

The Anvil's Horn

A Publication of the Arizona Artist Blacksmith Association

Issue No. 170 September 2014



Jay Burnham-Kidwell, our July demonstrator

President's Message:

Where has this year gone? It seems like only yesterday we were anticipating the summer heat and figuring how to cope with it. Now the kids are heading for school and the snow birds will soon be on their way.

Speaking of changes, it is time to consider some that are coming to AABA. As previously announced, I will be stepping aside as President at the end of this year. Paul Diefenderfer has offered to step up and Jason LaBrash has assumed the responsibility for putting together our programs in 2015. We still need people to come forward and carry on the tradition by volunteering to serve as board members.

When I first became an AABA member I was amazed by the talent and teamwork that emerged in our organization. The preparation for the 2000 Flagstaff conference was my initiation period. Our chapter worked for 2 years to put together what is still considered to be the best ABANA conference ever held.

By the time you read this the 2014 conference will be history. I hope that it was a success. During the years that I have been a member, our organization, AABA, has enjoyed the reputation of being one of the most active chapters/affiliates in the country. This is due in large part to working with our neighboring chapters to share the cost of bringing in new talent. The Brits, namely, Peter Parkinson, Henry Pomfret, Adrian Legge, Richard Bent, and Mark Constable, are just a few we have been able to import. We were also able to bring in well-known smiths from throughout the U.S. I hope that the board will continue with this tradition.

I'm sorry that I missed the Flagstaff event. From the photos and what I have been told, Jay did his usual excellent job with the copper raising demonstration. I look forward to seeing all of you at the Camp Verde event featuring George Witzke.

Safe and productive forging,

Doug Kluender

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**Demonstration: Saturday
September 20 and 21, 2014
Bill and Karen Morris' place**

195 W. Fort McDowell place
Camp Verde, AZ

Demonstrators: George and April Witzke

- George will be discussing and explaining tooling, technique and texture.
- April will demonstrate patinas to enhance George's textures.



Registration opens at 8:00 AM. The demo starts at 9:00 AM Saturday
Registration fee: \$15 for members, \$20 for non-members

- Plenty of space is available for tent camping and limited space for dry RV camping.
- Lunch is on your own.
- Saturday night BBQ will be hosted by Bill and Karen Morris. Bring your own meat/fish/veggie burger and alcoholic beverage. Tossed salad, beans, desert, coffee, soda, water and music will be provided.
- On Sunday, coffee will be available, but breakfast will be on your own.
- Tailgaters are welcome.
- Bring things for Iron-In-the-Hat and Show and Tell.

Places of interest in the Camp Verde area include Pieh Tool Co., Fort Verde State Park, Montezuma's Castle, Montezuma's Well, and the Cliff Castle Casino.

Remember Iron in the Hat

Thanks to all of you who have participated in Iron in the Hat. By purchasing tickets and donating items, you help support AABA events and projects. Items for donation can be a tool, piece of art, something you don't need in your shop, a great book, t-shirt, hat ... something an AABA member would enjoy.

Directions to the Morris' place

195 W. Fort McDowell Pl., Camp Verde, AZ

- I-17 to General Crook Trail, Exit 285
- Turn right at the stop sign.
- At the next stop sign turn right onto east 260.
- Turn right on Quarterhorse Lane (first right east of the bridge).
- Go about 1/2 mile to Fort Apache Rd.
- Turn right on Fort Apache Rd.
- Turn left on Fort McDowell (first street on the left) to 195 which is the white house with maroon trim on the left after the road curves.

As always, safety glasses are required.

Our demonstrators for September

George Witzke

I started hammering in '94 after taking a three day class with Gordon Williams. Four years later I quit my day job and went full time smithing. I started out doing small arts and crafts shows. As things progressed we started traveling and doing bigger high end art shows, which gradually worked into doing predominately custom work. April built a website that eventually generated about 80% of our business. Since most of our business was internet based, about 8 years ago, we moved to New Mexico. Since then, I've dabbled in galleries and wholesale sales to small gift shops and I've started steering away from custom work. (It would be OK if not for the customers.) So, now starts a new season. I'm thinking about tool making and doing a little teaching. Whatever keeps me pounding iron. After all, it is the Fountain of Youth.

April Witzke

I am to George as Tonto is to the Lone Ranger. Together we operate Witzke Iron Works with George wielding the hammer and me working with the clients, running the office and always playing with the patinas. With the shift in directions for the Witzke Iron Works, I now work with Pieh Tool Company in Promotions and Marketing creating their newsletters, scheduling classes and working with schools that teach metalwork. I am a huge enthusiast of the art of blacksmithing and once served as AABA's President. I look forward to visiting with everyone at the demo.



Textures and patinas

July Demo Report

The Pioneer Museum of the Arizona Historical Society was the site of our demonstration in July. Cool weather in Flagstaff with variable clouds and only a few drops of rain made for a great day. About 25 AABA members plus a couple of students watched Jay Burnham-Kidwell demonstrate basic hollow forms in copper. After his demonstration, Jay handed out some small sheets of copper for us to get involved in hands-on activities. Several members of the public also stopped by as they toured the museum. (Photos: Bill Ganoe)



The Museum



The demonstration area



One of Jay's pots with a pattern handle. Jay pointed out that this pot should be tinned before cooking food in it. Copper easily combines with almost anything, and the combinations may well be toxic.



Annealing the copper. Jay advised that you should direct the heat at the convex side. Heating the concave side will cause the heat to be directed toward the center, and you may melt through.

July Demo Report (cont.)



Grizz' home made stool.



Grizz' items for Show and Tell



Jay's items for Show and Tell



Wade Smth's Show and Tell

July Demo Report (cont.)



A good selection of things for Iron in the Hat



Dief filled in for Len for Iron in the Hat, with, of course, assistance from Terry.



Hands-on work in the afternoon.

In Ryan Callaway's demo, he showed a good pattern transfer method. Just take the pattern to be copied and place it on the metal and spray it with a cheap spray paint. The blank can then be easily cut from the sheet steel!



Reprinted from the newsletter of the Philip Simmons Artist Blacksmith Guild, July/August 2014.

This might be useful for doing your odd shaped hollow forms.

2014 AABA Annual Auction/Banquet

Our annual auction and banquet is coming up soon on November 22!

It will be held at Sahuaro Ranch at the Packing Shed which is near the Blacksmith Shop. Delicious steak, chicken or veggie burgers will be grilled and the side dishes will be served up pot lock style. Bring your favorite comfort food or secret recipe. Look for the registration card in the next newsletter to order your main dish.

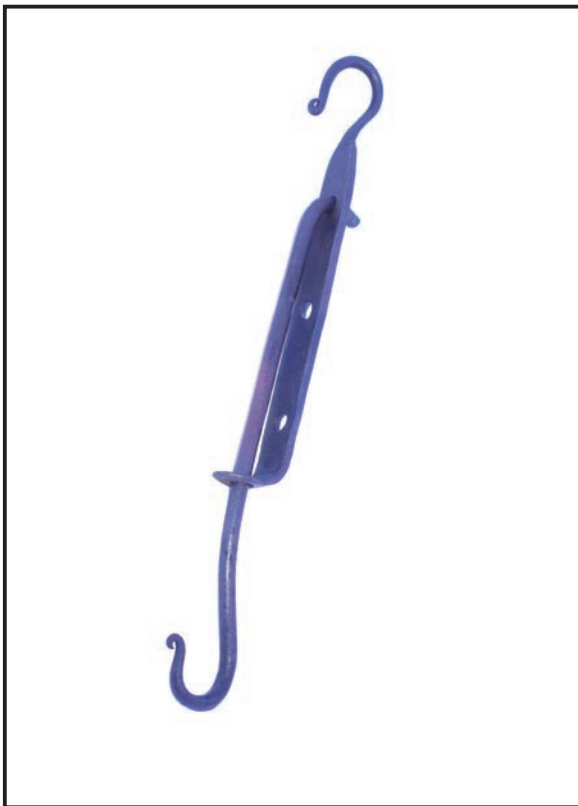
As always, you'll have a chance to purchase some great ironwork from your fellow smiths. But there won't be any items to purchase if no one brings them. If all you can make is a key chain or a bottle opener, we want it. But if you are willing to make a table or a mirror frame, we won't refuse it either. All

of your donated items will be auctioned off to raise money to help fund and offset the costs of the great demonstrators that we are having at some of the bimonthly demos over the next year.

Also, we are not looking for just forged knickknacks and furniture for our auction. If you happen to have some extra tools that you're not using or maybe they need a little fixing up, bring them with you. This is your chance to unload these heavy burdens and let someone who really needs them take them home. As always, we still need help with this year's auction and banquet dinner. We need help with everything from planning to cooking the food. We will also need your help with equipment for cooking as well as portable heaters in case it gets a little chilly. If you need something to do or you have something to offer contact Jason and he'll get you working.

You can call Jason at 602-717-1459 or email him at jason@grizzlyiron.com.

Examples of items donated for the 2013 AABA Auction



Small and simple



Big and challenging

(Photos: Wally Warnke)

Cornfest 2014 Camp Verde, AZ

Bill Morris

The CAMP VERDE CORNFEST is held on the third weekend of July in Camp Verde, AZ. The corn is donated by Hauser & Hauser Farms of Camp Verde, and the proceeds go to the town. I'm told that over four hundred dozen ears of corn were sold during this year's event. This year our AABA Board Of Directors agreed to change the date of our July Demo in Flagstaff, so that local AABA members could participate in a Blacksmith Demo during the CORNFEST.

Since 2009 a group of a group of AABA members with the support of the Camp Verde Historical

Society (CVHS) have been presenting blacksmith demonstrations several times a year during town events. The Society donated an anvil and post vise and established a "Smithy" next to the historic Camp Verde Jail which has been restored by a group of dedicated and talented CVHS members.

Our next event will be during Fort Verde Days in October, but don't wait to come to Camp Verde and get some Hauser corn.

Photos: Sarah Harms and Bill Morris



Sarah Harms at work



Marc Larsen, Sarah Harms, and Jim Sheean



One of Sarah's hooks. It doesn't have to be complex and fancy for these public demonstrations

CALENDAR 2014 - 2015

September 14	Open Forge	Desert Rat Forge	Cave Creek
September 20	Demo, George & April Witzke	Bill & Karen Morris'	Camp Verde
October 4	Open Forge	Circle of Iron Forge	Tucson
October 12	Open Forge	Desert Rat Forge	Cave Creek
November 1	Open Forge	Circle of Iron Forge	Tucson
November 22	AABA Auction/Banquet	Sahuaro Ranch	Glendale
January 17, 2015	Demo, Heather McLarty	Desert Rat Forge	Cave Creek

Pieh Tool Blacksmithing Classes

Beginning/Intermediate Classes with Gordon Williams

Schedule for the rest of 2014:

Sep. 26 - 28 (Sold out)
Oct. 24-26 (Call for status)
Nov. 21-23
Dec. 12-14

\$455 for three days of classes at Pieh Tool in Campe Verde. For complete details call 928-554-0700 or browse to **www.piehtool.com**.

Apology and Request

There was a temporary technical glitch that caused mail sent to **editor@azblacksmiths.org** to disappear into the ether. If you submitted something for this issue and it didn't show up, I apologize. Please resubmit your material.

If you didn't submit anything for this issue, please think about submitting something for the next issue. This is the newsletter for all the AABA members anywhere in Arizona. Your material doesn't have to be fancy, just a few sentences and some photos or drawings. It could be about an upcoming event, an art show you participated in, something you made, a mistake you learned something from, etc.

Deadline for the November issue

September 29 is the deadline submitting photos and articles for the November issue of the Anvil's Horn.

Send articles, pictures, etc. by email to:
editor@azblacksmiths.org

or by regular mail to:

Bill Ganoe, PO Box 40233, Tucson, AZ 85717

Welcome New Members

Nicholas D'Oliveira, Phoenix, AZ
Stephen Salasek, Phoenix, AZ
Eugene Duran-Alcantar, Phoenix, AZ
Bob Anderson, Phoenix, AZ

Coal order

The AABA Coal Buy Preorder for 2014 is over. The coal was delivered in mid-April. We still have several tons available for purchase starting at \$25 for 50 lbs. Larger quantity pricing will be determined on a case by case basis. Please contact Michael Sobrado at **dragonforge1@cox.net** with your inquiries.

MCC Blacksmithing & Welding

The Mesa Community College blacksmithing program is an excellent deal - over 60 hours of instruction including material and propane! Saturday (Jaime Escobedo instructor) and evening classes (Dan Jennings instructor) are available. Blacksmithing is WLD 103.

TIG, MIG, Arc, Gas, and Art classes are all available, as is certification in any of those welding methods at Mesa Community College, Southern and Dobson in Mesa.

Classes fill up early. For more information go to: **www.mesacc.edu**

If you try to register for any Welding Department classes on line, and you find all the classes are closed (full). Contact me (Dan Jennings) at **danshammer@cox.net** with the class number (time and days) of the class you'd like to take - I'll get an override number so you can sign up.

AABA Website: www.azblacksmiths.org

Open Forge: Tucson

Ira Wiesenfeld will be hosting an open forge on Saturday, October 4, and Saturday, November 1, 2014 at Circle of Iron Forge, 1801 W. Overton Rd., Tucson. 520-742-5274 or treeira@hotmail.com.

Open Forge: Desert Rat Forge

Paul Diefenderfer will host an open forge on the second Sunday of each month from 9 am to noon, followed by lunch (You gotta' buy your own.) at the world famous Big Earls Greasy Eats in Cave Creek. Desert Rat Forge is at: 40218 N. 78th St. Cave Creek. 602-509-1543 or dief@phoenixrockgym.com

Directions: From the center of Cave Creek (the 4-way stop at Cave Creek Rd & School House Rd.) head north on School House 1.5 miles to Highland Rd. (If you get to the 4-way stop at Fleming Springs you have gone a tad too far.) Turn right (east) on Highland. After about 1 mile the pavement ends. Keep going on the gravel road until the pavement starts up again. Turn right through the stone walls down a paved driveway. You are there!

Wanted: Living History Demonstrators

The Tucson Presidio is expanding their living history program. To keep the work load for any one individual from getting too heavy, additional volunteers are needed to be living history demonstrators, especially blacksmiths. For more details, contact Bill Ganoe or email newvolunteers@tucsonpresidio.com

If You Are Attending An Open Forge...

You might not be aware but this, but these events are not funded by the AABA. They are hosted by our members for all of our benefit. So if you participate in forging, welding, use shop materials, or accidentally damaged something. Please offer do donate to help out or help with the cost of replacing a item. Thank you! From all of your open forge hosts.

Gordon Williams Blacksmith School

Gordon Williams teaches the regular 3-day classes at the Pieh Tool shop in Camp Verde. He is also teaching short (4-hour) classes and intensive 6-day classes at his shop near Camp Verde. Check out the details at www.gwblacksmithschool.com

AABA Membership

Benefits for members include:

Reduced registration fees at demonstrations and workshops

A one year subscription to the bi-monthly newsletter, *The Anvil's Horn*

Connection to members throughout the state who can answer questions and give advice.

Free classified ads in the *Anvil's Horn* and on the AABA web site.

AABA New Member and Membership Renewal Form

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Email _____

Professional blacksmith _____ Hobbyist _____ Farrier _____ Blade smith _____

Your main blacksmithing interest _____

Occupation or skill _____

Please check one:

Regular membership (\$30) _____

Family membership (\$35) _____

Mail to: Terry Porter
2310 E. Melrose St.
Gilbert, AZ 85297

Make Check Payable to AABA

Call to Artists

GLOW! 2014, A Nighttime Art Experience

GLOW!, the annual nighttime art experience at the Triangle L Ranch in Oracle, Arizona, is coming up. It is scheduled to coincide with the full moon. The idea is to provide a bit of visual magic with a full moon, glow sticks, and creative low-level lighting. No bright commercial lighting is allowed. That usually involves the Friday and Saturday evening nearest to the full moon in September or October, but this year, GLOW! will take place on the first two Saturdays of September and the first two Saturdays of October.

Exact dates and times are:

Saturday, September 6, 7 - 11 PM

Saturday, September 11, 5 - 9 PM

Saturday, October 4, 7 - 11 PM

Saturday, October 11, 7 - 11 PM

You can find complete schedule details at <http://www.trianglelranch.com/glow.html>.

As in the past, we will have a blacksmithing booth complete with glowing forge(s), hot steel and cool stuff for sale. Space will be limited, but additional blacksmiths are welcome. We will need people to make things, someone to watch the sales table when they aren't making things, and people to watch the whole smithy while others slip away for some of the famous pies and other desserts that are a GLOW! tradition. If you are interested in participating, email Bill Ganoe, editor@azblacksmiths.org or Ira Wiesenfeld, treeira@hotmail.com.

Note that if you aren't listed as an exhibiting artist, you will have to pay for admission and, this year, you will have to buy tickets ahead of time. (Details on the web site above.) Tickets will not be sold at the gate.



Crowds are usually good on Saturday evenings.



The warm glow of the smithy.

Call to Artists

The Tucson Jewish Community Center is accepting applications for its 6th Annual Outdoor Sculpture Exhibition, March 8, 2015 – March 1, 2016. All materials should be appropriate for an outdoor, desert environment and sculptures will be available for sale with 35% commission to the TJCC. Each selected entry will receive a \$500 honorarium. Lee Karpiscak, retired assistant director of the University of Arizona Museum of Art, will jury the show.

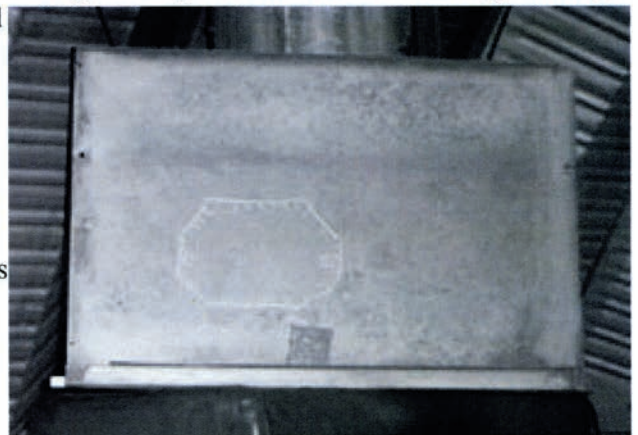
Please submit all application materials on CD.

Deadline is Tuesday, September 30, 2014 • 5 P.M.

Please visit <http://www.tucsonjcc.org/arts/sculpture-garden/call-to-artists/> for all pertinent applicant information. Address any questions to Lynn Davis, Director of Arts and Culture for the Tucson JCC, at (520) 299-3000, x106 or email sculpture@tucsonjcc.org.

Blacksmith chalk board

One of the requests that Walt made for his conference demonstration was a piece of rusty sheetmetal to use as a chalk board. I brought a piece and other than it was a pain to hang, it really worked well. So when I got home, I thought I would rig up a board in my shop. The piece I had taken to conference was way too big, about 4 foot square. I looked through my resource center and came up with a piece that is about 20" x 30", a side panel off of an AC unit. It was painted and I considered grinding or burning the paint off, but thought I'd try it first. The paint is rough and weathered, so not at all smooth. It works great, the soap stone writes on it easily and a scotch bright pad works as an eraser. It even has a shelf to put the soapstone and eraser on. I have it mounted on top of my forge hood at an angle so I can use it and it can be seen by the audience when I demonstrate or teach. Bob Ehrenberger



Reprinted from the Newsletter of the Blacksmiths Association of Missouri, July-August 2012.

My 1700s Blacksmithing Experience

Harold Hilborn

As many of you might already know, I have taken a leave from my business, Holy Hammer Ironworks, for six months this year to work as a blacksmith in a museum. That museum is Colonial Fort Michilimackinac at the northern tip of the lower peninsula of Michigan. It is a frontier fort which was active from 1715 till 1783. It was built by the French and lost to the British in 1760 after the French and Indian war. It was a center of the fur trade in the Northwest Territory as the area was known at the time.

Working as an historical interpreter-blacksmith has been a wonderful experience for me. It certainly was not what I expected. Initially I thought I would have



to dress up in a period costume and beat on some iron. Actually in has been much more. At the time I am writing this I have demonstrated for over 30,000 people. Along with my blacksmithing duties I have had to learn a fair amount of history. Stepping in to a 18th Century blacksmith shop

was also a eye opener. For those who know me, you know how much I like power tools and modern equipment. Here it is all traditional work, and they ask that I make period items.

I have learned very quickly what will keep the visitors' attention. At first I wanted to show my skill, but I soon realized they did not understand the technical aspects of blacksmithing. Their first

statements were, "This is where they make the horse shoes." And every 10 year old boy wants you to make a sword for them. Rather than get frustrated with this, I have taken the opportunity to explain to them that there were no horses here and swords were not the order of the day. This smithy was a repair shop, and the blacksmith mostly fixed muskets, farm equipment, pots pans, and other items to keep a frontier civilization working. It was a role blacksmiths played throughout history.

Typical daily demonstrations are nails and hooks of all types. These items may seem simple and beginning level to some, but what you have to realize that most visitors do not have a concept of what a blacksmith is or does. They have never seen a anvil or a bellows and forge. You



have 3 to 5 minutes to educate them before they lose interest and are ready to move on to the next display.

What I choose to work on at other times is left totally up to me. I have made roasting forks and campfire equipment as examples. I also have done projects for the park, hardware, strap hinges, shutter dogs, rope stakes for barricades, heel wear bars for historical interpreters shoes. We even made a splitting wedge from 2" solid bar.

To sum it all up this has been a wonderful job! It truly has made me a better smith. My traditional skills have gotten much better, I have lost my fear of public demonstration, and it has made think about where I should go next with my blacksmithing profession. Or should I say obsession?

My Excellent Oregon Adventure

Ira Wiesenfeld

I made the long, hot drive to Oregon at the end of June, to see my kids and to practice becoming a "rainbird". Got a room in Portland for a month through Airbnb, which worked out very well. I had signed up for a recycled art show through an organization called Cracked Pots. That show was at the end of my stay, and took place on a Tuesday and Wednesday (unusual) at a McMenamins resort called Edgefield. I also worked the Portland Saturday (and Sunday) Market for my first weekend there. It is a very large, well attended carnival-like craft market, but I didn't think it was worth my time going back.

One of the highlights of the trip was my "Forgin' in the Forest" camping trip. I drove into the Deschutes Natational Forest, after getting a permit and making sure it was OK to have a forge going, and camped overnight at a wide spot in the road. I set up propane forge, anvil and handy-dandy Kinyon vise, and made some inventory for the recycled show. It was cool,

moist and green! Ate steak, drank Guinness and slept like a baby. Up the next AM, I did a little fishing and hiking, and then back to work. My soul was restored!

The Cracked Pots show was good, in spite of almost constant rain (this was supposed to be Oregon's dry season). Those Oregonians weren't afraid of melting, like we are, and were out in it. They carried strange devises to keep the rain off themselves; I asked about them -- they're called umbrellas! Edgefield is a renovated County Poorhouse; McMenamins is an outfit that has bars, restaurants and resorts in interesting buildings and properties throughout Oregon and Washington; they have concerts on weekends, which is why this show is during the week. Cracked Pots is a non-profit that's dedicated to reusing things, to minimize landfill use. They glean material from the transfer station, and sell it in their newly opened store. Also, they have a program that gives artists a stipend to glean, make artwork of it, and show it at a gallery.

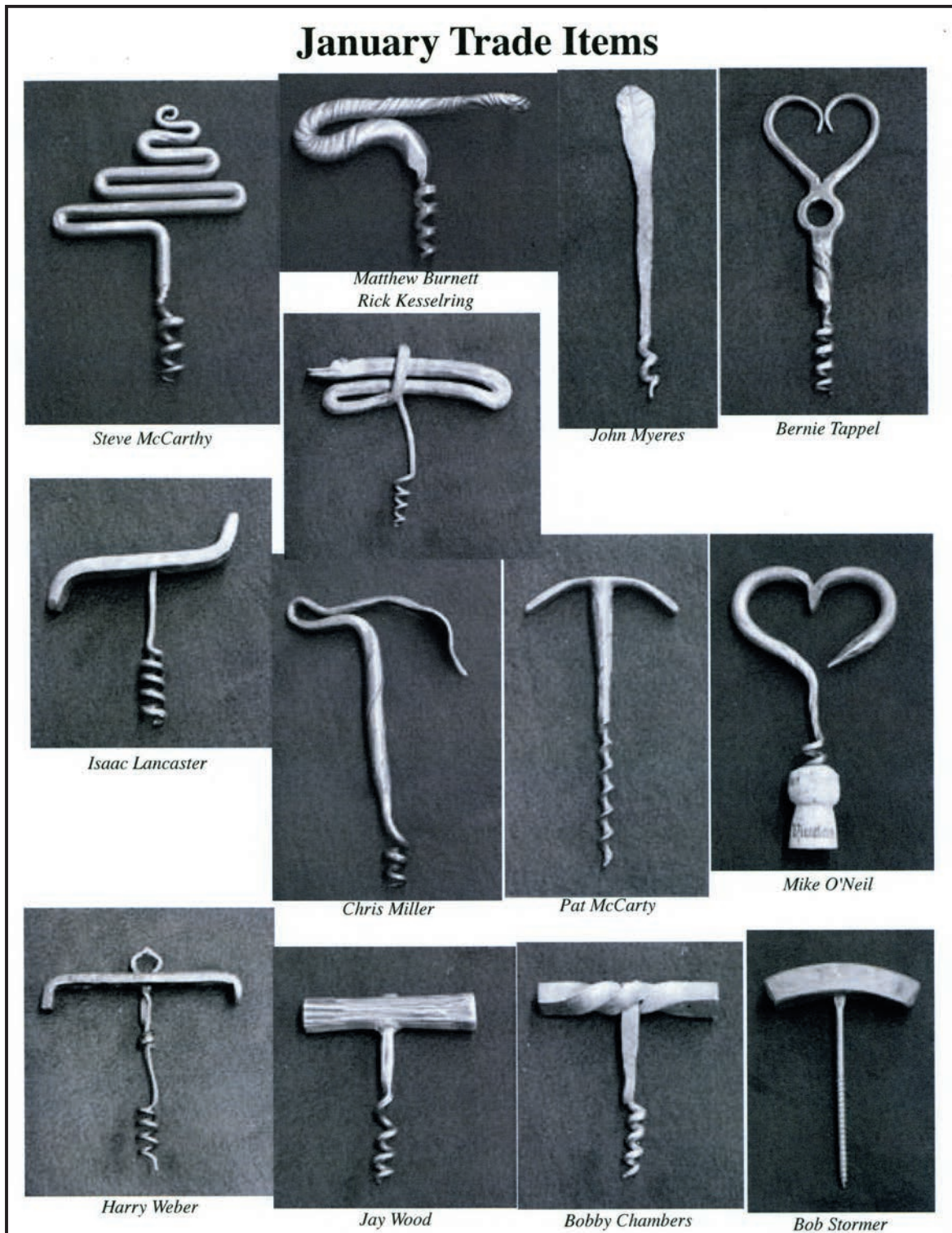
And then came the long, hot drive back to Arizona, with many good memories.



(Photo: Ira Wiesenfeld)

Seeds of Creativity

How many forms can a cork screw take? Trinkets for Iron In The Hat? A quick contribution for the AABA Auction?

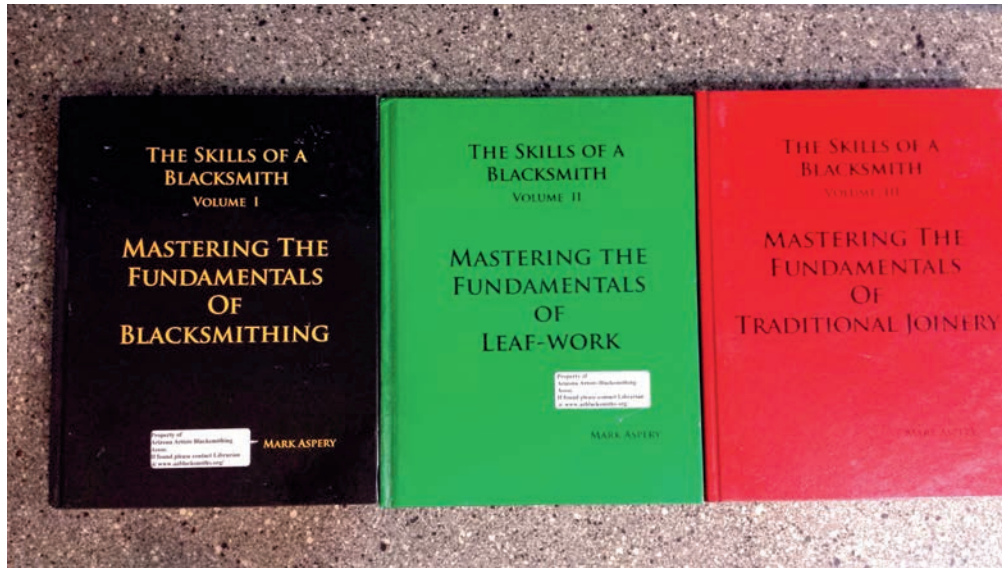


Reprinted from the Newsletter of the Blacksmiths Association of Missouri, January-February 2013

FROM THE AABA LIBRARY

Pat Clark, AABA Librarian

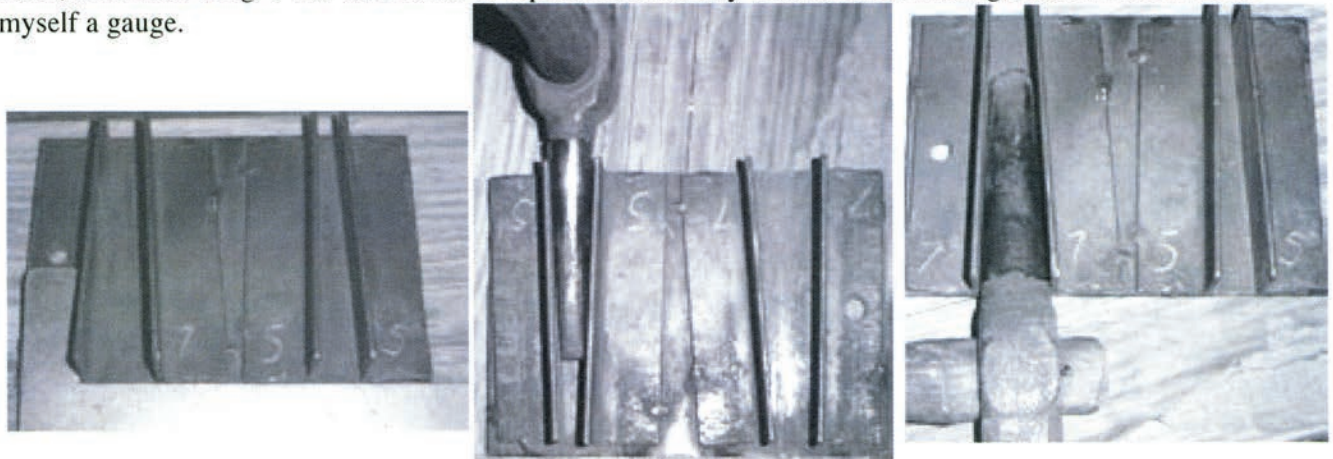
We now have all three of Mark Aspery's books in our library. If you have ever wondered if they are worth the price (they are) you can try them out before you buy from our merchandiser Ivan.



SHOP TIPS

Nathan Robertson's Hammer drift gauge by Bob Ehrenberger

At conference while hanging around the MTS area, I noticed an interesting device on Nathan's table. When I asked him about it he said it was used to check his drifts while dressing them to make sure they are the right angle and size. Such a simple idea, yet so useful. The drifts need a 7deg. taper in one direction and a 5deg. taper in the other. The opening at the larger end of the gauge needs to be the same as your finished hole, on this gauge it looks like they are 1.25" and .75". When I got home I checked my hammer eye drift and found it wasn't even close, like 2 and 3deg. I will have to fix or replace it before my next hammer making session. After I make myself a gauge.



*Reprinted from the Newsletter of the Blacksmiths Association of Missouri, July-August 2012.
(MTS is "Mobile Training Station".)*

Artist-Blacksmith Association of North America

Blacksmithing, the cornerstone of all crafts for centuries, has come back to life. Once rendered nearly obsolete by the Industrial Revolution and 20th Century technology, this ancient craft has undergone a contemporary renaissance. A new appreciation of the honest, enduring qualities of forged metal has developed.

At the heart of this revival has been the Artist-Blacksmith's Association of North America, Inc., a non-profit educational association dedicated to the dissemination of knowledge about the art and craft. Started by a handful of isolated blacksmiths in Georgia in 1973, ABANA now serves nearly 4,000 members.

As part of your Membership Benefits you will receive 4 issues of the Anvil's Ring and 4 issues of the Hammer's Blow Magazine each year you are a member. These magazines can not be subscribed separately but are only received by our members. We have recently added a youth membership at a reduced rate, this membership available to those 18 or under includes a subscription to only the Hammer's Blow magazine.

ABANA New and Renewed Membership Form:

Name: _____ Membership ID# _____
for renewals, if known. (Not required)

Street: _____ City: _____ State/Prov: _____

Zip/PC: _____ Country: _____ Phone: (____) _____

Email: _____ Website: _____

☐ New

☐ Renewal Type _____ Amount \$ _____

Card Number _____ Exp. Date _____ CVVS _____
_____/_____/_____

Membership Rates

Type	1 yr	2 yr
Regular	55.00	105.00
Senior	50.00	95.00
Foreign	65.00	125.00
Student(Full Time)	45.00	85.00
Youth (18 and Under)	20.00	
(Hammer's Blow Only - Non Voting Member)		
Contributory	150.00	and UP
Educational Institute	250.00	

ABANA Affiliate: _____
Credit card orders can be faxed, be sure to sign this form. Fax: 423-913-1023
Mail to: ABANA, 259 Muddy Fork Rd, Jonesborough, TN 37659 USA
(Please pay by Check, U.S. Money Order or Credit Card)
Phone: 423-913-1022 or join online at www.abana.org

The Arizona Artist Blacksmith Association is an affiliate of the Artist-Blacksmith Association of North America.

Classifieds

Classified ads are free to members and can be submitted by email to: editor@azblacksmiths.org

Power Hammer-Ron Kinyon built

80# Mark II air hammer.
Multiple die sets and accessories. Runs great. \$3,500

Todd 480-299-5673

McLellan Treadle Hammer

The latest design smooth operating straight line treadle hammer. Reduced operator fatigue due to unique shock absorbing treadle design. Save some real money by picking up the hammer in Phoenix. Complete hammer as demonstrated at Skull Valley \$2800.

DIY kit with full plans and hardware \$850.

Doug Kluender 602-818-1230

Will buy your unwanted

blacksmith or horseshoeing tools and supplies.

Call Barry Denton, 928-442-3290 any day before 7:00 pm.

Bob Gilsdorf is moving.

I cannot take my blacksmith shop with me. I have to sell all the big equipment. I have : Little Giant Power Hammer (88# I think) - works perfectly with the motor mounted on the top of the hammer, 4' X 8' X 38 " steel welding table mounted on two inch pipe stand with screws, 2 post vices, large swage block with a stand, multiple hammers, and hammer heads with no handles, many hardies, 3 portable forges with tuyers for hand pumping of air, a large collection of tongs, melting pots, and fire tools. There is a 50 gallon garbage can full of coke. I have a belt sander one inch wide belt, a 220 volt arc welder with some rods. There is a lot of scrap iron and stuff that may be of interest. There is a wall mounted hand run drill press and a lot of other antiques.

My shop is at 5416 E Calle del Medio, Phoenix, AZ 85018. This is 4 blocks south of Camelback on 54th street. Phone 602 908 2598. Email: rbgilsdorf@cox.net. Come in and make an offer.

Wanted:

Hydraulic forging press. Tumbler, about the size of a 50 gallon drum.

Ira 520-742-5274
treeira@hotmail.com

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Sources

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Steel, aluminum, stainless, copper and brass for sale by the pound. Open Monday - Friday 8 - 4:30. Also 1st and 3rd Saturdays 6:30 - 8 am. specifically for metal artists.
690 E. 36th St., Tucson, 520-884-1554

Bar U Bar Supply

Several 65 lb. & 85 lb. swage blocks for sale. Your source for anvils, post vices, and other new & used blacksmith tools. Barry Denton. ph 928-442-3290 email: barubarranch@gmail.com website: www.barubar.com

A Copper Rose Metal Art

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Debra Montgomery
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Dan, 602-316-4140, for tech support.

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Arizona Artist Blacksmith Association

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