

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

**Preview of the
July 8, 2017
AWA Workshop starting at 9:00 AM**

For July's workshop, we have:
**Glen Sellers presenting:
"Designing and Building a Table"**

While Glen will be using end or side tables in this presentation, some of the design elements and joinery can be utilized in any type of table. The presentation will cover the design process, detailed techniques, and how to select what types of joints will work best with your table design.

July's Workshop Specials

Catalog: 277C Spring 2017
Dowels pg 142 & Dowel Jigs pg 173

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

08/12/17

**Table Saw Jigs and Fixtures
Presented by Jack Henning**

09/09/17

**The Ultimate Router Table
Presented by Ros Barnes and Jerry Trujillo**

10/14/17

**Michael Fortune
FWW Contributing Editor
(Topic to be Determined)
AT VALLEY HIGH SCHOOL**

11/11/17
TBA
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

June's Workshop Statistics

Attendance: 45 members & 6 guests.

\$10 Cash: Jack Homing

\$10 Cash: Tracy Murray

\$25 TJ Hardware Gift Certificate: Jim McCoy

\$50 Woodworkers Supply Gift Certificate: Robert Ewing

Boxes of screws (donated by Jerry Wall): Cindy Boyd, Steve Schroeder, and Jim Scott

A Shinwa Square (donated by Steve Schroeder): Darrell Filkins

FWW Design Book (donated by Neil Davie): Jim McCoy

Sid Evans won the silent bid auction for the router table donated by Darrell Filkins

July 8, 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.

June 10, 2017 Presentation

“CUTTING DOVETAILS BY HAND AND JIG”

Michael Mocho

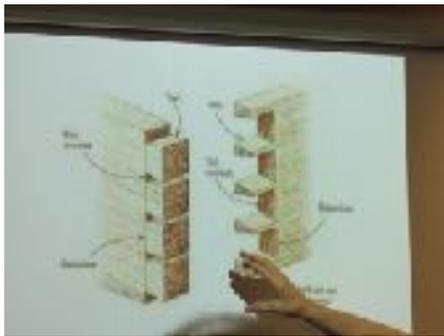
(written by: Tracy Murray)

Michael began with a disclaimer: There are many ways to cut dovetails that yield good results. He has developed a number of techniques and hints over the years. Moreover, there is a legitimate difference between professional woodworkers with a monetary incentive to be effective and efficient and hobby woodworkers whose objective is pride in workmanship regardless of the time it takes.



It is clear that Michael knows his craft and loves to talk about it. His discussion covered more ground than I can explain (owing to space limits and my inadequacies as a scribe). I will skip over many of the issues attempting to choose those which Michael considers more important.

His introductory remarks set the stage for the issues he wished to emphasize. His examples mainly dealt with dovetails used as the primary joinery for making drawers. He did mention in passing that box-joints are suitable for drawers and yield stronger joints because they have more useful glue space (long grain to long grain). But tradition, mechanical strength and attractiveness favor dovetails. If you wish to use finger joints, Michael suggests that one purchase the Incra I-Box Joint jig (Amazon price \$164).



A drawer contains two sides, a front, a rear, and a bottom. The sides have tails cut on each end; the front and rear boards have pins on each end. Typically for drawers the front is made from an attractive hardwood (primary and more expensive wood) and the sides and rear are of secondary wood (less expensive). The angle of the tails equal the taper of the pins which range from 1:6 (10 degrees) to 1:8 (7 degrees). Choose a lower degree angle for hardwoods and a higher degree angle for soft woods. Be aware that high angle tails are prone to split at the ends whereas lower angles have lower mechanical strength.

Michael mentioned three additional design issues. Using half pins on the top and bottom of the front and rear pieces reduces the tendency of the sides to twist over time. Some woodworkers choose material of equal thickness for the front, sides and rear pieces; Michael indicated a preference for thinner sides than front and rear pieces.

Typical drawer design includes half blind dovetails for the front and through dovetails for the rear; an alternative is to use through dovetails for both the front and rear and add a false front as is common in kitchens; or resaw the front piece, cut appropriate length through dovetails and glue the resawed piece back onto the original front.



Cutting the Dovetails



- Mill the four pieces (2 sides, front and back). Cut the four pieces to final length. You may wish to mill an additional side and front or back for practice and testing. Mark the four pieces with the “carpenters’ triangle” for future reference.
- Layout#1: With an accurate marking gauge mark the depth on the tail and pin sockets on the four boards including the edges on the side boards. If you wish to cut the pin boards first, draw the angle on the end grain; you will cut parallel to the sides of the front/back boards (Michael’s choice). Recommended marking gauge “Veritas” \$40.



- Lighting - LED low angle is important.
- Sawing: Cutting the pin board involves ripping; use the appropriate saw with narrow kerf, many teeth and sharp teeth. (Note: Most Japanese saws are designed for cross-cutting softwood.)
- Technique: Align the saw to your wrist, elbow and shoulder. Your feet and body position should remain solid but permit a straight line movement of your wrist, elbow and shoulder.

- Removing the waste: There are many options; Michael used hand chopping. He has a guide board with sandpaper glued to one side which he aligns with the layout lines marking the depth of the tail sockets. The guide and board are held solid to the work bench using a holdfast (sold by Gramercy \$20 each). He chisels the top side 50%; reverses the board and chisels the other half; and strongly recommends having a minimum hollow ground sharp chisel. He then carefully pares the sides of the pins.
- Layout#2: Lay the cut pin board on the uncut side board at 90 degrees (recall carpenters' triangles). With a sharp pencil trace the pins onto the tail board. Repeat the sawing, technique and removing the waste as before. Note: Cut undersized to allow adjustments. This completes the cutting of dovetails.



Assemble the Drawer

- In many cases prefinishing the drawer pieces prior to assembly is a good idea.
- Michael glues both the pins and the tails.
- He does not assemble the entire drawer at one time. He glues one or two joints and then assembles the other pieces dry. He clamps as necessary to yield square joints.
- The bottom is designed to slide into the drawer slots from the back after all gluing is dried and attached using a small screw. This enables some disassembly later for repairs.

Michael also mentions alternatives to hand cutting such as using JIGs, routers, bandsaws, table saws and even scroll saws for removing waste. Most of these are partial aids that reduce the time in cutting dovetails; the final cutting will still be by hand.

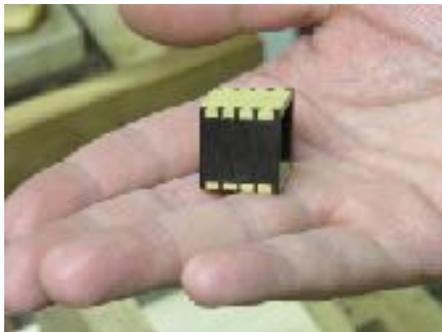


Most affordable JIGs have uniform spacing that poses a problem with design; the drawer height is limited to particular dimensions, especially if you wish to have half pins on the top and bottom of the front and rear boards.



I have hand cut dovetails with some success. After this presentation/demonstration I can't wait until my next opportunity. Michael took us through the entire process very clearly and pointed out numerous techniques that cannot help but make us better woodworkers. His style of presentation is truly outstanding — well organized content, excellent rapport with the audience, questions clearly answered, and a little humor thrown in. I welcome his next presentation.

(Editor's comments: This is a very small box that Michael made. I grew cross-eyed just looking at it! Also, here's a closeup of his chiseling mallet.)



Member's Work

(There were no presentations at this meeting.)

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)

by Ros Barnes: My brother-in-law and I decided to build a pair of storage cabinets with casters that will store under our drill presses. Because of the expense of good quality 3/4" plywood (including Birch Plywood - 5' X 5' sheets), we opted to purchase 3/4" A/C plywood from our local big box store. Huge mistake! When I picked up the plywood and loaded it into my truck, the two sheets were flat and true. For ease of transport, I set them on edge on my drywall cart in the shop. We didn't get around to making these cabinets for about two weeks, and both of these sheets warped about 2" over the 8' length! We managed to make both cabinets anyway, using these sheets, but had to make several modifications and used lots of clamps. Lesson learned - don't sacrifice quality and don't make due with inferior materials.

AWA "Mentor List"

(from Ros Barnes, newsletter editor, 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 RNBBNZ@MSN.COM
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 amv6775@gmail.com Steve: mailto:bigjawbone@mac.com

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

AWA is generating toys for this next holiday season. Watch and listen for how you can help with this project.

Jim Templeton has scheduled several parties at his woodshop. If you are interested, contact him at 505-898-1934 to be sure there’s still room.

July 15, 12 workers can be accommodated; and
Sept 16, 16 workers can be accommodated.

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. When Steve is not in attendance, please give your name to **Norb Siska** and he will forward your request to Steve.

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:
	March meeting	
2nd Qtr:	Apr - Jun	Order cutoff:
	June meeting	
3rd Qtr:	Jul - Sep	Order cutoff:
	September meeting	
4th Qtr:	Oct - Dec	Order cutoff:
	December meeting	

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" diam. X 48 tooth ATB X 1/8" kerf, \$10.00.

Contact Neil Davie 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>. 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

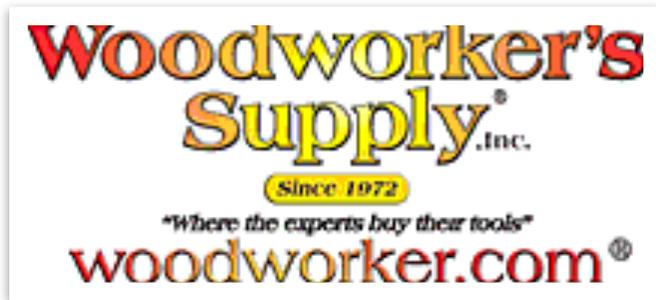
The AWA Library is currently unavailable as we move the collection to a new home, but we hope to make materials available for checkout again soon. If you haven't used the library before, we encourage you to take advantage of this resource. A list of books is currently posted on the AWA website.

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)



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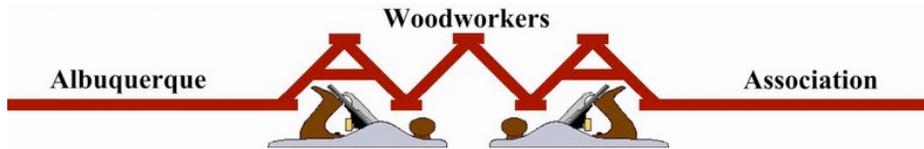


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Phone: 505.884.8229
Fax: 505.884.2825



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)