



TWA Newsletter

Next Meeting: Tuesday, May 15, 7:00 pm

Location: Klingspor's Woodworking Shop
MacGregor Village Shopping Center
107 Edinburgh S Dr. Suite 151, Cary
NC

Speaker: Chris Frey

Topic: Health of NC Forests

Chris Frey is a county ranger for the NC Forest service for the Raleigh / Durham area. Chris will discuss the health of our NC forests and the dangers of how pests and diseases are affecting the forests (i.e. the Emerald Ash borer, etc.).

Host: Jerry Rhoades

Reminder: Please sign up for the FREE dinner on June 19. Instructions are on page 4 of this newsletter.

**Deadline for sign-up:
June 12**

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TWA GENERAL MEMBERSHIP MEETING—APRIL 17, 2018

(meeting minutes: Janet Batker)

George Mills opened the meeting and jovially introduced a couple of guests. Our new location in Cary seems to be attracting interest from the surrounding areas, perhaps this was a good move for the club!

Once again, show-and-tell brought out some interesting items. Bill brought in a drawer with curved

dovetails that was unique; the joints were both mitered and dovetailed. He had taken a class on this technique from Mark Adams, in Franklin, Indiana. He also brought in the chair he made while there. Jim Kroeger brought in a BIG two handed marking knife, which is supported on the shoulder during use. Cecil brought in a bowl made from Grenadilla wood, with fabulous colors that are natural to the wood. Apparently Grenadilla is often used in musical instruments. He also brought in a wooden support or holder he fashioned for two Damascus steel knives, using magnets mounted on the back of the wood to

hold the steel in place.

Terry Tenhouse donated a rolling clamp stand for this meeting's auction to raise money for Toys-for-Tots.

Every April, a nominating committee is needed for officers for next year. Three volunteers are needed for this.

George reminded us that we have copies of all our meetings available for check out from the well-stocked lending library.

During the break, an auction for the clamp stand raised \$20 for T4T from Ken Serdar.



PRESIDENT'S MESSAGE

Last month's meeting was both informative and entertaining. I learned things about trees and wood that I never knew. I also think we have met Roy Underhill 2.0 in the making! In fact, the last two meetings have given me a new perspective on the younger generation of woodworkers. They are enthusiastic, and exhibit the finest examples of young entrepreneurs. I wish them all well. It also tells me that there must be other young woodworker hobbyists and professionals out there that are potential members of the TWA. We just have to keep our eyes open for them and invite them to join us!

In closing, I repeat my invitation for members to step forward and answer the call to become part of the management of our group. Fresh faces and new ideas are what keeps any organization from becoming stuck in a rut and irrelevant over time. If the nomination committee approaches you, please accept their invitation.

George Mills

*Bill, Jim and Cecil during show and tell
(photos: Steve Steinbeck)*

TWA GENERAL MEMBERSHIP MEETING—APRIL 17, 2018

WOOD TECHNOLOGY AND WOOD STRUCTURE — ELIA BIZZARRI

(meeting minutes: Janet Batker)



Elia Bizzarri and one of his famous chairs (photo: Steve Steinbeck)

Mark Firley, our program chair, introduced the speaker, Elia Bizzarri. Elia has been a woodworker for 16 years and his primary interest is making chairs. Elia spoke about some technical aspects of wood biology. The nature of form follows the form of nature; in other words, the chairs that are made in a given region are based on the types of wood harvested there, and are thus different from the chairs made elsewhere.

Elia started out watching Mr. Rogers and the Woodwright's Shop (37 seasons now!) on TV, an interesting combination of how to and let's do! He spoke as he split wood, shaved it and shaped it into a spindle, comfortably seated on a bench he had transformed into a hold down that made the spindles easy to work with. He quoted Roy Underhill in that we are lucky we start out with a weak product that hardens as it dries and ages (he was talking about wood not people). He described the anatomy of wood (the bark, the cambium layer, the heartwood and pith). He mentioned extractives, which are chemicals found in heartwood.

He pointed out the rays in a cross-cut

sample of a trunk, that are necessary for carrying nutrients, and also described lignin, which includes nitrogen from the soil. Nitrogen gets into the trees from fungi that eat minerals from rocks as the tree

feeds sugar to the fungus. Lignin gives a tree rigidity. Elia stated that trees are always in a battle for their life, and there is evidence of this in all wood if you look for it.

Trees grow up in a spiral. Gum trees grow clockwise and counter clockwise, which makes this wood especially hard to split.

Trees contain a column of water. When logs are cut, the wood loses moisture from its ends. Tangential surfaces move twice as much as radial surfaces, which allows prediction of where checking may occur.

Grain direction is three dimensional. Grain is a bundle of fibers and some properties can be demonstrated with a broom. Elia used a couple of brooms to demonstrate how placing a nail into the end grain leaves it vulnerable to removal or loosening; therefore, nails should be placed into the cross grain so that they will hold.

Kiln-drying is faster and easier than air drying; it also results in less warping, and it kills bugs. But kiln-dried wood is a little harder to work with. Even though it dries fast, it may get case-hardened. When this

happens, the wood is stressed and the inside (which dried more slowly and later than the outside of the board) pulls the outside toward itself and cracks form on the inside. Air-dried wood is better to work with and results in less stress on the wood.

When drying wood, spray it with borate (anti-bug spray!) and coat the ends with sealer.

Elia showed a chair for which he is famous. He uses different types of wood for the legs, seat, spokes and back (curved). The choice of wood is determined by how strong and attractive a component needs to be.

Even after you have been splitting logs for a long time, you never know what the inside of a log has to reveal; it's a surprise every time. Just like some of your projects!



Elia shaving a spindle (photo: Steve Steinbeck)

UPCOMING MEETING

JUNE 19

Toys-for-Tots Kick-off Dinner

SearStone will host a free buffet dinner for all members and a significant other. The meeting will start at 7:00pm. The meeting will kick off the 2018 Marines Toys for Tots campaign. After the meal we will discuss the different workshops, the process for getting supplies and wood, and answer any questions about how you can help. TWA is looking for a few more good woodworkers to make toys for tots in our area. Can you pickup and deliver wood? Can you cut it into lengths? Do you know how to use any of these: miter saw, tablesaw, scroll saw, bandsaw, drill press, or sander? If you do, we need you! We have fifteen different groups that are making carts, cars, trains, planes, boats, etc. If you are not already volunteering, please consider helping. All of our toys will be given to the Marines at our December meeting at SearStone. Will this be the year we make 5000 toys for needy children in our area?

We need a headcount for the dinner by June 12th. Please let us know at the May meeting (sign up sheet) or send Bob Andrews an email, bandrews1@nc.rr.com, if you are coming and bringing a guest.

SearStone is located in Cary at the intersection of High House Road and Davis Drive. 17001 SearStone Drive, Cary, NC 27513 (<http://www.searstone.com/index>).

Host: Bob Andrews

TREASURER'S REPORT (MARCH)

Beginning Balance: \$11,681.68
 Income: \$185.00
 Expense: \$307.46
 Ending Balance: \$11,559.22
 Does not include Petty Cash of \$86.00

Submitted by Jack Kite, Treasurer

MEMBERSHIP COMMITTEE

TWA is happy to welcome the following new members:

- Alva Eaton
- Barton Meeks
- Richard Brown
- Willard Wolf
- Allen Spangberg

Ken Serdar, Membership Committee

MENTORS

Mentor	Service/Skill Offered	Phone Number	Email Address
Bernie Bogdon	Relief Carving	(919) 850-0739	sabile_27615@yahoo.com
Hugh Fish	Chairs, Joinery, Machinery & Power Tools, Mantles, Routers, Tables and TV Cabinets, Turning	(919) 467-5696	hughpatfish@yahoo.com
John Margeson	Baby Furniture, Beds, Bookcase, Chairs, Chest, Decks, Tables	(919) 876-3476	jmalice@bellsouth.net
Mike Resar	Baby furniture, Beds, Bookcase, Cabinets, Chest, Drafting, Dressers, Tables, TV Cabinets	(919) 876-1664	atwaterla@ncleg.net
Allen Campbell	Simple inlay, Staining/dyeing, Pen turning, Cabriole legs	(919) 772-4551	aacjr@nc.rr.com
Cecil Raynor	Joinery, Finishing, Tables, Chairs	(919) 815-9155	cecil_raynor@yahoo.com
Amy Dowden James Sapp	Google SketchUp	(919) 932-6252 (919) 586-7280	amydowden1@gmail.com james.b.sapp@gmail.com
Ken Serdar	CNC woodworking		ken.serdar@gmail.com

BOARD AND COMMITTEE MEMBERS

POSITION

President
Vice President
Secretary
Treasurer
At Large Board Member
At Large Board Member
At-Large Board Member

BOARD MEMBER

George Mills
Mark Firley
Janet Batker
Jack Kite
Fred Ford
Mike Payst
Bob Andrews

COMMITTEE

Program Committee

Toys-for-Tots Committee

Nominating Committee
Newsletter Publications Committee
Library Committee
Publicity Committee
Sponsor Committee
Internet
Mentor Committee
Membership Committee
Audio/Visual Committee
Photographer
Hospitality
Facilities/Refreshments Committee
Raffle Committee
TWA Duties and Responsibilities Editor

CHAIRPERSON / MEMBERS

Mark Firley - Roger Sanwald & Judy Sanwald, Fred Ford, Terry Tenhouse, Allen Campbell, Jeff Leimberger, Terry Brown, Hal Brown, Mike Payst, Bob Nauman, Bob Andrews, Jerry Rhoades

Fred Ford — HOSTS: Allen Campbell, Cecil Raynor, Pete Hodges, Bob Gabor, Terry Tenhouse, Roger and Judy Sanwald, Jim Rhodes, Mark Firley, Les Hall, Bill Schott, Alex Knittel; SUPPORT: Bob Andrews, Bruce Wrenn

Fred Ford
Karin Pihel — Fred Ford
Jerry Rhoades
Roy Brookhart
Mike Payst
Paul Holzworth
Allen Campbell
Ken Serdar - Cheryl Serdar, Judy Sanwald, Paul Holzworth, Sue Bunch
Tom Revelle - Leon Abbas, James Chamberlain
Steve Steinbeck
OPEN
Jerry Rhoades
Mike Payst
Fred Ford

TWA SPONSORS

Ashcroft Saws and Tools

919-876-3223
3125 Gresham Lake Rd. Unit 116
Raleigh, NC 27615
www.ashcroftsaw.com
25% off list on blades and 10% off on sharpening

Capitol City Lumber Co.

919-832-6492
4216 Beryl Rd.
Raleigh, NC
1-800-244-6492
www.capitolcitylumber.com
Special prices to TWA members

Edwards Mountain Woodworks

919-932-6050, evenings
Fine handtool woodworking: creating and teaching in wood. For further information on the workshops, schedule, and tools needed and any other requirements email Bill Anderson at:
bill@edwardsmountainwoodworks.com
www.edwardsmountainwoodworks.com
Tuition discount for club members.

The Hardwood Store

1-888-445-7335
Gibsonville, NC
1-888-445-7335
www.hardwoodstore.com
Discount: 10 cents per board foot

Guy C. Lee Building Materials

900 N. Salem St.
Apex, NC

Keglers Woodworks LLC

919-608-7220
330 Dupont Circle
Raleigh NC 27603
mkeglers@earthlink.net

Stock Building Company

919-828-7471
3000 Yonkers Rd.
Raleigh, NC
www.stocksupply.com

Klingspor's Woodworking Shop

919-876-0707
MacGregor Village Shopping Center
107 Edinburgh S Dr. Suite 151, Cary NC
(Exit 98B off of US 1)
www.woodworkingshop.com
10% discount excluding lumber and power tools

Raleigh Saw

919-832-2248
5805 C Departure Dr.
Raleigh, NC 27616
www.raleighsaw.com
10% discounts on all new products

Tarheel Wood Treating Co.

919-467-9176
10309 Chapel Hill Rd. (Highway 54)
Morrisville, NC 27560
www.tarheelwoodtreating.com
Contractor's prices on all wood products
TWA card before order is written

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

Woodworker's Supply of NC

336-578-3001
Mail order: 1-800-645-9292
3663 Alamance Rd.
Burlington, NC 27215
www.woodworker.com

Wurth Wood Group

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