



April 2019 Edition

(Newsletter Editor: Ros Barnes, [rbbnz@msn.com](mailto:rbbnz@msn.com) or 505-864-8857)  
<http://www.abqawa.org>

### IMPORTANT ANNOUNCEMENT!!

**AWA will again be meeting in Class Room #4 at North Domingo Baca Multigenerational Center, beginning at 9:30 AM, concluding around 12:30 PM, on the **third** (3rd) Saturday of each month. Doors open at 9:00 AM.**

**This does not mean AWA is ending its relationship with Woodworkers Supply. We have spoken to Woodworkers Supply who has been a very generous sponsor of AWA for many years and will continue its support moving forward.**

### Preview of the April 20, 2019 AWA Workshop starting at 9:30 AM

For April, we have a two-parter:

The first half of the meeting will be used for a “**Membership Query**” requesting input as to what you want to see regarding AWA. This will be facilitated by **John Ellis**.

The second half will be a presentation titled “**NAILERS (and then some)**” by **Ros Barnes**. This will be a “broad brush” approach to cover how to use these tools safely, their intended uses (with “live fire” demonstrations), how to care for the tools, how to correct mistakes, and suggestions on how to choose a tool, plus a variety of other tangential topics.

Ros’ bio: I am a retired shop teacher, general contractor, and Los Alamos National Laboratory employee. I have a well-equipped woodshop with most every tool I need to make projects I enjoy. These projects include custom jewelry boxes, furniture, game boards, and jigs, as well as kid’s toys.

### April’s Woodworker’s Supply Specials

The specials are air nailers & nails (ppg. 471-475), hoses (pg. 479) and compressors (pg. 478)

**NOTE:** Since our meetings have moved to a new location, away from WWS, they have agreed to hold over their specials through the following Monday so that we may have a better opportunity to take advantage of those specials.

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

**05/18/19**

**“Designing Around the Construction Process”**

**Presented by Michael Mocho**

**06/15/19**

**“17th Century Chinese Chest”**

**Presented by Charlie Palmer**

**07/20/19**

**“Designing and Evolving a Woodshop”**

**Presented by Van Barta**

### March's Workshop Statistics

Attendance: 47 members & 4 guests.

\$10.00 Cash: J.P. Henriksen

\$10.00 Cash: Rex Borders

\$25 TJ Hardware Gift Certificate: Gary Reese

\$50 Woodworkers Supply Gift Certificate: Jerry Trujillo

### April 20, 2019 SILENT AUCTION

**(A note from Les:)** *If you have an item you want to donate to the AWA because 1) you no longer need to it, 2) you no longer want it, 3) you forgot (or never knew) how to use it, consider donating it to the AWA and we'll offer it in the silent auction during the meeting. If you have decided you have something like that and are going to bring it to the meeting for the auction, please let me know ahead of time so we can be prepared for it. Just send me an email at [secretary@abqawa.org](mailto:secretary@abqawa.org) and we'll have it all set up. Thank...Les*

A Silent Auction of woodworking items donated by members will be conducted during the meeting to offer items of greater value than those typically offered for the raffle.

Here's what to expect. If a member wants to donate an item he or she feels is of greater value than is typically raffled, that item can be entered in the monthly silent auction. The item is brought to the meeting, and the

member contacts the “auctioneer” who will provide a form asking for a short description, an approximate value, and a designation of where the funds are to be used if other than the general budget. The auctioneer will put a minimum bid on the form and announce the item is open for bid at the beginning of the meeting. Bids will be accepted until the presentation is concluded at which time the auctioneer will announce the highest bidder. It is expected that a winning bidder pay for and take the item they won immediately.

Les Bruce ([secretary@abqawa.org](mailto:secretary@abqawa.org)) will be the auctioneer at the Saturday meeting. If you plan to bring an item for silent auction it would be helpful to let him know ahead of time so we can have things prepared.

Items for the raffle and the silent auction are donations but if members wish to sell woodworking items rather than donate them, those items or description can be brought to the meeting and we'll post them on a “For Sale” board for members to see. There is a classified ads area on the new website (<http://www.abqawa.org/dir/forums/forum/classified-ads/>) where you can post items for sale to the membership. We will post items listed in the classified ads on the “For Sale” board at the meeting.

If you have any questions, send an email to Les.

## March, 2019 Presentation

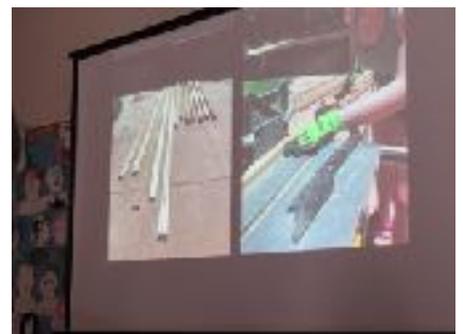
For March, we had:  
**“Wood Strip Boat Building”**  
**Presented by Lauren Pacho and Reid Schaeffer**  
(written by Derek Roff)

Basic Boat Building:

Lauren and Reid said that every so often they like to pick a project that will let them learn something completely new. This time, they decided to learn how to build a wood strip canoe. Living in Ohio, they started with no tools, no woodworking experience, and no workshop. The only thing missing was no water! So they moved to New Mexico. But that is jumping ahead. They completed the canoe while they still lived in Ohio.

They began building the canoe in their backyard but later moved the boat into the living room, to control temperatures. They followed Ted Moore's books and methods. There aren't too many tools needed for this kind of boat building. The block plane is the tool used most in this system. They used a Japanese pull saw, a spokeshave, side-rabbit plane, and other planes. Western red cedar is the preferred for boat building, grade A, knot free. Sitka spruce is another good choice. Any wood that is light, rot resistant, and knot free can be used. Choose plane or rift sawn lumber. After you resaw the wood, you will end up with roughly quarter-sawn strips.

The initial milling was done with a table saw. They milled in the back yard since some of the boards were 16' long. That means infeed and outfeed add up to 32', plus the saw dimensions. They sometimes had to pause for traffic driving down the alley. Moisture of the lumber that you buy isn't super critical, but something around 12% moisture is good. Use a thin kerf blade, to minimize waste, since many cuts are involved in the milling the 1/4" by 3/4" strips. It's good to keep the strips sorted by each board that the



wood came from. This will help with dealing with the color variation between boards. Longer boards may need to be built up from two pieces joined with 8:1 scarf joints. They used Titebond III (waterproof) woodworker's glue for the scarf joints. When finished, the boat is coated with fiberglass cloth and epoxy.

Lauren and Reid used the bead and cove method for the strips on their canoe, which is a common approach to preparing the strips. It is fast and effective. The staple method, where each strip is stapled to the previous one, is popular and fast. The staples are removed near the end of the process. However, Lauren and Reid prefer to avoid staples, even though stapling is faster. They feel that working staple-free produces a better boat. There is also a method using hot-melt glue to hold the strips in place during construction. The beads and coves are cut with a router table. This is a time to be careful and precise. It took them a couple of days to cut all the beads and coves in all the strips.



The first step in assembling the canoe is to build a wooden strongback. This provides a flat, rigid surface, at a good working height, on which the boat is actually built. This means the floor doesn't have to be flat or level. The strongback is the precision surface needed for accurate building. If you buy plans for your boat, you will receive paper plans for the molds, which define the cross-sectional shape of the boat at several (many) different locations. Re-create the molds from the paper plans onto plywood or MDF. These molds are then attached to the strongback.

One of the early glue-ups is making the bent laminations for the stems, inner and outer, front and back. The wood strips are steamed before bending. Lauren and Reid used West System epoxy. There are other epoxy choices, which may be cheaper. It helps to wear camouflage pants while you are gluing up. (The stains don't show). Blue tape is used on the molds, to prevent the strips from becoming glued to the molds. They learned this the hard way.



Wedges are used, in addition to clamps, to keep the strips tight, and avoid gaps. Good plans cost about \$120. That is for a license to build one boat. You can pay a small amount more, for a license to build a second boat from the same plans. About \$20 more for the second boat. You can buy a kit, instead of plans, which will include all the materials already milled. This will cost somewhat more than doing your own milling. They estimated that it costs \$700-\$1200 for all the plans and materials, when doing it yourself, as they had done, whereas the kit costs \$1200 to \$2000. The cost for the wood is around 50% of the cost, with the epoxy and fiberglass making up the other 50%.

After building each side up most of the way, work stops on one side, and the other side is built up past the center line. The strips on this side are allowed to run long. Then the centerline is marked across all of these strips, and cut with the Japanese saw. The centerline is trued up with a chisel and planes. Be careful here, because you will see this centerline joint on the inside and the outside. After the centerline is trued, the second side of the boat is built to the centerline. This takes much longer than the first side, since each end of each strip will have to be planed to fit in its position. The final piece has to be fit in without the cove. It is flexed into place, like a challenging custom puzzle piece.



After all the strips are glued on to reach the center, additional strips are added at the upper edges, to form the curve profile (when viewed from the side), which gives you the higher sides at the front and back of the boat (bow and stern). Then external stems are glued on. Next comes the fairing process. This is done with scrapers and planes. Because the wood is much softer than the glue, you can't sand to shape.

This would give you a washboard surface. After the scraping and planing, the final fairing step is limited sanding with a random orbit sander.

Next, move the boat into your living room, to apply the fiberglass and epoxy! This has to be done in controlled temperatures. Four-ounce and six-ounce fiberglass are commonly used. Lauren and Reid found four-ounce much easier to work with. The fiberglass was draped onto the cedar of the canoe. It is not necessary to stretch the fiberglass. After the first coat of epoxy is applied, the fiberglass 'disappears', and the wood looks like it was varnished. The first coat of epoxy wets out (saturates) the fiberglass. Later, two more coats of epoxy are added. After the outside is glassed, the molds are removed, and then the inside is faired and glassed. This is slower and harder to do than the outside, because of the concave shape. Excess epoxy will puddle in the bottom of the boat, so that requires extra care.

Next, come the trim steps. The gunwales (rails at the edge of the boat sides) are created and attached to the boat. The decks are created, and Lauren and Reid added a beautiful inlay of graceful curves. Working in the laundry room, they made the seats from a frame of ash, and interwoven nylon cords. They completed their canoe in the middle of the Ohio winter and were able to test it in the water, one day before the lake froze over. Success!

For the second half of their presentation, Lauren and Reid described this year's project. Building two boats at the same time, hers and his kayaks. Instead of the cove and bead, for the kayaks, they used a method which requires hand-beveling each strip. This was done with the Veritas side rabbet plane. Lauren said that she really enjoyed the planing work. This time, they knew to put release tape on the molds before beginning to glue on the strips. Using the beveled strip method, they found clamping much easier. Lauren introduced a beautiful helical strip design of contrasting wood, which wraps around the entire boat. She said this was very time consuming, but the result is beautiful. The top and bottom halves of the boat are built up, with molds inside. The joint between the upper and lower halves is held together during the strip-gluing process, via hot glue. Later, the hot glue can be cut with a razor knife, the halves are separated, and the molds removed. Before that, the cockpit must be cut out to the correct size and position. Position is important so that the bow doesn't dip or rise when the boat plus person is sitting in the water.

Fairing is similar to what was done on the canoe described during the first half of their talk. They scraped the glue and did some planing. This time, they started with coarser sandpaper (80 grit) on the random orbit sander, but this sander was not the final fairing stage. The best fairing tool was the flexible Mirka 'long board' sanding block, powered by hands and arms. The longboard can be flexed to match concave and convex curves. Using Abranet mesh abrasive, the longboard allowed attaching a vacuum for dust collection, which helped a lot.



They stained part of the wood with SolarLux stain. The stain highlighted the helical strip on Lauren's kayak. Reid didn't use stain, but used a color contrast between cedar and basswood as a design element on the decking area. Lauren chose to use carbon fiber cloth on the inside of her kayak, with is stiffer, lighter, and more



expensive than fiberglass. The carbon fiber for her kayak cost about \$200, whereas fiberglass would have cost about \$50 for covering the same part of the boat.

The coaming lip is a narrow vertical section of wood, which is assembled around the cockpit opening, to which the spray skirt will be attached. The spray skirt keeps the water out when using the kayak, especially when the water is rough.

Paradoxically, the first step for gluing the top and bottom halves together is to cut them apart. During the gluing up of the strips, the top and bottom halves were held together with hot glue. Now that glue joint is cut apart with a razor knife, and the molds are removed. Next, the two halves are temporarily taped together on the outside, and then a strip of fiberglass (or carbon fiber) is epoxied on the inside, bridging the seam between the top and bottom halves. After that adhesive has set up, the temporary tape on the outside is removed, and a similar strip of tape is epoxied to bridge the outside seam. As described in building the canoe, the kayaks were moved into the living room, to finish applying the fiberglass and epoxy. Lauren and Reid are almost done with building their two kayaks. Still remaining to be done is applying the clear finish. This time, they plan to use an automotive clear finish, which will give a very tough, UV-resistant surface.



Lauren and Reid gave us a fascinating overview of small boatbuilding, with excellent photos and a few short videos of their construction process. This was a rare opportunity to follow the boat building process, combined with their self-transformation into skilled woodworkers. We greatly enjoyed their very engaging presentation, and it's a blessing to have them as new members of AWA.

## Special Announcements

**Ben Blackwell** came across this interesting router bit test, performed by Rob Brown, and published in an issue of *CANADIAN WOODWORKING*. Check it out at:

<https://www.canadianwoodworking.com/tools/router-bit-comparison>

### WOODWORKING (AND WOODTURNING) CAMP HELP NEEDED!

Due to popular demand, we're going to be teaching the woodworking camp at Explora again in Summer 2019! The camp dates are Mon-Fri, July 29-August 2, 2019, from 9:00am-12:00pm. In this camp, teen-aged students (middle school and high school) will be exposed to woodworking. In the first two days of the camp, we explore carving with a knife, grain direction, and hand tools such as planes, chisels, and gouges. By the second day, the students make a spoon. In days three to five, the students are introduced to the lathe, and by the last day, they make objects such as honey dippers and finger tops. (And yes, they use a skew, and quite well too!)

You need not be an expert woodworker (or woodturner) to coach—you only need to be enthusiastic about wood! And if you want to help, but are unable (or unwilling) to coach, we can use your help with materials preparation and with lending us tools—carving knives, pocket knives, drawknives, planes, spokeshaves, spindle roughing gouges, spindle gouges, parting tools, and skews. We will gladly sharpen your hand tools and return them to you sharp. If you would like to coach, we will be doing “coach-the-coach” training sessions. We've already scheduled sessions at Explora for May 23 and May 25, but we can be flexible with scheduling.

Please contact **Hy Tran** ([hy.d.tran@gmail.com](mailto:hy.d.tran@gmail.com)) or **Shane Yost** ([syost35903@comcast.net](mailto:syost35903@comcast.net)) if you want to help.

Thank you!!

**Bernell Rice** needs someone to stain and seal two freestanding bedroom cabinets. The cabinets will be available about mid-March and he will transport them to the person to do the finish work. If you are interested, contact Bernell at 816-260-8604 or [brice@realitytrustgrp.com](mailto:brice@realitytrustgrp.com)

**Jo Lynne Fenger** contacted AWA about having an interested member build some artist's stands and bases for her. Her contact information is [jolynne555@gmail.com](mailto:jolynne555@gmail.com) or 505-933-5404.

**Frank Warren's** woodshop is up and running 7 days a week from 9-4pm for working on toys. Anyone who wishes to participate and have time during these days and hours, call Frank at 962-9212. His address is 4972 Turquoise Dr. in Rio Rancho. Thanks.

From **Derek Roff**, regarding the **Woodworking Design Special Interest Group (SIG)**:

We welcome any and all members, who want to discuss woodworking from a design perspective. Bring in your sketches, drawings, plans, or finished pieces. Tell us about design problems that you are facing, or design solutions that you have discovered. We are interested in improving our designs for fixtures, storage and tool accessories in our shops, as well as design issues for our furniture and other woodworking projects. Please come to our meeting and share your design ideas and questions.

Many members use the SketchUp software, and many do not. We will have a computer data projector available, so any common form of data or image file can be projected. Bringing your drawings on paper is also welcome. If you are interested in woodworking design, please consider joining our meetings, for a chance to discuss design issues at greater depth than is possible during the Saturday meetings.

The meeting venue is Cherry Hills Library, 6901 Barstow St NE, Albuquerque, NM 87111 (roughly Harper and Barstow), 4th Tuesday each month, 5:30-7:30pm.

(from March 26, 2019) Present: Ben, Rex, Ivan, Nick, Larry, Stefano, Rich, Tracy, Tony, and Derek.

We began our discussion with Ben showing a drawing that he used to design and build a wooden auxiliary table that covers the metal table on his drill press. He demonstrated several ways that Sketchup aids in moving and aligning parts, so that the holes that need to be drilled in one component, such as the wooden table, can be accurately aligned with the holes or slots that already exist in another piece, such as the metal table.

Next, Nick showed us a couple of projects designed in the software Fusion 360. This software is free for hobbyists and small businesses. It involves a program installed on ones computer, as well as a web-based element, which can be a disadvantage with a slow internet connection. Nick likes the parameters feature of the program, which allows adjusting the sizes and other traits of pieces in the project at any time. Nick says that Fusion 360 also allows pieces and components to move easily in the drawing.

Rex showed two turned, segmented bowls that he had made, along with a handout that explains how he calculated and designed the bowl blank. The bowls have a profile similar to the bell of a trumpet. His handout helps figure out how to layout and cut the segments of each ring, and the diameters of the different rings that are glued into a stack, to make the turning blank.

Larry is modifying his kitchen, and showed some drawings representing the current layout, and the modifications that he plans to make. This involves changing a peninsula into an island, allowing easier movement and flow between the kitchen and the dining room. He will have a large square table, about 7.5' on a side, with a about 15" overhangs over the central storage below the table. One of the challenges is is how to use that storage space effectively.

Tony is building a large dresser/chest of drawers, six feet long and 23" deep. One of his concerns is whether the weight of the dresser can be supported by the base, without sagging. There was a lot of discussion about whether there is a problem with sagging, and if so, how to solve it. Tony tentatively concluded that adding two more feet near the center (for a total of six legs), might be his preferred solution.

Rich has the goal of building three chests of drawers this year, to match the three beds that he made last year, one for each of his children. He brought drawings of his plans, in their current state, to discuss possible changes and improvements. His design is a synthesis of many drawings and plans that he has found from different sources. He is currently planning to have four full-width drawers, with two smaller half-width drawers at the top. One dresser will be made from walnut, one from maple, and one from ash. There was a lively discussion on many different options of design and construction.

***World of Wood is back!***

World of Wood is back up and running on the wholesale side of business.  
(See their ad at the end of this NL for their e-mail. No phone number available at this time)

**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](mailto:RNBBNZ@MSN.COM))**

(None for this issue.)

**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>
Bill Cotton	CNC, 3D printing, laser engraving and joinery questions.	phone 505.306.6819 <a href="mailto:wyzarddoc@yahoo.com">wyzarddoc@yahoo.com</a>
Gale Greenwood	Cabinet making, case goods (eg: chest of drawers).	505-256-1379
John Gonser	Toy design and maker (Note: John [an AWA LIFE Member] lives in Grand Rapids, Michigan, but is willing to mentor anyone via email, telephone, or other means, and he has some original designs he is willing to share.)	616-949-0061 <a href="mailto:john.gonser@sbcglobal.net">mailto:john.gonser@sbcglobal.net</a>

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>
Frank Warren	Toy design and building, and scroll saw and scroll saw projects	505-962-9212 <a href="mailto:AB5WJ@cableone.net">mailto:AB5WJ@cableone.net</a>
Bill Zerby	Tool Sharpening	505-263-6632 <a href="mailto:william.zerby@gmail.com">mailto:william.zerby@gmail.com</a>

## New Members

**John Endres, Lauren Pacho, and Reid Shaeffer**  
all from Albuquerque joined in March.

***WELCOME!***

## AWA Name Badges



**Steve Schroeder** is our AWA volunteer who makes badges for those members that need them. You can contact him at [stefano.abq@gmail.com](mailto:stefano.abq@gmail.com).

## AWA Apparel



**Ivan A. Blomgren** is our AWA volunteer who takes orders for apparel.

The cost for each item includes an AWA embroidered logo.

1. Caps are \$12 each and are available in Red, Dark Green, Navy and Stone colors.

2. Long Sleeve Denim Shirts are \$29 each and are available in Dark Denim, Light Denim, and Washed Black colors.

Men's sizes are S, M, L, XL, 2XL, 3XL, 4XL, 5XL, & 6XL. Tall sizes are available for an additional \$6 each.

Ladies sizes are S, M, L, XL, 2XL, & 3XL.

3. Short Sleeve Denim Shirts are \$29 each and are available in Dark Denim, Light Denim, and Washed Black colors.

Men's sizes are S, M, L, XL, 2XL, 3XL, 4XL.

4. Short Sleeve Key West Performance Staff Shirts (two Pockets) are \$35 each available in White, Cloud Blue, Green Mist, Khaki, & Navy colors.

Men's sizes are S, M, L, XL, 2XL, 3XL, & 4XL.

Ladies sizes are S, M, L, XL, 2XL, & 3XL.

5. Polo Shirts with pocket are \$27 each available in White, Black, Forest, Campus Gold, Light Blue, Burgundy, Classic Navy, Classic Red, Electric Blue & Platinum colors.

Men's sizes are S, M, L, XL, 2XL, 3XL, 4XL, & 5XL.

Ladies sizes are XS, S, M, L, XL, 2XL, & 3XL.

6. V-Neck T-Shirts are \$19 each available in White, Black, Turquoise, Ocean Blue, Maroon, Navy, Red, True Royal & Silver colors.

Men's sizes are XS, S, M, L, XL, 2XL, & 3XL.

Ladies sizes are S, M, L, XL, & 2XL.

Names can be added to shirt orders for an additional \$5 per name.

Those who are members of the New Mexico Woodturners can also have the NMWT logo added for an additional \$5 per item.

Orders are placed quarterly with the last meeting for each quarter being the deadline for submitting orders. Orders are expected to be available for pickup the first meeting of the next quarter. The procedure for placing an order is to take the completed order form to the treasurer for payment. The treasurer will indicate payment has been made on the form and then give the form to Ivan for order submittal.

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**

For those wishing to have a logo added to an existing garment, Ivan has a local embroidery shop source you can take them to for embroidery. See Ivan for the details.

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

## AWA Classifieds

From **Neil Davie** (Phone or Text: 505-250-4873):



½ HP electric motor, 1725 RPM, 120 or 220 V single phase, reversible. \$25

FREE Torsion box platform I used for a DeWalt abrasive chop saw. 7'x2'x4", many other possible uses.

From **Jim McCoy**:



12" Parks cast iron planer, HD 3 phase motor (could be swapped for single phase motor). \$700.00 cash. Call Ray at (505)898-2132.

Two Davis Wells cast iron shapers, 1" shaft (both), 220v single phase motor on both. \$600.00 cash each. Call Ray (505)898-2132.

(Fuzzy photo) Agazzani B24 Model 600 Bandsaw w/ 15 3/4" Resaw Capacity, 4.8 HP 230V 1 Phase, Mag. Controls, Rip Fence, Cast Iron Wheels, Vulcanized Rubber Tires, Emergency Stop Button, Two Micro Switches on Doors, Footbrake w/ Micro Switch, Two 4" Dust Ports, Easy Table Tilt Lever. MMK-2 Vega Rollerbase w/ Handle. Try Master Carbide Tipped Blade: 185" x 1" x 2/3 VP blade (needs resharpening). \$2695.00 new, asking \$1300.00. Please call Chuck at 505-288-4503.

## AWA Website, CD's, and DVD's

The AWA website continues to grow and change. Most recently, the links to the AWA library on the members page have been updated, and the library's catalog has been updated to include even more great woodworking books. This library is a terrific resource for our club's members! It contains information on all aspects of the craft. If you are interested in checking out a title, please contact librarian Steve Scott at [webmaster@abqawa.org](mailto:webmaster@abqawa.org) and let him know what you'd like. He'll bring your selection to the next AWA meeting for a one-month checkout period.

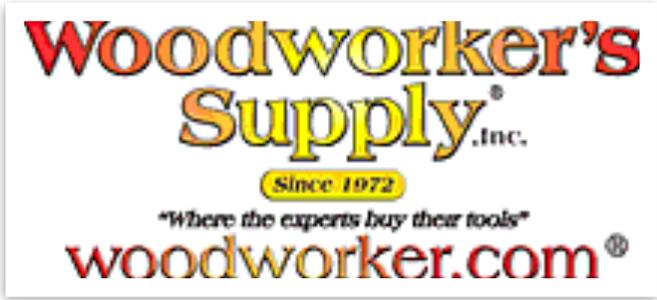
## Sawdust On The Brain (humor via Ros Barnes)

Somebody's always making improvements:

Chainsaw anyone?



AWA SPONSORS



Montana Reclaimed Lumber

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Building Materials and Construction Services

Hardwoods and Plywoods

Gallatin Gateway, MT 59730

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5815 Edith Blvd NE, Albuquerque 87107

(505) 823-2200



1050 18th St., NW, Albuquerque 87104

(505) 924-2270

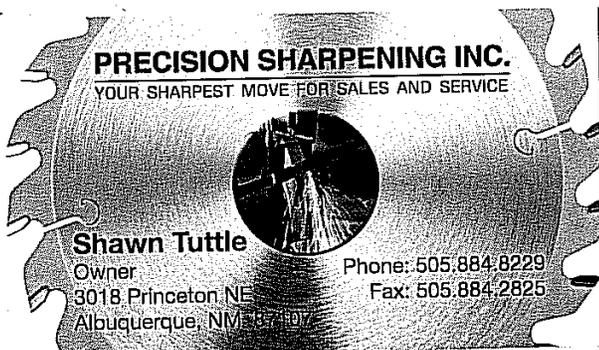


**TJ Hardware**

311 Amherst Dr. NE  
Albuquerque, NM 87107

505-881-4325

[www.tjhardware.com](http://www.tjhardware.com)





## 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 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. The membership application 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:

- Are you willing to volunteer a few hours to help with various Association activities?  Yes     No
- What special skills do you have that might be useful to AWA?:

- 
- Are you retired or semi-retired?  Yes     No    Comments: \_\_\_\_\_  
(Revised 11/6/2018)