www.trianglewoodworkers.com

May 2025
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TWA Newsletter

Next Meeting: Tuesday, May 20, 7:00 pm

Location options:

(1) Klingspor's

(2) Zoom videoconference; use the information below to join.

https://us02web.zoom.us/j/88954606735?pwd=sQv5GzNadF232obZFfSGTpJaRmCIcJ.1

Meeting ID: 889 5460 6735

Passcode: 344094

Topic: Sharpening

Speaker: Jim Wallace

Jim Wallace has been a professional woodturner and woodworker for more than 50 years. After graduating from the University of South Carolina with a degree in French Literature, he studied woodturning with Rude Osolnik, Dale Nish and Peter Child. Since 1981, he has taught woodturning at Alamance Community College, and has taught woodturning classes and sharpening workshops at the NCSU Craft Center. His work has been included in American Craft Magazine, and in exhibitions at the NC Museum of Art, NC Museum of History and at the Cary Arts Center. He built a timber frame house and wood studio in Wake Forest, where he continues to live and work.

During the May meeting, Jim will discuss sharpening methods for the hand tools in your shop. Come with your questions and look forward to learning about more effective ways to sharpen tools.

Host: Kerry Schoolfield

INSIDE THIS ISSUE

May meeting 1
April meeting minutes 2
Upcoming meeting 2
Treasurer's report 2
Bent lamination 3
Woodcraft event 4
Membership committee 4
Thank you to our members 4
Board and committee members 5
Sponsors 6

TWA GENERAL MEMBERSHIP MEETING—APRIL 15, 2025

(meeting minutes: James Sapp)

The April meeting was held at Klingspor's Cary store, with twenty-one people attending in person and one via Zoom. There were no guests or new members present.

The meeting began with a few brief announcements.

Members were invited to a special event at the Raleigh Woodcraft store in celebration of Cinco de Mayo on Saturday, May 3rd.

The recent TWA newsletter highlighted a birdhouse building contest to be held at the Raulston Arboretum as part of their spring festival.

Thank you to Barton Meeks, who has volunteered to bring snacks for the May meeting.

Joe Sabo reported that while many Toys for Tots workshops have already started producing toys, this year's official kick-off will take place during the June TWA meeting. The meeting will be held on Tuesday June 17th from 6:00 to 8:00PM at the Atria Senior Center in Cary, NC. Refreshments will be served, and more details will follow.

Kerry Schoolfield shared that the May meeting will feature Jim Wallace, who will present on sharpening methods for hand tools.

Congratulations to Joe Sabo, who won this month's raffle.

UPCOMING MEETING

Date and Time: June 17, 6:00—8:00 pm

Topic: Annual Kick-off Meeting for Toys for Tots

Location: Atria Senior Living Center in Cary

The June meeting is the annual kick-off for Toys for Tots. The meeting will be held at the Atria Senior Living Center, 7000 Regency Pkwy, Cary, from 6-8 pm. Heavy appetizers will be available at no cost, and beer and wine will be available for purchase (credit card only; beer $4, wine $6). Significant others are welcome to attend. The theme of the meeting is to share information about the workshops and have the workshops show their new (and some of their old, favorite) toys.

A sign-up sheet will be available at the May meeting, or you can email Joe Sabo at *sabojc12@gmail.com* if you would like to attend. A headcount is needed, so the last day to let us know you are attending is Monday, 09 June.

Host: Joe Sabo, Toys for Tots Committee Chairman

NEWSLETTER CONTRIBUTIONS

Please send newsletter content for future newsletters to Karin Pihel (karin.pihel@ gmail.com).

Contributions for each newsletter are due by the last day of the previous month.

TREASURER'S REPORT (MARCH)

Beginning Balance:	$19,524.57
Income:	$350.00
Expense:	$1,306.31
Ending Balance:	$18,568.26

Does not include Petty Cash of $86.00.

Submitted by Jack Kite, Treasurer

TWA GENERAL MEMBERSHIP MEETING—APRIL 15, 2025
BENT LAMINATION AT HILL COUNTRY WOODWORKS

(meeting minutes: James Sapp)

Jeff Leimberger introduced the featured speaker for the April meeting, Mark Todd of Hill Country Woodworks.

Mark began his presentation by introducing Hill Country Woodworks, located at 2113 Old Greensboro Highway in Chapel Hill, NC. To learn more about their custom furniture, visit *Hill Country Woodworks*. The company specializes in custom furniture pieces, several of which incorporate bent wood laminations, the subject of his presentation.

When curved wood pieces are required in furniture design, options for making the curved elements include sawing from straight timbers, using segmented, methods or using bending techniques such as bent lamination or steam bending. Mark prefers to choose the most suitable method for each project, considering factors like cost, schedule and required strength. He typically avoids steam bending, and notes that for curves requiring greater than 45° angles, sawn or segmented method often result in weak grain direction, making them susceptible to failure. In these cases, bent lamination offers significantly greater strength and reliability. He prefers bent lamination over steam bending, as it is generally quicker.

Making bent laminations starts with producing thin strips of wood, typically 1/8-inch thick. The strips are rough cut on a band saw and then sanded to final thickness with a wide belt or drum sander using at least 120 grit sandpaper. When bending the strips, some spring-back is expected when the lamination is released from the bending form. Using more plies in the lamination reduces spring-back; Mark usually uses 8 plies to create a one-inch-thick lamination, producing predictable and minimal spring-back. There are references available that provide formulas for estimating spring-back.

For adhesives, Mark recommends three-part epoxy, polyurethane or urea-formaldehyde (Unibond 800) glues, as he has found that PVA glues may result in some slippage between the plies. Mark applies the glue to both sides of each ply for optimal adhesion.

The shape of the bent lamination is made using male and female forms that hold the glued-up strips in the desired curvature. The forms are clamped – using bar clamps, band clamps, or vacuum bags -to achieve the desired shape. Mark designs his forms with spring-back and clamping strategy in mind, typically constructing them from several layers of ¾-inch medium-density fiberboard (MDF) due to its consistent density and lack of voids.

Throughout the presentation, Mark shared images of various bent lamination furniture pieces, including several coffee tables, a chair and ottoman, a sleigh bed, a sofa and a unique bassinette. All of these and more are included in the video recording of this presentation, available on the TWA website. Mark's presentation was very informative and well done.

Mark introduced the club to bent lamination (photos: Roy Brookhart)

WOODCRAFT EVENT

Woodcraft invited us to participate in their Cinco de Mayo sales event on May 3rd. We displayed several of our projects, along with some of our favorite Toys for Tots selections. It was a great opportunity to connect with many woodworking enthusiasts, and we're excited to welcome 12 new members who signed up through our trial membership program.

A special thank you to Joe, Karin, Ray, Paul, and Roy for your help in making the event a success. (Unfortunately, Paul wasn't able to be in the group photo.)

MEMBERSHIP COMMITTEE

In April, Amy Dowden and Mark Matthews joined TWA. Please welcome them when you see them in person or on-line. (Amy was a previous member, and has rejoined.)

Privacy: Only current members (that are logged into our website) and some sponsors have access to our member directory. In addition, there are two types of "privacy opt-outs" that can be used to keep selected information out of this directory: email address and phone number. If you want to change your "opt-outs" to add or remove your email or phone to the directory, let me know by sending an email to *Barton.Meeks@pobox.com*.

To access the member directory, go to our website, *TriangleWoodworkers.com*, and login at the bottom of the left column. (If you don't have login access to the website, expand the "Members Only Area" in the left column and fill out the Member Registration.) Once you login, expand the "Members Only Area" in the left column, and you will find "Current Membership List" there.

Barton Meeks, Membership Committee

THANK YOU TO OUR MEMBERS

TWA would like to thank members who provide donations to the club or the Toys for Tots fund. The following member made a generous donation to the club or the Toys for Tots fund within the club in the last month.

- Jonathan Sapp

BOARD AND COMMITTEE MEMBERS

POSITION	BOARD MEMBER
President	Roy Brookhart
Vice President	Kerry Schoolfield
Secretary	James Sapp
Treasurer	Jack Kite
At-Large Board Member	Ray Essington
At Large Board Member	Chris Gebhardt
At-Large Board Member	Joe Sabo

COMMITTEE	CHAIRPERSON / MEMBERS
Program Committee	**Kerry Schoolfield /** Jeff Leimberger, Cecil Raynor, Bob Gabor, Mike Payst, Cathy Harms, Roy Brookhart
Toys-for-Tots Committee	**Joe Sabo** Material Procurement: Bob Andrews Workshop Hosts: Joe Sabo, Pete Hodges, Roy Brookhart, Bob Andrews and Judy Sanwald, Jim Rhodes, Les Hall, Alex Knittel, Ray Essington, Bob Guenther, Tom Hegele, Bill Watkins, Alex Harp, Gary Brookhart
Newsletter Publications Committee	**Karin Pihel /** Fred Ford
Library Committee	**Jerry Rhoades**
Publicity Committee	**Roy Brookhart**
Sponsor Committee	OPEN
Internet	**Paul Holzworth**
Mentor Committee	**Allen Campbell**
Membership Committee	**Barton Meeks /** Judy Sanwald, Paul Holzworth, Sue Bunch
Audio/Visual Committee	**Chris Gebhardt**
Photographer	**Roy Brookhart**
Social Media	**Chris Gebhardt**
Raffle Committee	**Dick Raup**
TWA Duties and Responsibilities Editor	**Fred Ford**

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Contractor's prices on all wood products
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Woodcraft
919-781-1911 Fax: 919-781-1980
4317 Pleasant Valley Rd.
Raleigh, NC 27612
raleighwoodcraft@bellsouth.net
http://www.woodcraft.com
$25 gift certificate at each TWA meeting for the raffle
10% discount

Wurth Wood Group
919-231-6620
4213 Poole Rd. (Exit 15 off I-440)
Raleigh, NC 27610
www.wurthwoodgroup.com