



# TWA Newsletter

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

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

Speaker: Michael Rollerli

Topic: Building for Impermanence

What they build might only have to last for three weeks but in that time it might be climbed over, danced on, thrown, rotated, flown and carried three to five times a night while looking good at fifteen feet. Such is the job of the production team of the Playmakers Reparatory Company of Chapel Hill. While many of their techniques and practices are familiar to the average woodworker, many are unique to the theater and others differ significantly in application.

Our speaker will be Production Manager Michael Rollerli. Mr. Rollerli is in his 31st season with Playmakers and has years of experience in many aspects of technical production as well as being an Associate Professor/Head of the Technical Production Program at UNC-Chapel Hill. He is scheduled to be joined by Adam Maxfield, the Technical Director, Laura Pates, the Assistant Technical Director and Andrea Bullock, Prop Master.

## INSIDE THIS ISSUE

|                                   |   |
|-----------------------------------|---|
| February meeting .....            | 1 |
| January meeting minutes .....     | 2 |
| President's message .....         | 2 |
| ShopBot CNC routers .....         | 3 |
| Upcoming workshop .....           | 4 |
| Treasurer's report.....           | 4 |
| Upcoming meetings .....           | 5 |
| Membership committee.....         | 5 |
| Mentors.....                      | 5 |
| Board and Committee members ..... | 6 |
| Sponsors .....                    | 7 |



# TWA GENERAL MEMBERSHIP MEETING—JANUARY 16, 2018

*(meeting minutes: Janet Batker)*

Our president, George Mills, opened the first meeting of the new year.

An announcement was made that there are two more spaces left in the Vise workshop with Mike Payst.



*Jan Batker's cutting board (photo: Mark Firley)*

A new member, John Meeker, introduced himself; his wife thoughtfully bought him a TWA membership for Christmas. We also had several visitors, David Ingram for one, and Doug Ferebee of Live Edge Wood designs along with his partner Doug Boytos, who are scheduled to speak to us in March.

cutting board.

Finally, 2 saw blades, donated by Terry Tenhouse, were auctioned off. They were ripping blades with 2 free sharpenings. The auction raised \$60 for Toys-for-Tots.



*Terry Tenhouse auctioning a saw blade (photo: Mark Firley)*



*Jim Kroeger's bench (photo: Mark Firley)*

## PRESIDENT'S MESSAGE

My only message this month is for everyone to bring their wallet. My wife told me it is time to get rid of the large TV Monitor that TWA used at the Capital Blvd store before the move to Cary. I have been storing it since the August move. It is time we auction it off to the highest bidder. It was thought there might be a use for it at the new location, but that has not been the case. Please be prepared to make an offer to raise funds for our Toys-for-Tots effort. The only other option I see is that we set it up in the store, with permission, and have a continuous video play on it showing a typical meeting, which may attract new members.

*George Mills*



# TWA GENERAL MEMBERSHIP MEETING—JANUARY 16, 2018

## SHOPBOT CNC ROUTERS — TED HALL AND ASSOCIATES

*(meeting minutes: Janet Batker)*

Mark Firley, Vice President and programming chair, introduced our speaker Ted Hall from ShopBot tools. (Gordon and TJ, a trainer for the company accompanied him). They provided a demonstration of how CNC tools work, as well as a history on how they came about. CNC stands for computer numerical control, and it signifies the control by computers of machine tools which operate by executing pre-programmed commands from the computer.

Twenty four years ago, Ted was at a TWA meeting and demonstrated his first tool. (He remembers Jack Kite and a few other long-time members).

ShopBot is a manufacturer of CNC machinery located in Durham, NC. There are now approximately 7000 machines out there working on wood,

combine the personal computer with a tool (the first CNC's weighed 8 tons or more!). TJ, who helped to demonstrate the technology, was an industrial shop teacher who moved here from Michigan. He visited the facility and was initially hired to help build machines; he later started training.

CNC manufacturing is used for production prototyping, education and ice-carving; it is used to prepare 100 ft long by 2 ft wide panels at Georgia Pacific for insertion of plumbing and electrical. It is also used for RV panel-making. The company uses the ShopBot to build ShopBots. That's kind of Escherian.

Most importantly, the VCarve Pro software comes with the tool; this software is made in the UK by Vectric. If you can design it, the CNC can make it.

Handibot is the new ShopBot Mini CNC. The machines are classified by size. They showed a Desktop at the meeting, but they make a Desktop MAX

and they have a Desktop Buddy that moves. The computer can cut in series so you can make bigger products than you think. The cutter is a router or spindle attachment which can also be used to etch glass and mirrors with a diamond tip.

The software is easy to use and comes with many tutorials on job set up, drawing tools, toolpathing



*ShopBot Demonstration (photo: Mark Firley)*

and 3D preview. When cutting, you do need to know the correct bit and feed and speed to use.

Visit [shopbottools.com](http://shopbottools.com) and user forums to learn more. Everyone is welcome and encouraged to visit the facility and take a training class.

Finally, there was a demo! Designed with the VCarve Pro we produced a sign and pens. Amazing feats of magic!



*Handibot Demonstration (photo: Mark Firley)*

metal and plastic. Slide in a 4 x 8 sheet of plywood and cut. They now make tools accessible to small businesses and individuals as well as large companies. This allows for the return of small manufacturing to communities by employing the brain-power of the computer and it's programs along with increased speed of robotic production. The whole business started as a concept to



*Handibot Demonstration (photo: Mark Firley)*

## UPCOMING WORKSHOP

FEBRUARY 24-25

### Building a Portable Woodworking Vise

*Organizer: Mike Payst*

On February 24-25, Mike Payst will lead a two-day workshop where each participant will build a portable woodworking vise like the prototype shown here. Using a vise like this, your work can be held at about elbow height which is convenient for sawing, chiseling, carving, and many other common tasks.

This vise can be clamped to a workbench (or picnic table) or held by an end vise. Jaw opening is 5" wide, 4" high (above the screw), and unscrews to about a 6" throat. Smooth operation comes from an Acme screw, brass nut, two ball bearings, and a chrome-plated guide shaft.

Workshop signup has begun. Workshop fee will be the customary \$100. As usual, your check to TWA is your reservation. Participation will be limited to 4-6 members. The location will be Cecil Raynor's shop in North Raleigh.

Since the component parts cost approaches the \$100 fee, each participant will be required to bring their own 8/4 hardwood stock. The stock needs to be about 4 feet long and at least 5" wide (that's about 4 board feet). This amount of 8/4 stock will build the vise with a little extra for a mistake or two.

This prototype is hard maple but other easily machinable woods like soft maple, beech, etc. are good also. If you can drill a 1" through hole with a Forstner bit and mill a 2" wide shallow dado with minimal chip-out, your wood should do fine.

If you plane your stock, keep it as thick as possible to maximize stiffness. Small surface defects are easily avoided since the longest part is just 13-1/2".

Note that the Acme screw, pipe tee, and wooden tommy bar will be pre-assembled, thus no turning nor metal work will be involved.

### TREASURER'S REPORT (DECEMBER)

Beginning Balance: \$11,749.07

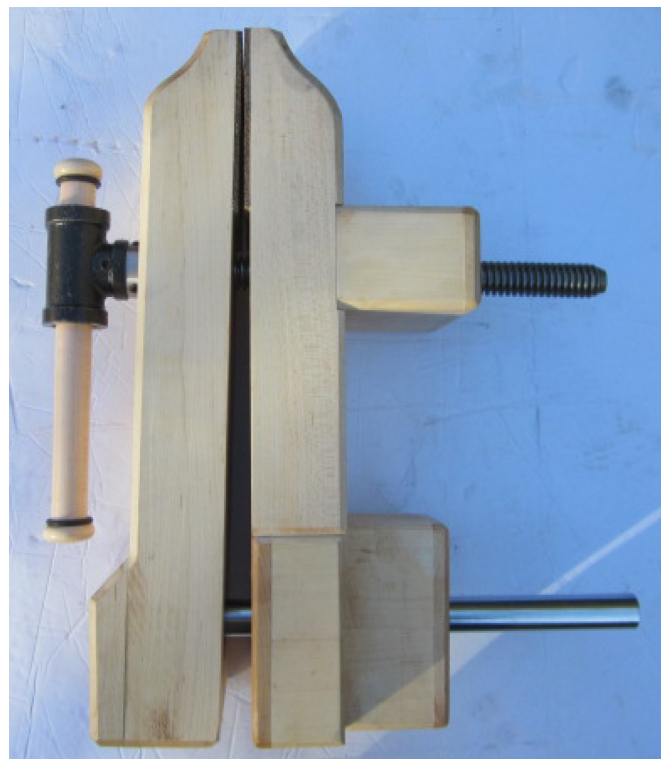
Income: \$408.00

Expense: \$948.68

Ending Balance: \$11,208.39

Does not include Petty Cash of \$86.00

*Submitted by Jack Kite, Treasurer*



*Workshop vise*

## UPCOMING MEETING

MARCH 20

### Live Edge Woodworking

*Guest Speakers: Quinn Ferebee and Doug Boytos*

Live Edge Wood Designs, LLC is a young company located in South Raleigh that specializes in building one-of-a-kind furniture and home accent pieces that showcase the natural beauty of the tree. The company is co- owned by Quinn Ferebee and Doug Boytos.

Quinn and Doug will describe their design and fabrication processes for producing premium items. In addition to showing examples of their work, they will cover slab sourcing, bark removal, flattening, fabrication, and much more.

*Host: Mike Payst*



## MEMBERSHIP COMMITTEE

TWA is happy to welcome the following new members:

- Peggy Wilson
- Duane Lindsey
- Bryan Heck

*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 or James Sapp | Google SketchUp   |                |                        |
| 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 Rhodes  
  
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 Rhodes  
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 Rhodes  
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](http://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](http://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](mailto:bill@edwardsmountainwoodworks.com)  
[www.edwardsmountainwoodworks.com](http://www.edwardsmountainwoodworks.com)  
*Tuition discount for club members.*

### The Hardwood Store

1-888-445-7335  
Gibsonville, NC  
1-888-445-7335  
[www.hardwoodstore.com](http://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](mailto:mkeglers@earthlink.net)

### Stock Building Company

919-828-7471  
3000 Yonkers Rd.  
Raleigh, NC  
[www.stocksupply.com](http://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](http://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](http://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](http://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](mailto: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](http://www.woodworker.com)

### Wurth Wood Group

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