

The Anvil's Horn

A Publication of the Arizona Artist Blacksmith Association

Issue No. 181 July 2016



Challenging Bottle Opener
by
Jim Pepperl

President's Message

In case you haven't noticed it is hot outside. When I first moved to Arizona 40+ years ago I decided to embrace the heat. Starting in the spring I make sure to get outside as much as possible. By the time summer arrives my body and mind are used to the heat. You can try to hide from the heat but that will only make it worse when you have to be out in the heat

How does this apply to blacksmithing? The obvious answer - Working around a forge is a great way to acclimatize to the heat. The more important lesson – if you focus on your strengths and ignore your weaknesses you will never overcome your weaknesses. What gives you a hard time at the forge? Forge welding? Precise hammer control? Whatever it is don't ignore it – embrace it! At the end of each session at the forge spend 10 minutes working on a skill that needs improvement. After awhile you will find your weakness has become one of your strengths. Simple but effective. Embrace your weaknesses.

Happy Hammering!

Paul Dief

The Editor's Notes

ABANA 2016

The ABANA 2016 Conference in Salt Lake City is coming up July 13 - 16. The program is getting fleshed out now, and I've put a current list of demonstrations, lectures, and workshops on page 17. If you want to share a ride, in your vehicle or as a rider in someone else's vehicle, check out Steve Miller's ride sharing exchange on page 10.

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Demonstration
Saturday, July 30, 2016
Northern Arizona University
Sculpture Studio

Flagstaff, AZ

Demonstrators:
AABA members showing what they learned at ABANA 2016

The July demo will be held at the NAU sculpture studio on July 30th. The demonstrators will be our fellow AABA members who attended the ABANA 2016 Conference in Salt Lake City. They will bring back tips and techniques they learned at the conference. If you are going to the conference make sure and look for something you can share.

There may be a hands-on forging competition like we had last July in Flagstaff if time permits.

The Sculpture Studio is marked with an arrow on the map on page 4. Parking will not be right next to the studio, but it is close by and is also marked on the map. For people with something to demonstrate at our demo, the sculpture studio has a couple anvils, a forge, a post vice, and a little giant hammer. If you want to bring your own forge or anvil for a demonstration please let Jason know. We will need to provide our own materials so please bring some along or let Jason know what you need.

Jason can be contacted at 602-717-1459 or jason@grizzlyiron.com if you have any questions or if you have a demo that you would like to show.

Registration begins at 8:00 AM, the demonstration starts at 9:00 AM.

Registration fee: \$15 for members, \$20 for non-members

- Lunch is on your own. There are several good eateries nearby.
- Tailgaters are welcome. There will be some space to set up in the Sculpture Studio, but the parking lot isn't right next to the Sculpture Studio. Bring something to haul your stuff around with.
- Bring things for Iron-In-the-Hat and Show-and-Tell.
- Don't forget to put your name on anything you bring for Show-and-Tell.

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 made specifically for iron in the hat, something you don't need in your shop, a great book, a t-shirt, a hat ... something an AABA member would enjoy.

Directions to the NAU Sculpture Studio

Flagstaff, AZ

- North on I-17
- Exit McConnell Dr (First Exit North of I-40)
- Right on McConnell Dr
- Right on Pine Knoll Dr
- Right into Parking Lot for Facility Services (Marked "Parking" at the east side of the map on page 4)
- The Sculpture Studio is building 84 on the map.

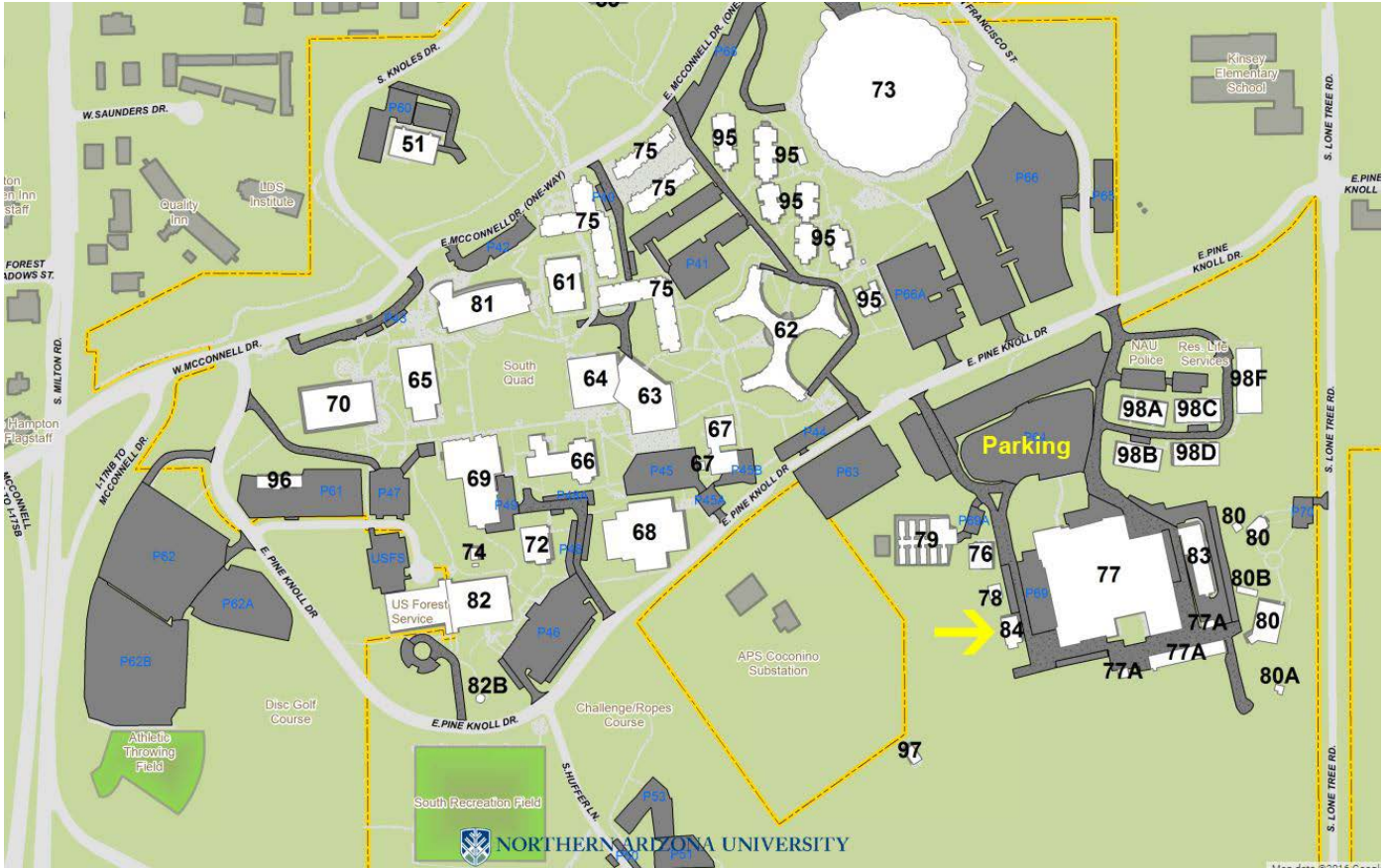
As always, safety glasses are required.

Our July Demonstrators

You can't go to ABANA 2016 in Salt Lake City this year? We may have a solution for you.

You can go to ABANA 2016 this year, but can't get to everything you wanted to watch? We may have a solution for you too.

We don't have a specific program of demonstrations for our July meeting, but the members who do go to ABANA 2016 can't help but pick up some good techniques and advice. There is a list of demonstrators and lectures scheduled for ABANA 2016 on page 17 of this issue. Look it over. If you see something that really catches your eye, let us know about it before July 12, and we'll try to get one of our members there to pay close attention to that particular demonstration or lecture.



Coming Attractions

September 2016

Our September 2016 demo will be hosted by Bill and Karen Morris at their place in Camp Verde.

Mike Riemer and Dylan Cook will be our demonstrators for the September get-together. This will be a great hot forging demo by two talented smiths. Both have been teaching blacksmithing and art at the Orme School, near Mayer, AZ, for the past several years. There should be lots of action to watch as these two are full of energy. Don't miss it! Watch for full details in the September issue of the Anvil's Horn.

November 2016

The annual AABA Banquet and Auction is coming up November 12 at Sahuaro Ranch in Glendale, AZ. Watch for more details in the September and November issues of the Anvil's Horn.

May Demo Report

Bill Ganoe

Photos by Bill Ganoe

Over 50 people showed up for our May demo at the shop of Kevin Potter and Doug Thompson in Tucson. Doug started the day off by forging a flower. Most of us do flowers at one point or another, but Doug offered some useful tips, advice, and tweaks on common techniques. For example: Don't forget that tooling is usually not symmetric; turn your work frequently to reduce asymmetric results. Also, think about downstream steps. For example, if you are using junk (or recycled) steel (that may include scattered lumps of high carbon steel) and you quench it early in a project, you may not be able to drill it later on. Doug didn't take us through each and every step of the process. He had examples of the flower at various stages of completion, and he explained only the specific steps that he wanted to focus on.

After the flower demonstration, Doug moved on to demonstrate the use of a Hossfeld bender. He showed several different bends with different sized stock and added numerous comments about technique as he went along. He pointed out that a Hossfeld bender does some things very well, but speciality bends will probably still require custom jigs.

Doug also demonstrated his build system. It is an organized collection of steel pieces that can be used as spacers and shims when assembling parts to be welded. He had made up a few sets of these pieces

for sale before our demonstration, and they flew off the table within minutes after people realized how useful such a kit could be.

Lunch options included sandwiches grilled on site by Wade Smith. The usual Iron-in-the-Hat drawing came right after lunch.

After lunch Doug went on to demonstrate his enameling techniques.

When Doug had finished the enameling demo, Harold Hilborn took over for a fascinating and informative welding demo. He started off with a discussion of basic, but very important safety issues. He then pointed out strengths and weakness of several different welders he had on display. He went on to explain different types of metal transfer in MIG welding and how many of us could improve our MIG beads with just a little attention to the initial settings on the welder.

Kevin Potter wasn't very excited about demonstrating in front of large audiences, but he gave some very interesting demonstrations of machining and of his hydraulic presses to individuals and small groups while the other demonstrations were in progress.

If you missed the May demo, you missed a good one.



Jason LaBrash got things started.



Doug Thompson got started on his flower demonstration.

May Demo Report (cont.)



Quench bucket and tools at the ready



Fuller on the treadle hammer



Doug keeps his shop neat and organized.

The flower that Doug forged for this demonstration. Doug demonstrated the enameling after lunch.



Table with components that Doug created with the Hossfeld bender.

Doug demonstrating his Hossfeld bender.



May Demo Report (cont.)



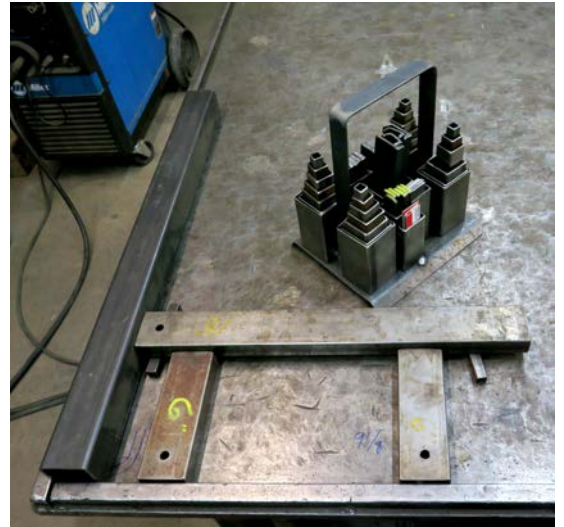
Compound bends



Doug Thompson's home-built mini-Hossfeld bender



Applying enameling powder



Doug Thompson's build/shim kit



Fusing the enameling powder to the work piece



Harold Hilborn starting the welding demonstration.



Some of the welding equipment Harold demonstrated

Upcoming Classes



Douglas Pryor Chasing & Repoussé Workshop

November 4 - 6, 2016
9am - 5pm Friday to Sunday



We are excited to offer you this workshop at Hesson Iron Works. You are in for an adventurous three day long critical examination of repoussé and chasing in copper and steels from gauges 18 - 12. Our study will consist of a few projects ranging in difficulty of design and technique. This class will focus on all the good stuff: control, consistency, pitch management, hammer technique, chisel design, how decorative designs can effect the integrity of armour and how to plan around them. our subject this time will be on various helmet adornments, and various high and low relief chasing. I'm really looking forward to this class and cannot wait to share it with you!

The workshop will be held at Hesson Iron Works in Tucson, AZ

To make a deposit or if you have any questions, please contact Steve Grater at hesseniron@gmail.com

Douglas Pryor is scheduled to do a demonstration on Thursday, July 14, at ABANA 2016 in Salt Lake City.



*At the Pima County Fair, Tucson
April 2016*

Wes Helzer

Travis Helzer

(Photos by Vivayna Nightshade)

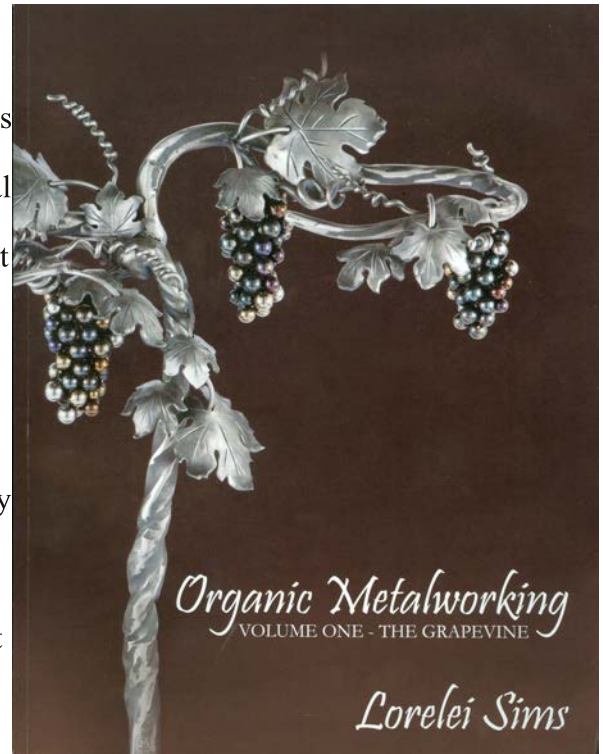


Book Review

David Bridenbaugh, AABA Librarian

A blacksmith book with numerous color photographs is always a good idea. This book, *The Grapevine*, is the first in a series of Organic Metalworking books from Lorelei Sims. She is inspired by grapevines and her enthusiasm for it shows in the creativity and attention to detail in the vines, leaves and grape clusters. She embraces both modern and traditional tools and techniques to create this art. The book begins with a description of the tools she uses but with the caveat that not all are necessary to make the projects in this book.

All the projects presented in the book have a grapevine theme to them. They are well documented with photographs and instructions. The steps are so well explained that it is worth reading even if you don't make that specific project. The instructions explain why you do something a certain way and not just how to do it. Alternate methods and design variations are also presented. You will learn something new from this book. There is a lot of information in these 72 pages. I like her approach that attention to detail is important but we are "creating ironwork that has the feel of the grapevine over the anatomical exactness".



I would be remiss in my duties if I didn't point out a safety issue in her efforts. Safety is briefly discussed early in the book but photographs of someone MIG welding without jacket and gloves appear later in the book. The ultra violet radiation emitted by the MIG welding process can damage any exposed skin. Just because you might get away with something doesn't mean its a good idea.

This book would be a good addition to the library of any blacksmith. I am sure blacksmiths of all levels of skill and experience will find useful tips and inspiration here. This book is part of AABA library now and available for check-out at the demonstrations.



*Open Forge
Grizzly Iron
Phoenix
May 18, 2016*



Calendar 2016

July 10	Open Shop	Desert Rat Forge	Cave Creek
July 13 - 16	ABANA 2016	Utah State Fairgrounds	Salt Lake City, UT
July 30	Demo, AABA members	NAU Sculpture Studio	Flagstaff
August 14	Open Shop	Desert Rat Forge	Cave Creek
September 11	Open Shop	Desert Rat Forge	Cave Creek
September 17 - 18	Demo, Riemer & Cook	Bill and Karen Morris' home	Camp Verde
October 1	Open Shop	Holy Hammer Forge	Tucson
October 9	Open Shop	Desert Rat Forge	Cave Creek
November 12	AABA Annual Auction	Sahuaro Ranch	Glendale

Classes at Pieh Tool Beginning/Intermediate Blacksmithing with Gordon Williams

Sept. 23-25, 2016
\$550 for three days of classes at Pieh Tool in
Campe Verde.

For complete details call 928-554-0700 or browse
to www.piehtoolco.com.

Submit Your Touchmark

Submit a JPEG of your touchmark(s) to Steve
Miller, stevemiller.az@gmail.com, so it can be
included in our AABA touchmark registry which
will appear on our website soon.

Ride Sharing

Interested in sharing a ride to a far off
blacksmithing event like ABANA 2016 to save on
expenses or wear and tear on the old truck? Or
would you like some company going to an AABA
event just up the road? AABA VP Steve Miller is
organizing a ride sharing exchange for
AABA members. Email your requests or
suggestions to stevemiller.az@cox.net

Deadline for the September 2016 issue

July 31 is the deadline submitting photos and
articles for the January 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

George Adrian	San Diego, CA
Joe Bacik	Phoenix, AZ
Jason Butler	Tucson, AZ
Thomas Q. Buza	Tucson, AZ
Shawn Chakravarty	Phoenix, AZ
Rich Greenwood	Tucson, AZ
Joe & Betty Harris	Tucson, AZ
Jeff (J.C.) Huesgen	Tucson, AZ
Kevin J. Kelly	Tucson, AZ
John Kettelle	Tucson, AZ
Joni Kisro	Tucson, AZ
Joseph Madrid	Tucson, AZ
Bob McAllister	Willcox, AZ
Michael Rogers	Phoenix, AZ
Shane Standley	Tucson, AZ
Jan Suarez	Tucson, AZ
Chris Wickersham	Goodyear, AZ

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 Shop: Tucson

The next open shop in Tucson will be hosted by Harold Hilborn at his Holy Hammer Forge on Saturday, October 1, 2016. Check the September issue of the Anvil's Horn for more details.

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. **You will need to wear safety glasses. Hearing protection is recommended.**

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

Open Shop: Desert Rat Forge (Phoenix area)

Paul Diefenderfer will host an open forge on Sunday, July 10, Sunday August 14, and Sunday, September 11, 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!

AABA Membership

Benefits for members include:

- Member discounts at vendors around the state: See page 18 of this issue for more details.
- 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.
- email notices when event details change or new events are scheduled on short notice.

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 (\$35) _____
Family membership (\$40) _____

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

Make Check Payable to AABA

Gallery

Show-and-Tell items at the May 2016 demo



Peter Sevin
(Photos by Peter Sevin)



Wade Smith

Success With Craft Fair Booths

James McLaughlin



We've all wandered around arts & crafts fairs looking at the different displays and sales booths, so I decided to give it a try with my blacksmithing. The first attempt I partnered up with an armorer friend and we did a couple local events in Show Low, AZ, which were renaissance/medieval themed fairs. We did alright, people liked to look at the armor and ask questions, a few knives were sold, but we didn't make enough to cover our basic expenses. My friend and I shared a booth with another friend at the SCA (Society for Creative Anachronism) Estrella Wars at Schneff Farms in Queen Creek about four years ago. We all had knives and swords for sale. My wife and I walked around looking at the other merchants and realized that the 5-6 different Blacksmith/Blade smith merchants all had knives and swords for sale (and most were pricey). We also noted that these smiths were just sitting around and talking to people, there were no "working" smiths. So the following year my friend, my wife and I set up a merchants booth at the SCA Estrella Wars. We had armor, knives, swords, camp/kitchen items (tripods, BBQ utensils, lantern hooks, banner holders, tent stakes, etc.). Along with our inventory, we took a propane forge (disguised the tanks), anvil, vice and of course

hammers and tools. We started "banging" on metal and in a short time we had people standing around our booth observing and asking questions. The entire week we had people around our booth from the moment we opened and even after closing for the night. I sold out of the tent stakes I had brought and had to go buy more metal to continue making them. On the third day, my wife had to put a stop on the orders because I could not keep up, I was overwhelmed. We more than doubled our expenses for that one event. I continued getting random orders throughout the rest of the year.

All the aspects of customer service is handled by my wife (she's amazing!). She talks with everyone, handles as many of the questions she is able to answer, takes orders and sales. That first year, my wife noticed that the women would walk past the booth and see armor, swords and knives and would just keep walking. (The men would stop, of course). The women wouldn't notice some of the camp/kitchen things we had, because there were only few things. My wife did some research and found more "period appropriate" items that would appeal to women to bring them into the booth. She had me make ladles, eating utensils, cheese slicers, herb choppers, fire starter kits, pot hangers, lantern hooks, candle holders, S-hooks, etc. The next year, we set up in the same space. While we were setting up another merchant came over and asked if we had any S-hooks, I pulled out what I had made up and he bought them all (4 different sizes). The rest of the week was a blur of people, repairs, orders and we more than tripled our expenses. I couldn't keep S-hooks on the table, they were selling as soon as I pulled them out of the quench bucket. Once again I had to go buy more metal, even after bringing some with me. Thanks to my wife, the women were coming into the booth, buying the items she had suggested and placing orders and watching me work. People were bringing things to me to do repairs, not just swords and armor, but "other" tent stakes and things. The other blacksmith merchants would come around and watch and chat and check out the inventory. We weren't selling high dollar items, most of our items are \$100 and under.

Success With Craft Fair Booths (cont.)

James McLaughlin

Four years into this same event and we just continue to be popular and successful. Last fall I offered to help out another blacksmith who needed someone to work a booth at the "American Heritage Festival" again at Scheff Farms in Queen Creek. This festival covers American history from the age of discovery (Columbus) through WWII. I chose the Frontier era, because I had costumes for that time. Once again, I set up with forge and anvil and did demonstrations for the two "school days" with hundreds of elementary school kids touring through. That was an experience all in its self and I was Alone, my wife couldn't help that weekend. I had a lot of fun with the children.

Two years ago, I went to the Las Vegas Renaissance Faire, by invitation from my daughter, a guild member of the fair. To have a merchant's booth at Las Vegas costs \$2000 for a 3 day weekend. I

wasn't sure I could sell enough to cover expenses, so I set-up a "demonstration" booth in the guild's area. I couldn't sell anything, but I could take orders, and it gave me an opportunity to see if this would be a viable event to participate in. With anvil, hammers, and forge I did demonstrations, and people came and watched and talked. I was invited back for the following year.

Due to my career as a Forest Service firefighter, I am limited to only doing a few events a year and usually in the fall and winter months. Being selective about which events I do also allows me to get my inventory built up for each year's events. I try to choose events that are affordable and fun, doing these "theme" events are fun to dress up in costumes. Setting up a "working" demonstration booth is a lot of work, but it's so much fun and I enjoy introducing and educating people.



Good Business Practice

Dan Jennings

We have a fireplace screen in our family room. It doesn't quite fit the opening and I really don't like the design, but it remains as a constant reminder to always get a deposit (they seemed like such nice folks – they wouldn't possibly stiff me). Not only to get a deposit but to also remind me how important it is to follow good business practice every time I quote a job.

When I quote a job I follow a few simple rules that I feel all blacksmiths (actually all artisans) could benefit from.

Written proposal.

All quotes should begin with a written proposal, not with a price given verbally over the phone. The customer usually wants the bottom line, but price is only a small portion of the quote. As business people we need to get all of the information to the customer.

A proposal should include a description of the project. All of the details that were discussed should be listed. A recent chandelier proposal looked something like this:

2 Chandeliers similar to provided pictures.

Diameter 60 inches, 4 Chains, 14 feet long, 24 candelabra lights,

Gothic Motif, black painted finish.

Similar because the pictures didn't show the detail and she wants it Gothic instead of Tuscan. Similar creates a legal standing in the event the designer rejects the job because it wasn't what she/he had in mind. Listing the details tells the customer what you are going to do and, by default, what you are not going to do. If they accept the proposal and if you provide those details, they will have to pay you – eventually.

Price: \$5000.00 per chandelier. \$10,000.00 total

Putting in the decimal point reduces the chance for confusion – wouldn't want them to think they were only \$50.00 would we? Including the price of each and the total price also helps clarify the issue.

Terms: 50% deposit upon acceptance. Balance upon delivery.

The deposit check triggers acceptance – without the check you have not committed to start the job. Balance upon delivery is hard to get, but it doesn't hurt to ask.

Delivery: 8 to 12 weeks after receipt of deposit

I maintain a policy that no work starts and no job gets put on the schedule until the deposit is received. By putting the policy in writing, the customer is motivated to cut the check.

Interesting Web Links

Here's a 12 minute video that provides an interesting twist on the old technique for forging a square corner.

<https://www.youtube.com/watch?v=caFEYiIWkwU>

"Blacksmith Artists Bring Their Works to the Grounds of Arboretum This Season" This is an article about the Botanical Blacksmiths Exhibit at the Arboretum at Flagstaff this year in the Arizona Daily Sun.

<http://tinyurl.com/jm8vs4j>

(For the cyber-paranoid (like your editor), you can preview the real link that this tinyurl points to at <http://preview.tinyurl.com/jm8vs4j>)



2016 ABANA SALT LAKE CITY CONFERENCE

**JULY 13-16
at the FAIRPARK**

REGISTER NOW. . .

**and take advantage of
the great savings!**

- Beginning to advanced **demos**: architectural and sculptural blacksmithing, repoussé, foldforming, damascus billet-making
- Expanded **teaching tents** and new **youth and farrier tents**: participate with the demonstrators
- Experience the design and building of a custom railing with an on-site install
- **Professional seminars** on building and marketing your business, how to photograph your work, and the future of blacksmithing
- Reserve your hotel NOW, pay later; on-site camping available
- Demo sites: on grass & in air-conditioned buildings
- Gourmet food trucks, Saturday night dinner
- **Fine art gallery** with **auction**, and **marketplace**

**To find out more and register, visit:
abana.org/2016SLC**

OR



Artist-Blacksmith's Association of North America (ABANA)
259 Muddy Fork Road, Jonesborough, TN 37659
423-913-1022; Fax: 423-913-1023; centraloffice@abana.org

Utah State Fairpark: Information
155 North 1000 West, Salt Lake City UT 84116
www.utahstatefairpark.com

Several AABA members are planning to go to this conference. Please join us. The more, the merrier. If you need a ride, or if you can take other people in your vehicle, Steve Miller is managing the AABA ride share program. Contact him by email at stevemiller.az@cox.net

ABANA Conference July 13-16, 2016

The following is our demonstrator lineup for the 2016 ABANA Conference

Some demonstrators will be conducting simultaneous Workshops. These hands-on sessions will be offered in segments to give registrants an opportunity to try the techniques.

A detailed event schedule is available at:

http://abana.org/Conferences/2016/contents/en-us/d56_Site_Map.html#p80

Blacksmithing

John Barron: Forging workshop on railings and the Ring Project
Monica Coyne: Forging demo with forged dovetail joints.
Roberto Giordani: Forging workshop
Jake James & 12 helpers: Forging demo
Heiner Zimmermann & Rick Smith: Forging Demo

Knife and Axe Making

Jim Austin: Viking axe demo
David Lisch & Andrea Lisch: Knife-finishing processes
Ray Rybar: Damascus billet workshop

Non-ferrous Forging and Metalworking

Charles Lewton Brain: Fold forming workshop and demo
Jack Klahm: Forging bronze & aluminum
Douglas Pryor: Repoussé on steel, Armor
Fred Zweig: Repoussé workshop

Farrier Forging Tent

Dave Farley, Tom Willoughby, Roy Bloom: Forging various projects

Lectures/Workshops, Special Guests

Paul Boulay & John Graham: Photography workshop
Bill Hochella: Metallurgical discussions
Jeff Jubenville (Paley Studio): Working in the Paley Studio
Sculpt Nouveau - Ron Young: Patina lecture and workshop
Heiner Zimmermann, Rick Smith, Delyth Done: The future and direction of Blacksmithing
Rozmberk Society of the Czech Republic: Exhibition with an interactive demonstrations
Clare Guy: Blacksmith archives and history
Victoria Patti: Blacksmithing on the Internet

Teaching Tents

Adult Teaching Tent and Evening Forging Competitions
Mark Aspery, John McLellan, Gerald Boggs, Gerald Franklin

Youth Teaching Tent
Jay Bernham-Kidwell, Jeff Dunkelberger,

Classifieds

Classified ads are free to members and can be submitted by email to: editor@azblacksmiths.org. Ads will run for 3 issues. You can renew your ad if you need to run it after the third issue. Please let the editor know when you no longer need to run the ad.

Will buy your unwanted

blacksmith or horseshoeing tools and supplies.

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

For Sale

Hossfeld # 2 full size bender.

Includes basic die set plus mounting base and a copy of the instruction/setup manuals.
\$600.00

Doug Kluender, 602-818-1230
Dougkluender@msn.com

Coal for Sale

Dragonforge Ironworks has bulk coal for sale. \$25 per 50lbs. Minimum order \$100. Small orders can be filled at our shop in Mesa. Larger quantities available up to 1 ton but are located at the Superstition Mountain Museum in Apache Junction.

Really great forging coal from the King Coal Mine in Colorado. Bulk only, chunk sizes vary from pool ball to bowling ball. Bring your own 5 gallon pails, 3 pails equals about 100 lbs.

Call Michael at 480.529.0206.

For sale

Propane forge, 2-burner, made in one of Doug Kluender's forge workshops.

Miller Dialarc 250, power source for TIG or stick with cables, remote foot control, argon bottle and regulator

100 lb. anvil

Hand shear

Jack Frieh, 623-466-9889

For Sale

FORGE-APRONS, the stylish blacksmith apron that can be Custom-Sized, Personalized or Customized with three designs to choose from and FREE shipping. Visit forge-aprons.com or call James Patton, 575-313-4650

Marketing Assistance

Blacksmith's Wife Marketing provides marketing and promotional services, in both digital and print, to the metal working community. Also providing website design and consulting services. Contact April Witzke at (575) 535-4766 or visit www.blacksmithswifemarketing.com

Advantages of AABA Membership

IMS has offered AABA members two great opportunities. Thanks to members Doug Kluender and Wade Smith for the idea and contacts with IMS.

1) IMS has space for member metal work to be put on display in a glass case and on top of the cut metal rack inside the store. Contact Steve Miller, stevemiller.az@cox.net, to get your items on display. These items may be for show only or they may be offered for sale. Artists are responsible for any financial exchange. IMS will make a nice card to identify the piece, the artist, and the cost.

2) IMS is offering a 10% discount to AABA members. The discount is available at the Phoenix and Tucson stores. At the time of purchase tell the clerk you would like the AABA discount and provide your name and address. They will verify your membership with the list AABA supplies.

Don't forget that AABA members get discount pricing at the Vern Lewis Welding Supply stores in the Phoenix area.

Classifieds

Classified ads are free to members and can be submitted by email to: editor@azblacksmiths.org. Ads will run for 3 issues. You can renew your ad if you need to run it after the third issue.

Please let the editor know when you no longer need to run the ad.

For Sale

Old Boice Crane floor drill press, 1/2" chuck. \$60.00
1 hp 12 gallon 110 v. Sears air compressor, \$60.00
1/2" thick steel plate table, 20"w,84"l, 36" h. Should be attached to floor or wall. It's top heavy. \$75.00
1/4" thick L-shaped stainless steel plate. 7 to 8 sq ft of material. \$60.00
No. 1 Dodge vertical mill w/ Allied Machinery Co. 3/16, 3/8, & 1/2" collets. Old, small mill. \$500.00
6 monkey wrenches, wood handles, 7" to 15" long. \$60.00
1 1/2 hp variable speed, 110v. motor, Old, very heavy. \$60.00

Will help load, no delivery, as is.
Moe Hamburger
602-538-7905
hiron@cox.net

For sale

Victor Gas Rig+ gas saver, includes hand truck, gas saver pedestal and tanks. Tanks are almost full, the hand truck may need new tires. I have the green tool box the victor rig came in. Rig has been kept covered from the weather and is in good, serviceable condition.

\$500 firm for everything

Call Kurt, 602-526-0814 or e-mail, kperry9823@centurylink.net for more details.

For Sale

Titanium Tongs - All sizes and shapes, 50 pairs. Get them while they last. \$100 per pair.
Bernhard Heer,
715 205 8786

Picture Rock

Arizona Sierra Banded Sandstone

makes the perfect base for all your forged iron pieces. Awards, plaques, memorials, water features, furniture or anything you can imagine.

Mined in northeastern Arizona, cut and shaped to your specifications.

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500 E. 38th Ave.
Apache Junction, AZ 857119
602-672-7085
www.arrowzonastoneworks.com

Forging Coke for Sale!

High quality L-Brand coke
\$30 per 50 lb bag

Rodger or Jason, 602-716-9660

Sources

Tucson Iron and Metal

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 vises, and other new & used blacksmith tools.
Barry Denton. ph 928-442-3290
email: barubarranch@gmail.com
www.barubar.com

A Copper Rose Metal Art

Chasing/Repousse Pitch
Debra Montgomery
www.chasers-pitch.com

Brent Bailey.

A blacksmith in California specializing in custom tools and ornamental forgings for artisans.
www.brentbaileyforge.com

Pieh Tool Company, Inc.

Blacksmith Supplies, Blacksmith Classes with Gordon Williams, Milwaukee, Wilton & JET Tools, Air Hammers, Hand Hammers, Tongs, Books, Coal and Coke.
661 Howards Road, Suite J, Camp Verde, AZ, 928-554-0700 and
28255 N Tatum Blvd. Suite 1 Cave Creek, AZ, 480-626-0924
www.piehtoolco.com

IMS

Full service supplier of steel, stainless, brass, aluminum, copper. Discounts for AABA members.
5150 S. 48th St., Phoenix
602-454-1500
3757 E. Columbia St., Tucson
520-441-5900

General Insulation

High temp insulating materials, bricks, Kaowool and other refractories.
3330 W Papago Street, Suite A Phoenix, AZ 85009
Phone: 602-944-2249
Toll-Free: (844) 866-1680

Vern Lewis Welding Supply

Discount pricing for AABA members. Various locations in the Phoenix area.
602-252-0341
Dan, 602-316-4140, for tech support.

Interstate Steel and Salvage

Specializing in Steel, Aluminum, Stainless Steel, Brass, Copper and some alloyed metals of all types, sizes and shapes. Cutting, Shearing and advanced Flow water jet cutting for all your project needs. Valley wide delivery. Let us quote your next large or small job!
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602-944-2000

AZ Tool Steel

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Phone: 480-784-1600
Toll Free: 877-795-1600

Arizona Artist Blacksmith Association
Attn: Bill Ganoe
P.O. Box 40233
Tucson, AZ 85717
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The Anvil's Horn is the official newsletter of the Arizona Artist Blacksmith Association. Published every other month preceding the bimonthly meetings of the Association, the newsletter is oriented toward anyone interested in blacksmithing and related forms of metal work. Membership is available at the rate of \$35 for individuals; \$40 for families and includes a subscription to the *The Anvil's Horn* for one year. Every attempt has been made to ensure accuracy of information appearing here, but no liability is assumed by the Association, its officers or editor for errors, damages, or injuries resulting from any design, use, construction or application of said information. Uncopyrighted material may be used freely by other similar organization provided proper credit is given. Any copyrighted articles appearing herein should not be reproduced without permission of the author. Matters relating to newsletter submissions, corrections, etc. should be addressed to the editor: Bill Ganoe, P.O. Box 40233, Tucson, AZ 85717, Tel: 520-326-5478, or editor@azblacksmiths.org.

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