiastic wood turners met at my shop on January 27. We had a good discussion of future plans, and finalized plans for the next four get-togethers (See the Calendar of Events on Page 7). All of these are shared responsibility demonstrations. Hopefully, most attendees will be able to contribute to the discussion. No idea or question is too elementary or too advanced for our group. All meetings are at 9:30 am, bring your own lunch.

Also, initial organization details were setup for the Guild Wood Turning Symposium at Keene State College Woodshop which is tentatively scheduled for February 15, 1997. We are planning to handle a maximum of 200 attendees, with a total of 15 demonstrations (3 time slots with 5 simultaneous demonstrations per slot).

I then demonstrated turning a wooden lamp shade.

Editors Note: At the Guild Exhibit in October, Peter won Best In Turning and People's Choice awards for his floor lamp with turned shade.

News From The Video Library
by Peter Bloch

The video library activities are growing by leaps and bounds and it is all we can do to keep up with it. 60 videos were borrowed at the Windsor Chair Symposium in Keene! We have made four 1-hour tapes from the event, each covering a different activity. Please return any overdue tapes to me, ASAP, so someone else may borrow them.

Editor's Note: Contact Peter Bloch at 603-526-6152

Taunton and Rodale Book Orders
Peter Breu

Members of the Guild have recently ordered and received 34 books with a retail value of $1100 from Taunton Press. Taunton Press gave us a 20% discount. This represented an average discount of about $6.50 per book from the retail price.

This discount is not much different from what is available at many discount stores. I pressed them to increase the discount, but without success.

I will put together another Taunton Press book order next winter, or sooner if there is sufficient interest before then.

Anyone interested in ordering from Rodale Press can still get in on a 40% discount order from them. We need a minimum order of 10 books for the Rodale 40% discount.

Give me a call at 603-647-2327 if you are interested in purchasing any books.

Guild Organization and Procedures
How the Guild is organized and operated.

The Guild is governed by three elected officers and the Editor of the Newsletter. They are supported by the policy making Steering Committee which consists of about ten people. These are the current officers, committee and group heads, and some past officers. The current officers are:

President: Jon Siegel  Tel. 603-934-2765
Secretary: Loran Smith  Tel. 603-859-4700
Treasurer: Lou Yelgin  Tel. 603-424-4888
Editor: Roy Noyes  Tel. 603-887-3682

The Steering Committee meets for an hour before each regular meeting, and also once or twice a year over a pay-for-your-own dinner at a restaurant in Concord. Anyone who wishes to bring an issue before the Steering Committee is encouraged to do so by contacting any of the officers or any of the steering committee.

The schedule for all regular meetings, unless otherwise announced:

10:00 am  Steering Committee
11:00 am  General Business Meeting
12:00 am  Lunch
1:00 pm  Demonstration

The 11 am General Business Meeting is open to all. This is where discussions of activities of the Guild occur, and decisions by the Steering Committee are announced.

The tradition of having lunch together provides a great time to talk, share ideas and meet new people. Bring your own lunch — the Guild provides coffee. There may or may not be a place nearby to buy food.

The heart of each meeting is the Demonstration or Lecture. This part of the meeting is video taped, and these tapes may be borrowed from the Guild Video Library, free to members, or purchased. Peter Bloch is the videographer and video librarian for the Guild. Contact Peter at 603-526-6152.
Woodworker's Calendar
1995-96 Schedule of Events

Saturday, March 16, 1996
Spindle Shaper Demonstration by Jere Osgood at his shop in Wilton, NH. See related article on page 2 in this issue.
For more information, contact Jere Osgood at 603-654-2960.

Saturday, May 4, 1996
For more information, contact Dave Emerson at 603-783-9511.

Saturday, May 18, 1996
Granite State Woodturners, Chucking Systems demonstration by Jim Schust at his shop in Potter Place, NH.
For more information contact Peter Bloch at 603-526-6152 or Jim Schust at 603-735-5609

Saturday, July 13, 1996
Granite State Woodturners, Critique Session at Ed Epremian's shop in Sunapee, NH.
For more information contact Peter Bloch at 603-526-6152 or Ed Epremian at 603-763-9208.

Saturday, July 20, 1996
Sawmill Tour, Details to be announced.

September 7-8, 1996
Ninth Annual Laudholm Nature Crafts Festival at Wells National Estuarine Reserve at Laudholm Farm in Wells, ME. Spectacular locale, 8-10,000 visitors.
For more information call 207-646-4521

Saturday, September 21, 1996
Finishes Demo/Meeting. Details to be announced later.

Saturday, September 28 and 29, 1996
3rd Annual Covered Bridge Day, Newport NH. For more information, contact Nick Kanakis at 603-863-6323 after 5 pm.

Saturday, November 16, 1996
Granite State Woodturners, Unconventional Tools demonstration. Location and other details to be announced.

Saturday, December 7, 1996
Michael Dunbar Lecture/Demo/Meeting at his new shop in Portsmouth, NH. Details to be announced later.

January 25, 1997
Wood turning Symposium/Demo/Meeting, Keene State College Wood Shop. Details to be announced later.
For more information, contact Peter Bloch at 603-526-6152.

May 3, 1997
7th annual Wood Day at Canterbury Shaker Village
For more information contact, Dave Emerson at 603-783-9511 or 603-783-4403 eves.

The Editors Corner
Roy Noyes
178 Deny Road Chester, NH 03036-4311
Tel 603-878-3628 Fax 603-878-8821
Compuserve 70313,1360

Copy Deadline For Next Issue
The normal deadline for items for The Old Saw is one month prior to the next meeting. There's a lot of work in putting the newsletter together and last minute items create a real problem in meeting the mailing deadline of two weeks before the next meeting.
Please submit any items for the next newsletter to me not later than Saturday, March 30, 1996.
The next newsletter will be mailed about April 22, 1996.

Commercial Advertising
The Old Saw will accept paid commercial advertising. Paid advertising will be accepted on a first come, space available basis. Available space depends on the amount of news and articles submitted by the membership and the number of pages in the issue.
For rates and other information, anyone wishing to place a commercial ad should contact the Editor.
The issues have been 8 pages (four sheets of paper). If necessary, this can be increased to 10 pages (5 sheets) and still be under the one ounce, First Class Mail limit.

Non-commercial Classified Ads
 Classified Ads are still free to members for non-commercial purposes. Send ad copy to the Editor before the deadline listed above.

Classified Ads

For Sale – Lumber
4/4 Wide Pine, 18/24" 1,000 bft, kiln dried, D Select or better, S2S.
$5.00/bft. Marty Milkowits Tel. 603-878-3591
4/4 Clear Oak Air-dried under cover.
$0.75/bft. or BO for whole lot.
Steve Cunliffe Henniker, NH Tel. 603-428-6074
4/4&6/4 Spalted Maple Air-dried under cover,
$1.00/bft. Steve Cunliffe Henniker, NH Tel. 603-428-6074
3/4” Redwood, S2S Lg. qtys. of bundled shorts, random widths
Make an offer. Steve Cunliffe Henniker, NH Tel. 603-428-6074
Black Walnut Trees 6’-8’ tall. You dig.
$5.00 ea. Steve Cunliffe Henniker, NH Tel. 603-428-6074

For Sale – Tools
10” Delta Unisaw, 3 HP, 52” Unifence.
$1250 Dustin Coates Etna, NH Tel. 603-643-3499
8” Grizzly Jointer, 2 HP
$500 Dustin Coates Etna, NH Tel. 603-643-3499
$20.00 ea. Steve Cunliffe Henniker, NH Tel. 603-428-6074
How to Join the Guild or Pay Dues
Prospective members are always welcome.
For information on our next meeting, please write us, or call 603/934-2765 and ask for Jon.
Dues are $15 per year for individuals and $30 per year for corporate members. The Guild membership year runs from September 1st to August 30th and dues are not prorated.
Please make your check payable to:
The Guild of New Hampshire Woodworkers
Return this form with your check to Lou Yelgin
10 Woodbine Lane, Merrimack, NH 03054
Date:_________ New ☐ Renew ☐
Name______________________________
Business Name_____________________
Address____________________________
City_______________________________
State_ Zip Code_____________________
Home Phone_______________________
Work Phone_______________________
Fax_______________________________
E-Mail____________________________
My skill level is:
☐ Professional ☐ Semi-Professional
☐ Advanced ☐ Intermediate ☐ Beginner
My areas of interest are:
☐ Boats ☐ Business ☐ Kitchens
☐ Computers ☐ Design ☐ Furniture
☐ Turning ☐ Other (please specify below)

The Guild may sell its mailing list to raise money for activities. If you do not want your name given out on these lists, check here. ☐
OSGOOD ADVISES GUILD ON SHAPING UP

Jere Osgood gave a lecture/demonstration on the safe and effective use of a shaper at a well-attended meeting at his workshop in Wilton on March 16. His extensive experience as a teacher was evident as he walked the members through a logical sequence of steps toward an understanding of the shaper, its scope of work, operating techniques, and safety rules. His presentation was supported by printed lecture notes which were distributed at the outset.

Osgood's shaper is an awesome machine. Made in Poland, it has the mass and solidarity of a battleship (made in Gdansk?), operates 220 v with 4 speeds, both forward (counter-clockwise rotation) and reverse, with an integrated accessory of a sliding table for making tenons.

In a brief comparison of routers and shapers, it was pointed out where the shaper is more accurate (rabbetts and spine slots), safer (large panel raising bits and other large cutters), and generally gives a smoother, more even cut.

The scope of work that can be performed with a shaper was illustrated with samples of work and demonstrated cuts including the following: straight cuts for mouldings, curved cuts using a ball bearing collar, rabbetts, slots and splines, tongue and groove, cove cuts, rounding over edges, tenons, and pattern shaping.

Pattern shaping, a major use of the shaper, can be used to produce duplicate parts with compound curvatures to a high degree of accuracy. A pattern is made from 3/4" MDF and incorporated into a precision-made jig. In simpler cases, a single pattern is used to cut both side profiles. In more complex cases such as one of Osgood's furniture legs, a double pattern is used whereby the stock is mounted and milled in one position, and the shifted to the second position to finish the other edge. This work is done with a straight cutter with a ball bearing collar of the same diameter; the stock is bandsawn to 1/16" oversize.

The presentation also covered the various types of cutters (3 wing, cutters with interchangeable or disposable knives, loose knives with lockedge, and discs for tenons) of which the solid 3 wing cutters are the safest and most commonly used. Arbor sizes range from 1/2" to 1 1/4" with 3/4" a good general purpose size. Guidance was also provided for grinding your own knives from lockedge bar stock, and the detailed information that should be specified when ordering custom made cutters.

Safety considerations were discussed throughout the lecture and Osgood emphasized this subject by summing up the important safety rules for the shaper:

- Wear goggles or safety glasses.
- Disconnect the power when setting up or adjusting the machine.
- Use a lockwasher or two nuts. ("If you forget to lock the tool on the spindle and start the shaper, the whole room will rotate")
- Double check the rotation direction.
- For counter-clockwise rotation, feed stock from right to left.
- Use guards and woodenfinger hold downs.
- Run cutters below table level, if possible; eg, rounding over edges.
- Check stock for knots.
- Be sure spindle is unlocked.
- Use "faint guard" for pattern shaping (a guard above the cutter).
- Obey the 6" rule (fingers never closer than 6" to the cutters).

A two hour video of Jere Osgood's presentation is available from Peter Block.

Ed Epremian
March 19, 1996