President’s Message by Peter Breu

Many, many thanks!

As I will not be standing again for president at the annual meeting, it is time for me to thank all the people who have made my job easy, and who have made such a difference for the guild. Many of these folks toil in relative anonymity and may be unknown to you, but they are the glue which holds the organization together. Please thank them too when you see them next!

First, I must thank my predecessor Jack Grube who set the stage for me, and who continues to work long and hard for the guild. My vice president Roger Myers, (who has been nominated by the steering committee for president), has been my point man over and again, and I have every confidence he will lead the guild very well if elected.

Our editor Ken Kuster has done a wonderful job on the Old Saw which requires a great deal of work for every issue. Steve Belair has been our treasurer for years now and has kept us organized and in the black – thank you! Ed Jones has done a great job as secretary, and Dave Anderson is equally to be praised for his work on promotion and program. The other members of the steering committee who have faithfully met each month to plan and discuss issues – Brian Sargent, Jon Siegel, Bob Lacicita, Andy Young, Roy Noyes, and George Saridakis – each deserve my sincere thanks. The appointed positions: Tony Immortica for book orders, Garrett Hack and Bruce Hamilton as columnists, Marty Milkovits for our annual juried show, Bob Jarratt for the scholarships, Peter Bloch for the video taping, Bob Trahan for the video library, DJ Delorie as our web master, and Dave Emerson for Wood Days and the Sunapee Fair – Well done, and thank you all folks!

I look forward to our meeting in September, and hope we have a great turn out. Our auction is fun and a very good fund raiser for us (bring something you don’t need, and some cash for some of the great bargains!) The location at David Lamb’s shop is inspiring, and I am sure that his presentation will delight us all. Most of all, I look forward to seeing all of you, and realizing again what a great organization this guild is. For those many of you who have helped me whom I have not named - Thank You! I am very proud to have led this guild and look forward to helping in other ways in the future.

Peter Breu

Annual Meeting by Syd Lorendeau

Hi Guys,

It is hard to believe that another year has gone by but it is time for the Annual Meeting!!

TIME: 9:00 am
(Bring auction items early)

AGENDA: Auction, business meeting, lunch (Bring your own) and demo at 1PM.

WHEN: Sept 11, 04

WHERE: David Lambs Shop Canterbury, NH

PARKING: A little problem, we will have to use both sides of Shaker Road so as many as possible that can car pool will be appreciated.

Do NOT miss this Meeting!!!!

Continued on Page 2
Annual Meeting—Continued

Last year we have the pleasure of meeting at Tom McLaughlin’s brand new shop. This year you will experience a recently expanded 100 year old mill building. This structure contains a collection of antique woodworking machinery mostly made years ago in NEW HAMPSHIRE. I have gone to museums which do not compete!!!!

The meeting will start off with our annual auction led by Jon Siegel doing the honors. Soo-o-o for Jon to have items to offer for sale YOU need to make that trip to your shop, barn, cellar, bank and grab those items that are taking up space. Try to arrive early so guys can feel and touch the stuff you bring.

Our Presenter for the day is David Lamb who is also our Host. His subject will be Relief Forms carving on plants. David’s life is steeped in the Shaker tradition of excellent craftsmanship. Raised at Canterbury Shaker Village, David was apprenticed to master European cabinetmaker Alejandro de la Cruz. Later, David studied with Jere Osgood and Alphonse in Boston University’s Program in Artisanry. Since 1980 David has had his own shop in Canterbury, where he builds furniture on commission. The winner of numerous design awards, his work has been featured in The Wall Street Journal, New York Times, and Art and Antiques, and is included in the permanent collection of The Currier Museum of Art and The Museum of New Hampshire History. He has also contributed to several books on Shaker furniture. David is a founding member of The New Hampshire Furniture Masters Association.

Now for the directions; (try to car pool)

From north or south take route 93 and exit at Canterbury #18. Follow signs to Shaker Village After going thru Canterbury Center continue straight till the end of the road. Take left onto Shaker Road, shop is first place on the left after the intersection, distance is a little over 4 miles from Center.

From the east take route 4 towards Concord and exit at route 106. Go north, at second set of light exit take a left onto Shaker Road Go 2 miles, house is first on left after left turn to Canterbury Center. If you have gotten to Shaker Village you have gone to far.

Sydney Lorandeau
slorandeau@earthlink.net

The dates that are TBD will be filled in according to the ideas for topics I receive from you. It is your Guild!

Schedule:

November 6, 2004 Layout II a continuation of layout I. Transferring parts from a full size drawing and laying out the parts.

January 8, 2005 TBD

March 5, 2005 TBD

May 7, 2005 TBD

BIG (Beginners and Intermediate Group) by Bob LaCivita

I hope all who participated in the B.I.G. demonstrations last year expanded their skills and enjoyed themselves.

I have enjoyed demonstrating and having everybody in my shop. This year I plan on using the same format and encourage you to send me your ideas for topics to cover via e-mail.

Schedule:

November 6, 2004 Layout II a continuation of layout I. Transferring parts from a full size drawing and laying out the parts.

January 8, 2005 TBD

March 5, 2005 TBD

May 7, 2005 TBD

BIG Instruction at Bob’s Shop

The dates that are TBD will be filled in according to the ideas for topics I receive from you. It is your Guild!

All meetings are held at my shop 365 Stage Road, (Stage Road is Route 152) Nottingham, NH. They are limited to 30 members. Please e-mail or telephone me if you plan to attend.

E-mail address rlacivita@comcast.net or phone 603-942-1240 before 9:00 pm
Annual Critique at Moose Mountain  by Jon Siegel

On July 24 the Granite State Woodturners had their annual Critique Meeting. This is the fourth year we have had the meeting at Moose Mountain Lodge in Etna, NH. Thanks to the generosity of our host, Kay Shumway, we were able to savor the magnificent view from the lodge as we discussed our latest woodturnings.

As usual we had an excellent turnout for this meeting; more than thirty woodturners of widely varying experience brought objects for the critique. There were participants from Massachusetts, Vermont, and Maine, as well as the Granite State. Once again the discussion was moderated by Peter Bloch, who was able to get us through all the pieces of work in under three hours.

After the critique many topics for upcoming meetings were discussed based on a survey of members which had been done previously. One topic which seems to be of great interest to everyone is REDUCING END GRAIN TEAR-OUT.

Therefore the next meeting will be devoted to that subject. This encompasses a number of issues such as: sharpening, vibration of the tool, vibration of the work, tool selection, and orienting the tool to the grain of the wood. We will attempt to answer the question: What is the last thing you do before you start sanding? To cover these areas will require a number of presenters giving short talks. This meeting will occur on September 25 at a location yet to be decided.

Other topics which will be addressed at meetings in the next year include: Use of steady rests, installation of variable speed drives, creative applications of cut up parts of turnings, and sharpening turning chisels. The Granite State Woodturners meet at 9:00 am on the fourth Saturday of the odd numbered months. If you want to be on the list to receive notifications and directions for upcoming meetings contact Jon Siegel 768-5882, or e-mail big@proctornet.com

Lathe Restoration and Tune-Up  By Ed Epremian

On May 22 Jon Siegel pitched a double header and got two wins:

(1) the introduction of GSWT members to his new workshop in Wilmot where the meeting was held, and

(2) the presentation of a lecture/demo on lathe restoration and tune-up.

The new workshop is a large, cheerful, well illuminated space with a high ceiling and a heated floor, attached below and behind the new home. The woodworking machinery is arranged for efficient use in the main room, and a smaller wing houses the metalworking equipment. To conserve useful space and avoid the spread of wood dust into the living quarters, there is no stairway or direct opening between shop and home. Jon looks forward to his new commute out the front door of the house, down the driveway, and into the shop. The shop entry is a pair of doors eight feet high, and protected under the deck.

Jon’s lecture dealt with the elements of wood lathe design.

The initial portion of the lecture was devoted to examining the structure of lathes and the relative merits of various options for lathe beds, headstocks, tailstocks and tool rests. In the case of lathe beds, the options include cast iron, steel, wood, monorail, and double rail, which were discussed in terms of stability, vibration damping capacity, ease of use and other factors. The innovative steel lathe bed of the One-WaY, and some of the other interesting features of that lathe were discussed, but Jon said that cast iron was still his favorite.

With regard to headstocks, there are numerous options for spindles, bearings, tapers, and threads. A consideration with regard to spindle diameter is that resistance to deflection varies with the square of the diameter. Threads can be a problem because some lathe manufacturers want to distinguish their product in the marketplace by using their chosen threads and thereby encourage customers to buy their accessories such as face plates and chucks. This faulty thinking, which stems from the 19th century, has resulted in the use of far too many types of threads and there is a lack of standardization.

Headstock drives, which include step pulleys, mechanical variable speed, and electronic variable speed motors were also discussed. Tailstocks, which include a ram (with

Continued on Page 7
Sharpening any edge comes down to one basic point: that both facets of that edge — the back and bevel as they are often called — need to be as polished as practical. The edge can be straight as with many chisels and plane irons, or curved as in a gouge, which makes the sharpening a bit more tricky. The sharpening process sometimes starts with grinding, and then honing through a progression of finer and finer grits to polish the faces of the edge. On a microscopic level you want the scratches so fine the edge appears polished and very distinct.

Grinding is the first step in renewing a badly dulled or nicked edge. A coarse diamond stone is an alternative, and an especially good one for hard to hold small blades such as for a spokeshave. I use a high speed grinder with a regularly dressed stone so it is sharp and cutting (not building up heat), and grind as little as possible to preserve the life of my tools. I don’t let the tool get any warmer than I can hold comfortably, so there’s no need to quench it in water to cool it. The theory is that quenching can shock the steel and form minute cracks that could weaken the cutting edge. Grinding on a 6” or 8” diameter wheel creates a distinct hollow grind across the center of the bevel, making subsequent honing quicker because there is less metal to remove. I renew the hollow every 4 or 5 sharpenings, but only to within about 1/16” of the polished cutting edge.

On just about every woodworking tool a good guess for the angle between bevel and back is 25°. A slightly steeper bevel makes a more durable edge, a finer bevel a more fragile edge but one that cuts through the wood fibers more easily. Some prefer the compromise of grinding a 25° major bevel and honing on a small 5° microbevel.

For honing the back and bevel there are many choices: sandpaper on plate glass, water stones, oil stones, diamond stones and pastes, and ceramic stones. Sandpaper on 1/4” or thicker plate glass is quick, inexpensive, easy to maintain, and accurate. A typical progression is 220, 320, 400, 600, 1200 grit, and then finishing on a fine stone of some type (5000 or higher). Water stones and oil stones are very similar. Water stones cut rapidly, but also wear rapidly and need constant maintenance. Oil stones need far less maintenance as they cut and wear more slowly. Both types of stones come in a wide range of grits, natural and manmade. Pricey Shapton stones are fast cutting and are essentially hard water stones. (Don’t let the “ceramic” description fool you; all man-made stones are ceramic.) Diamond stones are very aggressive, especially for the new tough steel alloys finding their way into woodworking tools these days. Diamond paste is ideal for making shaped hones for curved edges and strops for highly polishing any edge. Take your pick — they all have minor advantages and disadvantages — just learn to maintain and use well whatever you choose.

I am not a big fan of honing guides except maybe in the beginning for getting a feel for the honing angle and holding it consistently. Guides are time consuming to set up; it’s far quicker to learn to work without them and more flexible as well. The challenge then becomes learning to balance the bevel on the stone, maintaining the same 25° angle, while moving the tool up and down the stone. A lot of the control comes from locking your arms in position (in a relaxed way) and moving in a slow and thoughtful motion. Small strokes up the stone and back are just as effective as long ones. Just use the whole stone and keep it well lubricated. When I have raised a very fine burr along the back of the cutting edge I know it is time to move onto the next finer stone. I work up through to my finest stone (5000 or 8000), honing only the bevel side of the edge for now.

Honing the bevel seems far easier for most beginning sharpeners than dealing with the other half of the cutting edge, the back. Many times I see backs with an uneven polish or even worse with a rounding right at the cutting edge. Best is to have the back perfectly flat, if for no other reason that when you go to hone the back you have a reference plane that is stable and consistent from sharpening to sharpening. Remember the more highly polished the entire back of the edge, the keener the edge.
Sharpening 101– Continued

Bringing the back to a consistent polish can be tedious. I consider it part of tuning a tool initially, that once done only touches my finest stone in daily sharpening. Work from one grit to the next just as you might sanding a board, polishing out the scratches from the previous grit before moving on. Keep the back perfectly flat on the stone with light pressure and stroke it up and back, being very careful not to lift up the overhanging end of the tool lest you create a rounded back. Your stone should also be as flat as possible for this work, or you risk honing the back into a curve to match your hollowed out stone.

A typical sharpening sequence starts by honing the bevel on perhaps a medium stone (1000 grit), and then on my fine stone. Only on the fine stone do I then hone the back to remove the slight burr, and then the back and bevel another time or two for a more thorough polishing. The process quickly becomes second nature and takes only a few minutes at most. The reward is truly sharp hand tools that cut with far less effort, more accurately, and far more enjoyably.

In my next column I will discuss more about sharpening, maintaining your stones, and diamond strops.

Period Furniture by Dave Andersen

The September 18th period furniture meeting will be at Dave Anderson's house in Chester, NH from 9AM until Noon.

As at all period furniture meetings, members are encouraged to bring furniture plans for critique, new fixtures and jigs they have found useful, and tools of interest to the group.

In line with the month's regular guild meeting we will discuss and share experiences and techniques for relief carvings on furniture.

Newly completed pieces which are a convenient size to transport are always welcome at meetings.

Contact Dave Anderson for directions.

Sunapee 2004 by Roger Myers

Great weather and strong crowds were in evidence in Sunapee for this year's Craftsman Fair and the Guild members were busy manning the lathes, carving chisels, and hand tools as interested fair patrons crowded around the demo tables.

Raffle sales were strong and outpacing last year, which had held the record for the Guild's raffle to benefit the scholarship fund. Great items donated by Guild members and enthusiastic ticket sellers were responsible for the strong ticket sales.

Our thanks to all the Guild members who support the effort by helping set-up or tear down the exhibits, conduct demonstrations, sell tickets, donate raffle items, or otherwise represent the Guild at the fair.

Special thanks to Dave Emerson who was responsible for coordinating the team's efforts at the fair this year!

Great job by all!!
Calendar of Upcoming Activities

Sept 11, 2004  Annual Meeting  Location: Dave Lamb’s Shop  Contact: Syd Lorendeau  See Enclosed Article

Sept 18, 2004  Period Furniture  Location: Dave Andersen’s Shop  Contact: Dave Andersen  See Enclosed Article

Sept 25, 2004  GSWT

October 16, 2004  Guild Small Meetings

Nov 6, 2004  BIG Meeting  Location: Bob LaCivita’s Shop  Contact: Bob LaCivita  See Enclosed article.

Nov 13, 2004  Period Furniture

Nov 20, 2004  Guild Meeting

Nov 27, 2004  GSWT

Jan 8, 2005  BIG Meeting

Jan 22, 2005  GSWT

Jan 29, 2005  Period Furniture

Feb 19, 2005  Guild Meeting

Mar 5, 2005  BIG Meeting

Mar 12, 2005  Period Furniture

Mar 19, 2005  Guild Small Meetings

Mar 26, 2005  GSWT

Apr 16, 2005  Guild Meeting  Joinery Symposium

Mar 5, 2005  BIG Meeting

May 7, 2005  BIG Meeting

May 14, 2005  Period Furniture

May 28, 2005  GSWT

June 25-26, 2005  Wood Days

Canterbury Shaker Village

Jul 23, 2005  GSWT

Aug 5, 2005  Setup for Sunapee Fair

Aug 6 - 14, 2005  Sunapee Fair

Sept 17, 2005  Guild Annual Meeting

Meeting Details

Meeting Schedule Notes:

1. For all regular Guild meetings, 
   Unless otherwise specified, Swap Meet and Jigs and Fixtures discussion is 10 – 11, general business meeting 11 – 12, lunch (bring your own) 12 – 1 and presentations 1 – 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 for names and telephone or E-mail of Program Coordinators.
functions of travel, drive, lock, and keying) and a base (with functions of structural support and position locking) can be problematical, particularly because of improper design. Based on his experience, Jon recommends that the width of the base (as measured along the bed) should be greater than the height of the centers. Tools rests including those attached to the lathe bed and those that are floor standing were reviewed.

In the real world, it is probable that your lathe is less than perfectly precise and concentric. As part of the process of evaluating the precision of a lathe, the turner must decide what amount of deviation from true concentricity is acceptable. Jon has concluded that he is satisfied with a deviation of no more that .002 inches total runout.

Using dial indicator gauges and test indicators he demonstrated tests for concentricity on live and dead centers, tapers, shoulders, and spindle threads.

| Lathe Restoration—Continued |

10" Craftsman Table Saw, 3/4 hp - $100.
Nova Comet Mini Lathe - $150.
Lathe bed extensions for Teknatool lathes - $50.
Hegner Lathe HDB200 /w duplicating attachment - $1000.
Duofast DCN225 nail gun with flush attachment - $250.
Aromatic Cedar - $1.50 bdft
Sycamore - $2.50 bdft
Walnut - $3.50 bdft
Hickory - $2.50 bdft

Contact Marty milkovitz at 603-878-3591 or e-mail jmblm@hotmail.com

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