

September 2017 Edition  
<http://www.abqawa.org>

**Preview of the  
September 9, 2017  
AWA Workshop starting at 9:00 AM**

For September's workshop, we have:  
**Ros Barnes and Jerry Trujillo presenting:  
"The Ultimate Router Table"**

This presentation will cover a wide range of topics, including but not limited to purchasing or custom making components, cost considerations, drawer design and flaws, overall design specifics, router choices and options, as well as guidance on safely operating such a machine and lessons learned. (Jerry Trujillo has requested that Ros give the balance of the presentation and he will add bits and pieces.)

**September's Workshop Specials**

Come to the meeting and see what the Woodworker's Supply specials are!

On the day of each monthly AWA meeting, in addition to the day's specials chosen to sync with the workshop topic, each of our members will be allowed to pick any one safety-related item, and buy it with the same discount terms, "our usual price, less 10%, unless it goes under WWS's cost". This would include feather boards, push sticks, hearing protection, eye protection, breathing protection, and other safety items from the big catalog. As an example, a member could buy a feather board OR a push stick OR any one of several other safety items at the same special discount. This "safety special" will be an ongoing offer from WWS to our members, every month on the day of the meeting.

**Upcoming Workshops**

**10/14/17**

**Michael Fortune**

**FWW Contributing Editor**

**"HOW TO UTILIZE AN EIGHT STEP DESIGN SEQUENCE THAT WILL PROVIDE DOZENS OF IDEAS FOR ANY PIECE OF FURNITURE." at LA CUEVA PERFORMING ARTS CENTER (PAC)**

**from 9:00 - 4:00**

11/11/17

Cabinets and WW for My Kitchen Remodel  
Presented by Christophe Neander

12/09/17

Steam Bending  
Presented by Mike Sherard

The Education Committee is looking for individuals who would be interested in doing a presentation to our club. If you have a topic in mind and/or are interested in being a presenter, please contact Derek Roff at [derek@unm.edu](mailto:derek@unm.edu)

### Request for Input for an Upcoming Presentation

In 2018, AWA member **Neil Davie** will be presenting a workshop on **Design of Contemporary Casework** (cabinets, shelves, doors). Broad topics will include: distinguishing features of contemporary casework design, fundamentals of kitchen layout and design, trimless door jambs, and examples of contemporary casework produced by AWA members.

He is looking for input on this workshop:

- Do you have any experience with these topics?
- Do you know a subject matter expert on these topics?
- Do you have any project(s) you would like to share or present at this workshop?
- Are there any suggestions or related topics you would like to include?

Please contact Neil Davie, (505) 250-4873, or [ntdavia2@msn.com](mailto:ntdavia2@msn.com)

### August's Workshop Statistics

Attendance: 45 members & 3 guests.

\$10 Cash: Mike Sherard

\$10 Cash: Steve Shroeder

\$25 TJ Hardware Gift Certificate: Jim Templeton

\$50 Woodworkers Supply Gift Certificate: Rita Price

Glue syringes: Jim Templeton, Jo Kobler, Darrell Filkins

Pair of push sticks: Norb Siska

Shop made mobile base: Bryant Mitchell

Beautifully restored bench planes: Neil Davie, Hayden Hughes, David Ewing, Betty Trahan, and Jerry Wall

## September 9, 2017 SILENT AUCTION

No specific tools are being sold this month, but you never know what might show up, so come to the meeting and see what you may not be able to live without.

## August 12, 2017 Presentation

### Jack Henning presenting: “Table Saw Jigs and Fixtures” (written by: Derek Roff)

Jack brought together three fourths of a dozen different members to share their ideas and discoveries on jigs and fixtures, that make using the table saw safer, quicker, and/or more accurate. With such richness of material, supplemented by comments from the audience, I recommend that you watch the video for complete information. What follows is a brief overview of most of the items presented.



Ben Blackwell presented his very carefully designed miter sled, and how to use it effectively. It features: Threaded inserts, knobs for adjustment; slots (kerfs) for sawdust clearance; and fine adjustment, using feeler gauge and combination square and one test cut. After a single test cut, Ben showed us how to calculate how much to move the fence, and how to adjust it using a feeler gauge and stop block. Using Ben’s system, with one careful adjustment, the miter joints will come together without any additional cuts, trials and errors. Contact Ben for copies of his SketchUp drawings for his design.



Tracy Murray described the problems he has had using wood for runners on sleds and jigs. Wood moves, wears, jigs get loose, screws get loose. To address these problems, Tracy bought an Incra (brand) Precision Miter Gauge. He showed that this tool has adjustable pieces to give it perfect fit in any/every table saw slot. The tool comes from the company with set perfectly at 90 degrees, and it has stayed true for Tracy since 1974. The tool limits the maximum stock width for crosscuts to the space between the edge of your table saw and the front of the blade- 10 and a half inches on Tracy’s saw. For larger workpieces, Tracy tapes a Starrett carpenter’s square to a piece of plywood or MDF, and uses the square against the fence to produce a perfect square or rectangle on the workpiece itself.





John Henderson showed his motorized, infinitely adjustable box joint sled. His design was inspired by Ed Stiles “Box Joints Jig” YouTube video. John developed his plans from watching the video. Spacing is controlled by a threaded rod with 16 threads per inch, which makes one revolution of the adjustment crank equal to 1/16”. Counting the number of crank turns controls the finger joint spacing, and the design includes a revolution counting aid. John’s design and notes are on the AWA website, along with a SketchUp drawing. John uses the Freud Box Joint blade set. Multiple pieces can be cut at the same time. John built a box with 1/4” finger joints

on one corner, 3/8” on the next, 1/2” fingers on the third corner, and 5/8” finger joints on the fourth corner. The box came together perfectly. All the joints are cut with a 1/4” thick blade kerf- you don’t change the blade, you just take multiple cuts for each slot, for the greater finger widths.

John uses a cordless drill to reset the workpiece carrier to the starting cutter position for the next set of workpieces, which is the “motorized” aspect of this jig. John also showed a spline cutting jig for adding decorative splines to an octagonal box.



Ivan Blomgren presented the Jess'em stock guide and hold down. With this device, the stock thickness is set from actual workpiece, and is easy to adjust. It guides the stock against the fence, as well as holding stock down and preventing kickback. Ivan also showed the Versatile L-Fence,



found in Fine Woodworking Issue 237, page 60. The L-fence is clamped to a rip fence, replacing sacrificial fence for dado work, or allowing pattern-guided cutting on table saw (similar to pattern routing). Since this fence never touches the blade, it doesn’t get used up, and you don’t have to remake it, over and over. Additional applications shown in the magazine include bevel cuts and other useful ideas.



Darrell Filkins and Tracy Murray showed the Incra Box-Joint jig - Darrell says it works well, but setup is still picky. The instructional video is excellent, Darrell says. He recommends using the pre-finished Baltic birch drawer side stock from Rugby Lumber, both for drawers and for other projects. Darrell will



post further information with the AWA video. This jig has a built-in backer board, and built in micro-adjust. Tracy felt setup time is reasonable. Don't forget that after you add glue, the joint will be much tighter. The jig keeps your fingers away from the blade. Tracy likes this jig especially for making shop drawers from Baltic birch plywood. He says it is fast to use, fast to setup, and Tracy is very satisfied. Jerry Trujillo also endorses this product.

Rich Lehoucq presented the Inca 5000 precision miter gauge system, which marries a precision miter gauge to secondary Inca support and crosscut sled pieces. This gives the combination a greater maximum width of stock behind the blade, addressing the limitation that Tracy mentioned earlier. The system allows precision miters and other angle cuts, with precision to 1/10 of a degree, and protection against tearout.



Ros Barnes showed us many useful items and ideas: a table saw cover from 1/4" masonite will protect surface from rust from drink glasses, etc, gives new flat surface; a sacrificial fence; stop blocks for positioning the rip fence- he used to use Rockler clamps, but now uses magnetic wooden block. The magnets hold it to the steel table, and the rip fence is pushed against the block. For thin stock, use a sheet metal L to keep veneer and other thin stock from sliding under fence. Make a zero-clearance throat plate, and adjust the fit with aluminum tape. Level the inserts with adjustment screws from bottom- make a bunch of inserts to match different dado

widths. Precision trimming with router table and pattern bit; repeatable cuts for thin strips with hinged stop block; box spline jig; box joint jig from Shop Notes, with replaceable inserts; the Wedgie sled for cutting segmented bowl pieces, for turning, inspired by Jerry Bennett Segmentology and Dave Mueller on YouTube; Assorted push sticks - Gale suggests adding PSA sandpaper to push sticks, for better control over the workpiece. Brass height gauges- 6 sizes to adjust the cutter height- or use stainless steel keys from True Value as height gauges. Snap-Check digital height gauge; splitter for zero-clearance insert. Check the video for the details of the many great things that Ros presented.



Derek Roff showed yet another variation on the miter sled. A key feature of his design was stops with screw adjustments for the angles, so that the perfect joint could be dialed in a few thousandths at a time. Finger joints jigs showed up very frequently at the meeting, and Derek contributed his finger joint sled, which uses a small Inca Jig mounted on a shop-built sled. Derek says that this solves the cumulative error

problem that is inherent in many finger joint jigs (but not John Henderson's). Derek also endorsed the push stick made from a Marshall Town foam trowel, recently featured in Fine Woodworking Magazine. "It really works well."





Mike Sherard gave us a comprehensive presentation on cutting finger joints, and other joints, using a Digital Read-Out - DRO. Mike tested a Wixey DRO costing ~\$120 (industrial ones start at \$2500 and up). He posed the question, "Could a cheap DRO work well enough?" Maybe not- an inherent flaw- the finest precision these inexpensive tools can measure is 0.005", which isn't precise enough.

Auxiliary parts are screwed onto the table saw, including electronic measurement scale which is read by the DRO. The table saw must be tuned up and squared before adding the DRO, squaring blade to table, to miter slots, and aligning rip fence. Mike covered these alignments in detail, including aligning rip fence to miter slot by using wedges in the miter slots. To make a finger joint, Mike made a printed table/list of all the fence positions needed for each cut. Since the Wixey cannot see movements below five thousandths of an inch, it's useful to measure very carefully the width of the true kerf cut by the blade - cut a kerf, put in a metal shim and feeler gauges, measure the sum of these pieces with a digital caliper or micrometer, after you get a firm slip fit. After you know the true width of the kerf cut by that blade, in that saw, add this to the offset for each cut, in building the cut table/chart. Mike gave us a lot more information, so watch the video to get it all.



**Safety Tips, Woodworking Tips, Experiences**  
**(If you have a tip that you would like to share, send it to the editor, Ros Barnes, RNBBNZ@MSN.COM)**

From Ben Blackwell: I had a safety incident with my table saw. From a safety perspective, what is wrong in this picture? Yes, I am about to cut into the miter jig.



Without thinking, I turned on the saw and treated the miter gage as if it were a crosscut sled. Bang!!! The safety mechanism on the SawStop activated and here is what the blade and SawStop cartridge looked like.



Nineteen teeth of an 80 tooth blade were damaged before the aluminum block stopped the rotating saw blade. The miter gage had a nick but is still functional.

The moral of this story is “Don’t Stop Thinking” while in the shop. It could have cost me a lot more than a saw blade and SawStop cartridge. At least I know the SawStop safety feature worked on this event. The blade carcass hangs on the wall in my shop so hopefully I will not make that dumb mistake again.

Also from Ben: I stumbled across this table saw accident on youtube. <https://www.youtube.com/watch?v=kIfuViyki0Q> This guy (Matthias Wandel) is very experienced and makes a lot of good woodworking videos. The mental lapse occurred because he could not hear the spinning blade over the roar of the dust collection. Fortunately, he had turned off the power to the table saw before it bit him.

**AWA “Mentor List”**

(from Ros Barnes, newsletter editor, [RNBBNZ@MSN.COM](mailto:RNBBNZ@MSN.COM))

AWA is still looking for any members who are interested in being a Mentor for others in our organization. If you are at all interested, please e-mail me. You do not need any formal training to be a Mentor - just the desire to share your woodworking knowledge with others.

NAME	DISCIPLINE	CONTACT INFO
Ros Barnes	Cabinet (casework) design and construction, toy design and construction, equipment adjustment and tuneup, jigs.	505-864-8857 <a href="mailto:RNBBNZ@MSN.COM">RNBBNZ@MSN.COM</a>
Gale Greenwood	Cabinet making, case goods (eg: chest of drawers).	505-256-1379
Frank Warren	Toy design and building, and scroll saw and scroll saw projects	505-962-9212
Alan Voda Steve Wagner	Plastic casts and molds	Alan: 268-7096 or <a href="mailto:amv6775@gmail.com">amv6775@gmail.com</a>  Steve: <a href="mailto:bigjawbone@mac.com">mailto:bigjawbone@mac.com</a>

**2017 Community Service Project  
(Formerly known as the “Toy Project”)**

AWA has been generating toys for this next holiday season. Presently, there are over 500 doll beds, 200 whales, 100 mustang cars, 120 boats, and numerous other toys that have been completed by many of our AWA members and friends. Watch and listen for how you can help with this project.

Jim Templeton has held several parties at his woodshop. Listen for the dates for toy distribution and participate if you can.

## NM State Fair

### **AWA discontinuing State Fair Woodworking exhibit**

(From Mike Murray, repeated)

The Albuquerque Woodworkers Association Board voted at its January 11, 2017 meeting to discontinue the AWA Woodworking Exhibit at the New Mexico State Fair. Fair officials have been notified. This decision resulted in part from the recent member survey in which the Fair came up last. Only 30% of respondents had ever visited or participated in the Exhibit. Each year we have struggled to get enough members to show their work. Only 17% responded that they would be likely to enter in the future. Many suggested that we needed to have people doing things as do the Wood Turners. However, AWA insurance would not cover the use of power tools at the exhibit. Richard Parker brought in his workbench last year to encourage exhibit “hosts” to be doing handwork, but only a few members did so. Finally, The exhibit consumes from 100-150 person hours for check-in, set up, judging, teardown, and hosting. Kudos to all those who have participated in the past.

## New Members

(No new members for this edition.)

## AWA Name Badges



**Steve Schroeder** is the volunteer that makes badges for those members that need them.

## AWA Shirts, Smocks, & Hats

Ivan A. Blomgren is taking orders for club caps, shirts, etc. Due to the lack of volume and associated shipping costs our embroidery shop experiences on small orders, it has been decided we need to switch to placing orders on a quarterly basis in hopes of boosting the volume for each order so the per item shipping costs can come down.

The way this procedure will work is that members can place orders with Ivan up until the **third meeting** of each quarter. The collected orders will then be submitted to the embroidery shop and should then be available for distribution **at** the first meeting of the **following** quarter. **Full payment for an order will need to be submitted with each order form before it can be processed!** Order placement cut off dates for each quarter will be as follows:



1st Qtr:	Jan - Mar	Order cutoff:
	<b>March meeting</b>	
2nd Qtr:	Apr - Jun	Order cutoff:
	<b>June meeting</b>	
3rd Qtr:	Jul - Sep	Order cutoff:
	<b>September meeting</b>	
4th Qtr:	Oct - Dec	Order cutoff:
	<b>December meeting</b>	

Order forms can be downloaded and filled out from our web site as well as from Ivan at our meetings.

## AWA Classifieds (Members Only)

### Tools for Sale

From Neil Davie: KV 8505P-26" heavy duty (150 LB) drawer slide, full extension +1.25", NEW, was \$25.00, now \$20.00 or make offer.

Also, new desk pen kits: Gold colored metal ballpoint pen and matching funnel mount, \$4.00/each (7 available), and a used carried saw blade, 7-3/4" dam. X 48 tooth ATB X 1/8" kerf, \$10.00.

Contact Neil Davie [ntdavia2@msn.com](mailto:ntdavia2@msn.com), or [505-250-4873](tel:505-250-4873).

### Tools Wanted

Erin O'Donnell (AWA member and CEO & Founder of Dovetail Community Workshop) is looking for a good deal on a used bandsaw. If you have one, you can contact her at [mailto:dovetailabq@gmail.com](mailto:mailto:dovetailabq@gmail.com). You can also visit the website at <http://dovetailworkshop.com/> as well.

## AWA website

**Steve Scott** is our WebMaster. The Web Site has a fresh new look and some neat photos! There you can find a list of the Board of Directors, a Calendar of events, and an Application Form. Check it out at:

<http://www.abqawa.org/>

## Workshop CDs and DVDs

The AWA Library is currently unavailable as we move the collection to a new home, but we hope to make materials available for checkout again soon. If you haven't used the library before, we encourage you to take advantage of this resource. A list of books is currently posted on the AWA website.

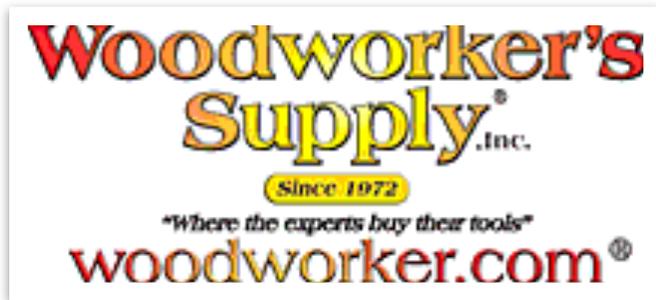
We also hope to launch a new online system soon that will make it very easy to find and check out books, and we hope to make it easy for members to pick up and return books when they check them out.

**Sawdust On The Brain (humor via Ros Barnes)**



**A “woodworker” using a “Skill Saw”, unskillfully??  
He might get sawdust in his coffee.**

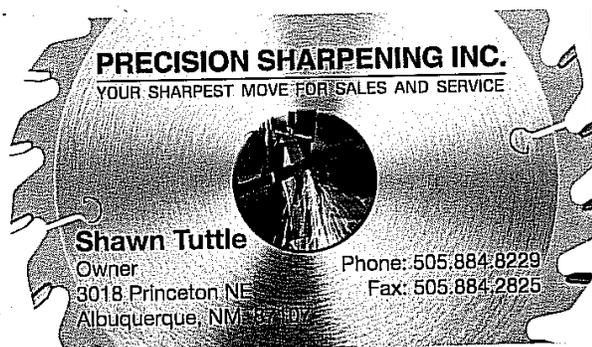
## AWA SPONSORS



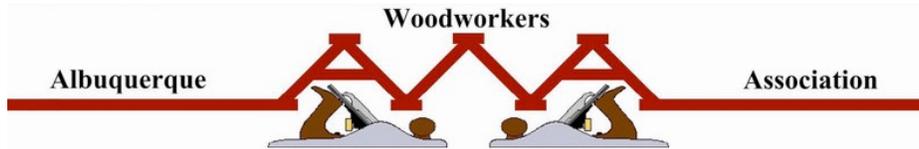
**TJ Hardware**  
311 Amherst Dr. NE  
Albuquerque, NM 87107  
505-881-4325  
[www.tjhardware.com](http://www.tjhardware.com)



Montana Reclaimed Lumber  
[info@mtreclaimed.com](mailto:info@mtreclaimed.com)  
PO Box 741  
Gallatin Gateway, MT 59730



(AKA *STOCK SUPPLY* on Edith)



## Membership Application

**Mail to:** P. O. Box 36133 Albuquerque, NM 87176-6133

### DUES:

Dues are assessed on a calendar year basis. **Please pay a pro-rated amount of \$3 per month to the end of the current year** plus any additional years to extend your membership. Please check appropriate boxes.

- One Year - **\$36**     Two Years - **\$68** (a 5% discount)     Three Years - **\$97** (a 10% discount).  
 Lifetime Membership - **\$360** (10 times annual dues).  
 Full-time students (under 22) in an accredited educational program receive a **50%** discount.

**Amount Paid:** \$ \_\_\_\_\_ (Prorated current year + additional years)

Name: \_\_\_\_\_

Spouse: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Telephone: Home: \_\_\_\_\_ Work: \_\_\_\_\_ Cell: \_\_\_\_\_

E-mail (please use all capital letters): \_\_\_\_\_

**I agree that Albuquerque Woodworkers Association, including the officers, will not be liable for any injuries or bodily harm resulting from the operation and activities of the Association.**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Please sign, date, and send this form (with payment by check) to the above address or bring payment (check or cash) to the next AWA Meeting/Workshop. If you got this membership application off the website the form is fillable on your computer so download, complete, and print.

\* We would appreciate your answering a few questions so we can make your membership in Albuquerque Woodworkers Association as satisfying as possible:

• How did you hear about AWA? \_\_\_\_\_

• What special skills do you have that might be useful to AWA?  
\_\_\_\_\_

• Are you retired or semi-retired?  Yes  No Comments: \_\_\_\_\_

(Revised 5/17/2016)