



May 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 May 18, 2019 AWA Workshop starting at 9:30 AM

For May we have:

**“Designing Around the Construction Process”**

Presented by **Michael Mocho**

Problem-solving can be both the joy and the pain of woodworking, and design motivations will always influence the final work. Some projects begin with a particular functional requirement, others are inspired by a specific form, a particular technique we may want to employ, or a material with qualities we would like to feature. Whatever the impetus, starting the building sequence in full dimensions without adequate planning for basic structural considerations can result in compromises to both aesthetics and functionality. Michael will present a wide range of adaptation strategies to fit a variety of design motivations and present both historic and contemporary examples, as well as those drawn from his 43 years in the trade as a full-time craftsman.

**Michael Mocho** - has been a full-time craftsman since 1976 with extensive experience in furniture design, woodturning, architectural millwork, pattern making, and stringed musical instruments. He has completed residencies at the Arrowmont School of Craft, Anderson Ranch Arts Center, and the International Turning Exchange program at the Center for Art in Wood in Philadelphia. Michael is an acclaimed and enthusiastic instructor and has taught at many of the top craft schools, regional, national, and international woodturning symposia, and over 70 chapters of the American Association of Woodturners in the US and Canada. He is currently working in a custom millwork shop while taking on a variety of private commissions.

## May's Woodworker's Supply Specials

BBWW18 pg. 362-371 (excluding Stanley, Incra, Starrett, and Oneway).

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

06/15/19

**"17th Century Chinese Chest"**  
Presented by Charlie Palmer

08/17/19

**"Dowel Joinery for a Mitre Saw Table"**  
Presented by Ben Blackwell

07/20/19

**"Designing and Evolving a Workshop"**  
Presented by Van Barta

## March's Workshop Statistics

Attendance: 50 members & 1 new member.

\$10.00 Cash/ea: Larry Blanchard & Jim McCoy

\$25 TJ Hardware Gift Certificate: Joel Gabe

\$50 Woodworkers Supply Gift Certificate: John Henderson

## 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 April, we had a two-part presentation:  
"Membership Query", facilitated by **John Ellis**  
and

"Nailers, and then Some", presented by **Ros Barnes**

**John Ellis** facilitated today's first half presentation. He has served as president of both the Albuquerque Woodworkers Association and the New Mexico Woodturners many times over. He stated that the woodturners have successfully brainstormed topics with good success and although 2019 is already booked up for topics and presenters, the board of directors chose to query the membership for new and fresh ideas for the future.

**Ros Barnes** received his BA in Industrial Arts from Adams State College and his Master's Degree from UNM in Industrial Education. He is a retired junior high shop teacher and general contractor and Los Alamos National Laboratory employee. A longtime woodworker, Ros is a frequent AWA presenter, and very active member of the organization. He has over the years built three shops, his current is a bright, well-organized and spacious 1,500-square-foot shop in the foothills of the Manzanos where he turns out large and small projects, some for profit and some for grand/great grandkids and others.

### Membership Query – John Ellis facilitator:

This was a sort of brainstorming session to involve the membership for new/future topics. John will analyze these data then present them to the directors for planning and research.

Process – John first listed the last five years of topics on flip charts, giving each topic a separate voting space. As each chart filled up it was then taped to the wall. He then opened the session to the group for suggestions. Again, as the ideas filled the flip charts, these were taped to the walls. Afterward, when every new idea was listed and finally stopped flowing, John invited each person in attendance to "vote" for 12 topics from the whole collection by placing a mark in the voting space beside the topic.

Since the votes will be analyzed and presented to the directors for assessment, this summary simply lists the brainstormed topics below: *(EDITOR'S NOTE: The compilation will be sent as a separate attachment.)*



- Woodcarving – hand and power
- Dust control/filtration
- Staining
- Dealing with twisted/rough wood
- Accurate miter cuts – simple and compound
- Bandsaw tune-up
- Sanding
- Musical instruments
- 32 mm cabinet system
- Overall shop safety/first aid
- Shop design for blended hand and power tools
- Electrical power distribution in the shop
- Toy design
- Power tool maintenance and tuneup
- Marketing and pricing
- New Mexico woods
- The basic starter shop – what to include
- Basic woodworker techniques and tools for new woodworkers
- Cordless power tools
- Wood identification
- Club orientation and mentoring
- Refurbishing an old table
- Small boxes
- Chisels – types, uses, sharpening
- Tours/off-site visits
- Lathe tools/turning orientation
- Glues
- Woodworking joints – pros and cons
- Cove cutting on the table saw
- Building and fitting drawers
- Fire safety (dust and electricity/static)
- Spray safety (finishing)
- Online educational courses and sources
- Group workshops
- Scroll saw projects
- Fastener decisions
- Marquetry/inlays
- Modular furniture construction
- Japanese wood working

### **Nailers ... and then some – Ros Barnes presenter:**

History and nomenclature - Nails versus brads—penny versus wire gauge size.

Whereas penny gives one some intuitive impression of nail size (16d nail is bigger than 12d), but brad gauge sizes do not (a #12 is thicker than a #16 brad).

Nails - Most common nails used in wood to wood construction are referred to in “d” or penny terminology. The “d” is the symbol for penny, which can be traced back as far as the Ancient Roman Empire. There are two theories as to how exactly the measurement came into being. What is conclusive is that the “d” stands for the Roman coin denarius. In English it means “the penny.” The denarius was the coin which many a person used in the Roman empire during the time when Rome occupied what is now England. That’s why it’s called a penny but uses a “d” as the symbol.

Brads – are based on wire gauge which refers to the number of operations required reduce it to a specific physical diameter. Gauge originated in the British iron wire industry at a time when there was no universal unit of thickness. The sizes of the gauge numbers were the result of the process of wire-drawing and the nature of iron as a substance. Since a “4 gauge wire” has to be “drawn” four times to reach its diameter and a 12 gauge has to be drawn 12, the larger diameters have smaller numbers.

Safety –

Respect it – don’t fear it—understand the risk and work with it. Nailers can send its projectiles out at about 100mph, so think about eye protection (ANSI 287/287.1) and where one’s body parts are located relative to the workpiece and the projectile’s intended/possibly deflected vector. Note that a face shield may or may not qualify for eye protection.

- Keep your finger off the trigger
  - Most require the tip to be depressed and the trigger pulled
  - Some, like roofing nailers are designed to work with the trigger pulled and shoot when the tip is depressed



- Know your equipment—yours may or may not require each in sequence – OR – the feature might fail

- Aim only at what you want to shoot
- Know the position of the discharge port
- Finger positioning
- Remove extra fasteners from the equipment when done
- Disconnect the air hose when you aren't using the gun
- Don't connect quick disconnects (QD) in series as you might be trapping pressure in the gun

Considerations –

- A projection fastener will not draw parts together – clamp or close the gap otherwise then nail
- Know the specific QD type for safety and to avoid leaks at the connection—there are many types
- If your system requires oil, (some now don't) use it as directed, a little bit goes a long way
- Consider inverting the gun in storage to drain oil into the chamber
- Moisture condenses in air lines even in dry country and will cause line deterioration. You can incorporate desiccators, moisture separators, and refrigerated compressed air dryers in the system
- Release the air from tanks when not being used to remove the condensate and prevent rust
- The nails/brads are glued together in long clips or rolls to automatically reload the system and when the projectile shoots out, the driving forces melt the glue with some glue sticking to the projectile which enhances adhesion to the wood (Ever tried to pull the nails from a shipping pallet?).
- A rule of thumb for nail selection, the nails should be at least 2x the width of the material being attached.
- Pin nails may or may not have a head. Study the cartridge to verify intended nailing direction.



In addition to safety issues, a side blowout caused by wood grain or knot can really mar a nice project and the best way to deal with it is simply to snip it off close to the surface then recess the rest with a fine tipped punch.

Good idea – Ros has attached a wood block that is just thick enough and wide enough to keep his brad nailer set up to shoot the brads perpendicular to the workpiece.

Ros wrapped up with a show-and-tell from his pneumatic and electric nailers and staplers used over 30 – 40 years in his business and hobbies. Some are truly vintage, some new, and some have been rebuilt but they all work today. Many makes and models exist, but whether pneumatic, electric, propane, or whatever, the point is to know your equipment, its features, and its risks.

## Special Announcements

### 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 skewers. 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) or **Shane Yost** (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@realtytrustgrp.com](mailto:brice@realtytrustgrp.com)

**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 April 23, 2019) Present: Ben, Tracy, Sid, Ivan, Jerry, and Derek.

Sid asked for ideas on how to add a pair half-shelves to an already built free-standing cabinet with two shelves. He is helping a friend divide the piece so that it will have four shorter shelves in the right half, while the current two shelves will remain in the left half. The new half-shelves will be connected to the cabinet by a pair of vertical dividers, which Sid will add at the center of the existing shelves.

He has the potential to attach the top of the upper vertical divider via screws driven from above the top of the cabinet through the top shelf and into the upper edge of the top vertical divider. Similarly, he can screw into the bottom of the lower divider from below the bottom shelf. The problem is how to attach the vertical dividers where they meet at the center of the existing shelf. The upper edge of the lower divider could also be attached with screws, this time through the center shelf, but that leaves no obvious way to attach the upper vertical divider where it meets the center shelf.

Several ideas were suggested, including routing a stopped dado both across the current center shelf and on the edge of the upper vertical divider. Then the pieces could be joined with a wooden spline. Another suggestion

was to use commercial hidden shelf supports- heavy gauge bent wires, that fit into a dado in the edge of the vertical divider (in this case). These support wires cost about \$1.25 each. [https://www.hardwaretree.com/productdetail.php?prod=X-520934U&gclid=EA1aIQobChMIy6Xqp7Ln4QIVDtRkCh14aAlFEAQYAyABEgJGDfD\\_BwE](https://www.hardwaretree.com/productdetail.php?prod=X-520934U&gclid=EA1aIQobChMIy6Xqp7Ln4QIVDtRkCh14aAlFEAQYAyABEgJGDfD_BwE)

Jerry talked about making 270 linear feet of baseboard molding for his house. The interesting challenge is building and installing the baseboard molding to accurately to follow the shape of the hand-applied plaster along the large radius curved corners in some places, and the smaller bullnoses at many corners. At the smaller radius corners, Jerry created a faceted corner from short pieces of straight molding. For the larger radius curves, he plans to cover the wall to floor joint with bent laminated curves. Jerry brought in a sample of his first test bent lamination, and he has made another test. These first trials are OK, but not quite up to Jerry's standards. He got more springback than he expected, and he had some small gaps at a few spots between some of the laminations. Jerry used a single side form, and a lot of clamps. Matching all the non-square angles and non-perfect curves in the house is quite a challenge. The group discussed various aspects of creating bent laminations, with several members sharing what they had learned in the bent laminations class at Santa Fe Community College.

Ivan discussed his progress on building a beautiful artisan woodworker's bench that he has been working on for a while. He used a router sled box to flatten the bench top, and showed pictures of using this jig. Then he went through his thoughts on how to add a maple frame around the bench, with dovetailed corners, which he likes for aesthetic reasons and also to remove the tendency of the end vise to sag slightly when open. The question is, how do you cut such large dovetails in such large pieces of wood (six feet long and several inches wide and thick)? He plans to follow Michael Fortune's general approach of cutting the dovetails with a bandsaw and some special jigs. Everyone shared Ivan's concern about whether he can attain the level of accuracy the Michael Fortune 'promises'. Ivan will keep us posted.

Ben showed a complex multi-function router jig with multiple clamps to hold different size and shape pieces as they are cut on the router table. The challenge that he wanted to discuss was the coping function. He found that the backer board tends to vibrate out of position during the cut. The backer board is essential to avoid tearout in the workpiece. What is a good way to keep the backer board and the workpiece properly in position and in alignment during the cut? Members discussed how the pieces are clamped on a couple of different commercial jigs and some shop-made options.

Tracy talked about his plans for building a new router table. He has chosen the Incra LS fence/positioner system, the Incra dust collection hood, which Ben described as very effective at an earlier meeting of the Design SIG, and a Jessem (branded) 15-Amp router, the Pow-R-Tek, made in China, which offers several advantages for router table use. It has an external speed control adjustment knob and an accurate current-speed readout, along with a remote switching. He will be able to use his current router lift, with an adapter. Tracy says it looks great, and costs about the same as the big Porter Cable. But the item is back-ordered until June, so it will be a while before Tracy can tell us how wonderful it is.

Finally, Ivan talked about how to join two pieces of melamine-coated shelf material, in order to create a shelf that will be 11.5 feet long. He was considering using the 'finger-joint' router bit, that creates interlocking sawtooth patterns, intended to connect short boards into longer ones. This joint has a lot of surface area for glue, but the 'fingers' of the joint are not very long. Ivan was concerned about cutting such long pieces of stock on the router table, but equally concerned about using this cutter in a hand-held router. A member offered the use of the Festool Domino, and Ivan concluded that he could get better results with the tools he has, by cutting dados in the end of each half of the shelf, and joining them with a wooden spline.

We had a smaller group than usual, but the discussion was interesting and wide-ranging. I hope that more AWA members will join us next month. As always, we meet on the 4th Tuesday of each month at the Cherry Hills Library, 6901 Barstow NE, 5:30 - 7:30 pm.

**South Broadway Library Exhibit:**

In an ongoing effort to let more folks know about AWA and what our organization does, Bonnie Ullman, Rick Martin, and Ron Danner have put some 50 items (30 provided by 10 members - the remainder representing the Toy Project) on display at the South Broadway Library, 1025 Broadway S.E., until May 31st. Have a look:



Find some time and drop by the library to see this display. It may become an annual event.

Thanks Bonnie, Rick, and Ron, plus Shane Yost, and Les Bruce, as well as Nancy Griffiths and the library staff!!

***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	Plastic casts and molds	Alan: 268-7096 or <a href="mailto:amv6775@gmail.com">amv6775@gmail.com</a>
Steve Wagner		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**

(None for this issue.)

**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 Botton, 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 resharpener). \$2695.00 new, asking \$1300.00. Please call Chuck at 505-288-4503.

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

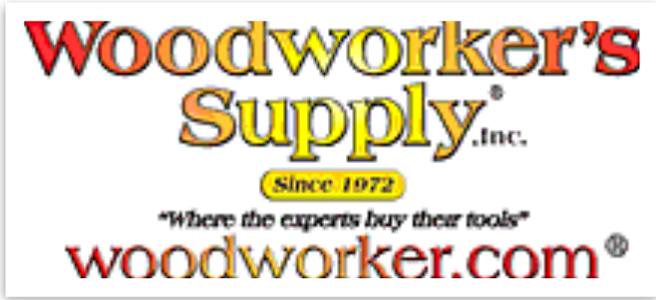
The AWA website continues to grow and change. Most recently, the links to the AWA library on the members page have been updated, and the library's catalog has been updated to include even more great woodworking books. This library is a terrific resource for our club's members! It contains information 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)

**Leg cramp?? What leg cramp!**



AWA SPONSORS



Montana Reclaimed Lumber

<http://mtreclaimed.com/home>

PO Box 741



Building Materials and Construction Services

Hardwoods and Plywoods

Gallatin Gateway, MT 59730

(406) 763-9102

5815 Edith Blvd NE, Albuquerque 87107

(505) 823-2200



1050 18th St., NW, Albuquerque 87104

(505) 924-2270

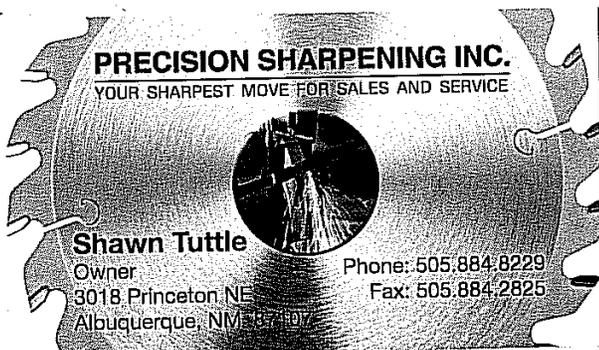


**TJ Hardware**

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)