

The Anvil's Horn

A Publication of the Arizona Artist Blacksmith Association

Issue No. 187 July 2017



Chris Contos, in black, watches as audience members try some of the techniques he described.

AABA May 2017 Demonstration

President's Message

What is sweeter than the sound of hammer and anvil. A dozen smiths heating and beating iron. That is how many folks showed up at my June open forge. These folks didn't let the warm weather keep them from having fun. It is a joy to host the open forges. I get to share my love of smithing and meet some great people. Whether you are a newbie or a seasoned veteran that can forge a Damascus sword in one heat, come on by and join the fun.

If the heat outside makes you sweaty just thinking about it – fear not – the July demo will be held in Flagstaff at the NAU ceramics studio. This is a great venue in the cool pines. So gas up the vehicle and head north next month.

Until then – happy hammering.

Paul Dief

Editor's notes

Repeats from the last issue:

Are you traveling this summer? If you pass a shop along the way, stop and take some pictures and notes about the shop and the smith and submit them.

The Gallery section of *The Anvil's Horn* needs good photos of your work - pieces that you really want to show off. *The Anvil's Horn* gets seen by people when they aren't just scrolling through social media posts.

Material submitted for publication in the Anvil's Horn may be edited or rejected by the editor. Material submitted must be your own work, not plagiarized. By submitting material, you agree to allow AABA to edit, print, or post on the AABA website. You also give permission for the material to be reprinted by other blacksmith publications (i.e. publications of ABANA and of ABANA affiliates). **Copyright.** The creator may retain copyright for the work. If we publish a copyrighted item, consent of the copyright holder will be obtained before publication. **Graphics.** High-contrast, high-resolution digital picture files and original drawings are preferred, but we can work with lower-contrast, lower-resolution graphics.

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Demonstration: Saturday, July 22, 2017

NAU Sculpture Studio

Flagstaff, AZ

Demonstrator

Pat Downing

Pat will be leading a hands on demo on copper fold forming and patina. Foldforming is a technique whereby metal is folded, repeatedly forged and annealed, and unfolded; at which stage it generally has a dramatic new three-dimensional form. This is commonly done in copper, which Pat will show, but it can be translated into other metals. Patinas can give an entirely different affect to a finished piece and Pat will show ways that you can bring another element into your work. There will be plenty and materials to try your hand at these techniques.



- Registration begins at 8:00 AM, the demonstration starts at 9:00 AM.
- Registration fee:
 - \$15 for members
 - \$20 for non-members,
- Tailgating is encouraged. Tailgaters, please consider donating to Iron in the Hat.
- 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.

Thanks to the efforts of our own Cathi Borthwick and other AABA members, the Botanical Blacksmiths Show at the Arboretum at Flagstaff is growing. When planning your trip to Flagstaff, be sure to include at least a couple of hours to go out to the Arboretum and see some of the pieces your friends submitted for the show. Admission is \$10.00 for an adult. More information at: <http://www.thearb.org>

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.

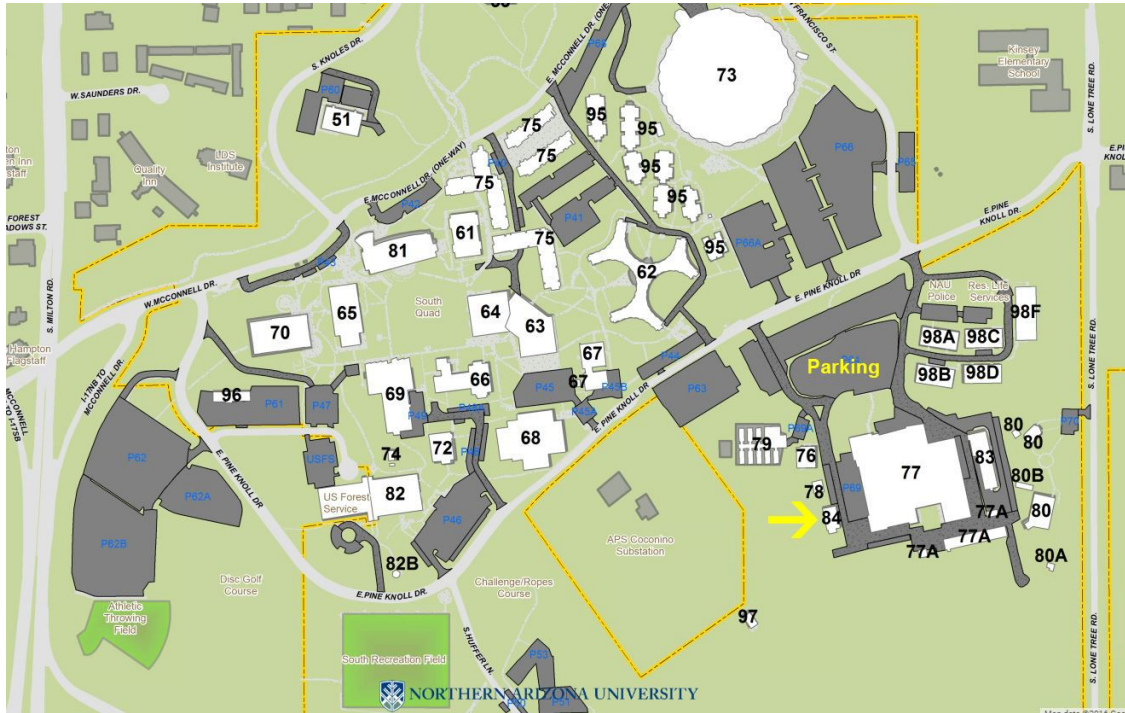
As always, safety glasses are required.

Our July Demonstrator

Pat Downing

Pat is an award-winning metal artist who works out of his studio in San Diego where he creates one-of-a-kind hand-forged sculptures. Pat fuses traditional blacksmithing with contemporary techniques and is especially known for his vibrant patinas and his own unique take on foldforming, the origami-like process of folding heated metal into dramatic shapes.

Though his work is far from traditional, Pat is very aware of the storied roots of blacksmithing. When he's not working in his studio, you can find Pat dressed in 1850's period attire, demonstrating traditional blacksmithing techniques to tourists and school groups at the Old Town State Park in San Diego.



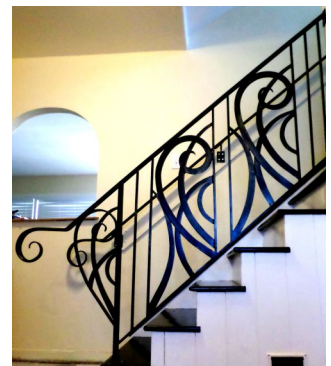
Coming Attractions

The September demo will be at Bill Morris' shop in Camp Verde on September 16th. Celeste Flores will be the demonstrator. She plans to do an ornamental piece that combines steel and some bronze.

Celeste works full time creating architectural and ornamental ironwork at her studio in Oakland, CA. She also works alongside Jerry Coe at Coe Studios in Berkeley where bronze is forged exclusively, and she teaches at the Crucible in Oakland.



Photos: Jon Kennedy



May Demo Report

Bill Ganoe

(Photos by Bill Ganoe unless otherwise noted.)

A good crowd showed up on May 20 for our May meeting to visit with friends and watch a demonstration by Chris Contos. We gathered at Barry and Laurel Denton's Bar-U-Bar ranch in Skull Valley a few miles west of Prescott. Chris showed us how to make and use metal carving chisels. But that involved a lot more than just the simple shaping and finishing of chisels. Chris offered lots of related tips and advice as his demonstration progressed.

The ranch is a long way from the eateries we usually wander off to at noon, so Laurel Denton and her assistants served up a fantastic lunch for us. Of course there was the usual assortment of treasures for Iron in the Hat after lunch. After another of Len Ledet's usual entertaining drawings, Chris continued his demonstration until late afternoon. No Saturday evening BBQ was scheduled this year, so most of us scattered to the four winds as the sun was setting.

Chris began with some general advice. Among other things, don't use regular hammers with stakes and chisels. If both the hammer and the tool are hardened, metal fatigue will develop and one of the other will eventually shatter. (You do wear safety glasses all the time. Right?) Also, if you're making something with many different parts, make them all in tandem so they will fit together.

If you make a hammer, be sure to grind off the edges, so you don't leave unwanted dings in your work.

If you find a good deal on a hammer or other tool at a swap meet and it has a good brand name on it and not too many dings, grab it. Be sure to grind off

any mushroomed edges before they shatter, and, again, grind off sharp edges on hammer faces.

Be careful about grinding. Don't screw up the factory temper. Note: longer belts make for cooler grinding. Also, you may want to put ice cubes in your cooling water.

Mystery steel from a swap meet, or elsewhere, can be a good deal, but you need to be able to identify it. Chris suggested buying some steel of known compositions, cutting off some small sample pieces, marking them with what type of steel they are, and then use them for spark tests to compare with the spark patterns from the mystery steel.

Pitch is usually used for repoussé and chasing, but it can be very messy. One alternative that may work in many situations is just plain leather. But note that using the same tool on different surfaces like leather, pitch, a shot bag, a steel plate or wood will produce different results.

When using a chisel, it is ok to drive the chisel to your side or away from you, but it is better to drive it toward you. That way, you can see exactly where the chisel's edge is going.

When quenching steel, Chris uses olive oil. He reported that it doesn't flash, and it doesn't smell as much, so you can temper your work piece in the oven of the kitchen oven.

This is just a small sampling of the material that Chris covered. Whether or not you are into repoussé, engraving, and metal carving or not, if you missed this demo, you missed a great one.



*Dief had to get up REALLY early to get to the demo.
(Photo: Ivan Hill)*

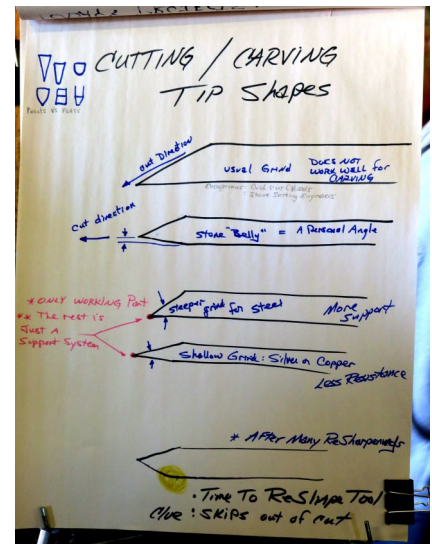
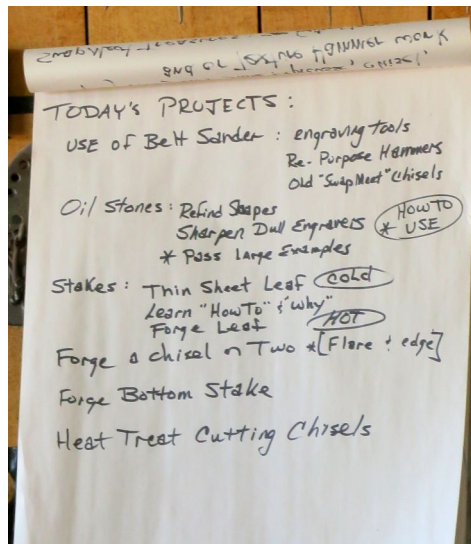
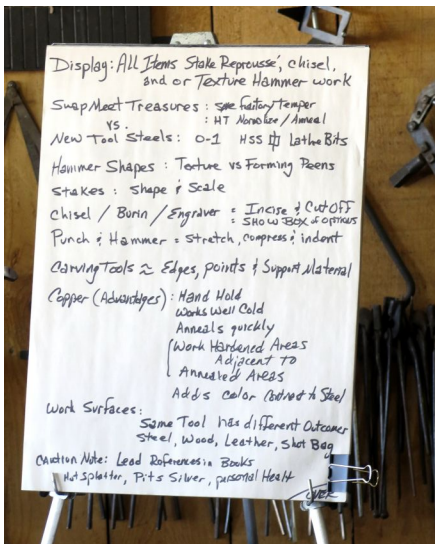


*Looking over things that Barry had for sale before the demo started.
(Photo: Barry Denton)*



Barry Denton, our co-host, watches as Chris Contos and Jason LaBrash adjust the microphone

May Demo Report (cont.)



Posters that Chris drew up.
Use a magnifyer or eMail the editor for files of these photos that you can enlarge at home.



Part of Chris' display described in the poster at the left.



Some of the objects on Chris' display table.

May Demo Report (cont.)



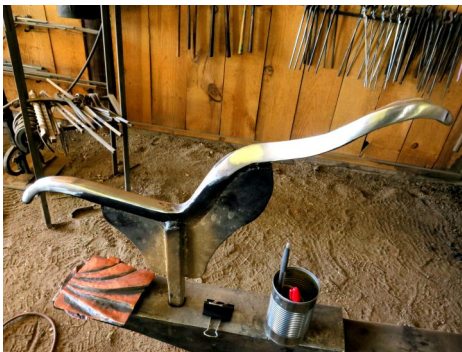
The audience took lots of notes as Chris talked.



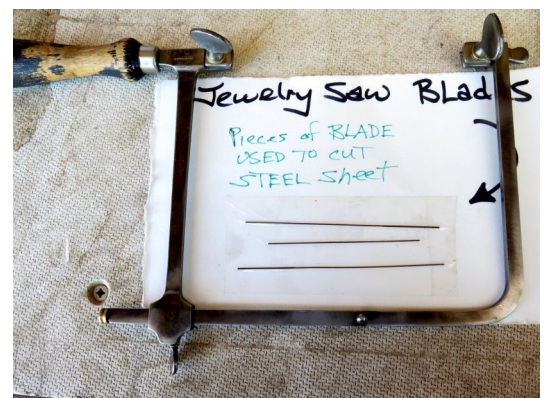
Chris used a really cheap belt grinder to dress a hammer.



Stakes can come in all sorts of shapes and sizes.



A French curve stake is useful for getting smooth, complex curves.



Yes, you could get your shapes all cut out with a laser or a water jet, but, sometimes, it makes sense to stay home and cut them out with a jewelry saw.



Sitting around visiting after a great lunch. Co-host Laurel Denton is leaning against the post.



Some of the goodies that Barry had for sale.



A real iron in a real hat.

AABA grant to support SEEDs for Autism

Early this year, Mary Ann LaRoche applied for a donation from AABA to support the continuing work of her project, SEEDs for Autism. SEEDs provides "a path from 'learning to earning' for young adults with autism through education, vocational training and social skills development in Phoenix, Arizona". The AABA Board of Directors approved a grant of \$1,000, and the check was delivered in April. Below, Mary Ann provides some background on SEEDs and describes how this grant will help the program.

More information: <https://www.seedsforautism.org>
(SEED = Success through Education, Exploration & Development).

Gosh, where does the time go? I can't believe it has been almost seven years now since I decided to take the leap of faith and start SEEDs for Autism.

SEEDs for Autism was always "burning" in my heart, it just took lots of courage to step out and begin making it actually happen. The great thing about life is, if you are open to taking the steps, support and help will follow. It is amazing how passion can be contagious, and people can be so generous.

Having been a board member for AABA was a great growth experience for me. I wanted to become a member, because it became apparent how supportive and encouraging everyone was with the demos and workshops. For me, it was about immersing myself with knowledge and giving back. Being an AABA board member helped shape me, as I also became a Vice President and took on more responsibility lining up demonstrators and all the accommodations for them. This is all said as background as to how SEEDs was developed.

Another aspect of AABA is that the members are so great to give direction and feedback. This organization helped build my confidence to appreciate what could be done if one puts their heart into something, and again, allows people to offer help and guidance. My scrawny 108 pounds could actually make some pretty creative products and build a successful business at it, once I learned how to swing a hammer.

Knowing that I could learn just lit the "fire" in my heart to finally go forward to making a difference in the life of my own brother who was diagnosed with autism in the late 70's. SEEDs for Autism was created to work with youth and adults impacted with autism so they can receive mentorship, socialization skills, job skills, and a place to thrive. Behaviors and symptoms associated with autism can be overwhelming. It is a lifelong journey for families to find services for their children and to help them hopefully adapt and become more independent. Eventually they age out of the school systems, while still having a diagnosis of autism paired with the

many obstacles associated with it. Over 85% of this population are without direction for job prospects, or any community involvement. In other words, they face a future of unemployment and isolation. The SEEDs program focuses on teaching job skills, life skills, and social skills that promote a better future. They teach using hands-on techniques, while using real tools of the trades, working beside professionals, to make beautiful home and garden products. Those products are then sold to the community. Our participants are learning how to do everything from conceiving and designing our products, to making them, to marketing them, to packaging and selling them. With a stronger website, we can inform our communities within and outside of our city, while also promoting and gaining a stronger e-commerce store. Prior to coming to the SEEDs program, our



participants have struggled to fit in, but here, to quote one participant, "they walk with purpose," they have friends, and, most importantly, gain self esteem.

The goal has always been to take the participants from learning to earning, as we not only teach the skills, but eventually build the businesses that will support real jobs from the skills they learn here.

Our welding and metals program is a vital component to creating some of our most popular home and garden products. This department is the only one that is run 3 days a week solely with volunteer supervision. The participants have real tools and learn to use the plasma cutter, forge, welding equipment, and how to swing a hammer with precision and accuracy. This department is a critical one and requires regular maintenance and

supplies, so we were thrilled to learn we were approved for a \$1,000.00 grant from the Arizona Artists Blacksmith Association to help with this.

Please know how proud I am to be associated with AABA, and I will always hold dear to my heart

the lessons of life learned from being an ACTIVE member. We always learn more when we teach what we know.

- Mary Ann LaRoche



Len Ledet, AABA treasurer, presenting the check for the AABA grant to Mary Ann LaRoche.

AABA members Len Ledet, Bill Callaway, and Dick Wright volunteer at SEEDs for Autism. They are looking for more volunteers.

Library News

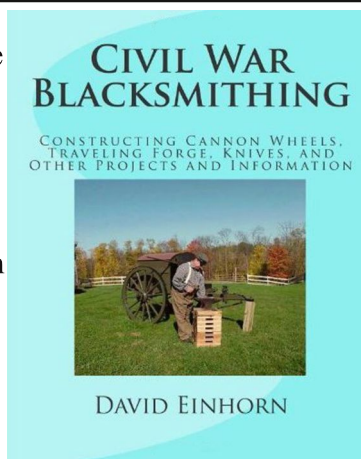
David Bridenbaugh, AABA Librarian

Len Ledet has generously donated a book to our library. The book is "Civil War Blacksmithing" by David M. Einhorn and it is available for check out at the demonstrations. The book begins with basic information about tools and techniques of the blacksmith. This information is timeless, as accurate today as it was back in the olde days. The author builds on this with plans and construction details for items commonly used by modern day reenactors. These items include a fork, trammel, grill and a tripod cooking stand.

A section of the book is dedicated to the traveling forge. This is a blacksmith shop on wheels. It carried all tools and material necessary to shoe horses and repair cannons or various tools and utensils carried by the army. The author provides information to build your own that will accurately replicate one from the civil ear era.

The author provides a great deal of information on the construction of a cannon wheel. The woodworking and blacksmithing tools needed for this are described along with photographs of the tools. Plans and steps are included for making the hub, spokes, fellows (outside part of the wheel) and steel tire. Information is also provided for the jigs used to make the components and assemble the wheel.

If you have been dreaming about building a Civil War era traveling forge, including the wheels, then this book will tell you everything you need to know. It is an interesting book to read even if you don't aspire to this lofty goal.



Calendar 2016 - 2017

July 8, 2017	Open Forge	Desert Rat Forge	Cave Creek
July 22, 2017	Demo - Pat Downing	Northern Arizona University	Flagstaff
August 12, 2017	Open Forge	Desert Rat Forge	Cave Creek
September 9, 2017	Open Forge	Desert Rat Forge	Cave Creek
September 16, 2017	Demo - Celeste Flores	Bill & Karen Morris' home	Camp Verde
October 7, 2017	Open Forge	TBA	Tucson

Welcome New Members

Martin W. Braun	Gilbert, AZ
Frank Hoelzel	Kansas City, MO
Jared Scott	Mesa, AZ
David Smith	Peoria, AZ
Ron Miller	Prescott, AZ
Steven Strauss	Sedona, AZ
Dakota Kallas	Tempe, AZ
Joe Reitz	Tolleson, AZ
Samuel & Carmen Colton	Yuma, AZ

Sahuaro Ranch in Glendale

More things, such as open forges and demonstrations for school children, are being planned at Sahuaro Ranch. Watch for more details and announcements.

Ride Sharing

Interested in sharing a ride to a far off blacksmithing event 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

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.

Deadline for the November 2017 issue

September 30 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

Classes at Pieh Tool

Beginning/Intermediate Blacksmithing

• No beginning blacksmithing classes are scheduled at Pieh Tool in Camp Verde at this time.

Negotiations are underway with a potential new instructor.

• Damascus classes with Master Bladesmith, Ray Rybar

October 6 - 8, 2017 and December 8 -10, 2017

Registration is \$550.00.

This is a basic class.

Students will make one damascus billet - material will be supplied for one billet - additional material will be available for purchase if student wishes to expand the scope.

Friday, Saturday and Sunday. 7 AM - 6 PM

• Knifemaking class with Master Bladesmith, Ray Rybar

November 10 - 12, 2017

Registration is \$550.00.

Students will make one knife.

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

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, but waiting lists are available. For more information go to: www.mesacc.edu

AABA Website: www.azblacksmiths.org

Open Forge: Tucson

The Open Forge schedule in Tucson is on hold for the summer and will restart on Saturday October 7, 2017. Watch the September 2017 Anvil's Horn for more details.

Open Forge: Grizzly Iron

Don't have a power hammer? Use one at Grizzly Iron, 1329 W. Lincoln St., Phoenix, 5 PM to 8 PM most Wednesdays. \$20 each night. Call Rodger "Grizz" LaBrash at 602-716-9660 to check on the current schedule or to sign up.

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 to 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.**

Open Forge: Desert Rat Forge (Phoenix area)

Paul Diefenderfer will host an open forge on Saturday, July 8, 2017; Saturday, August 12, 2017; and Saturday, September 9, 2017, from 9 am to noon, followed by lunch (You gotta' buy your own.) at the world famous Big Earl's 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!

(Dief will be working some temporary jobs in Florida on and off for the next few months. This will involve travel on Sundays, so he has rescheduled the next several open shops on Saturdays.)

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

A Blacksmith Shop in Jordan

Jim Schremp

I wrote an article that appeared in the September 2016 issue of *The Anvil's Horn* about starting a blacksmithing class for Syrian refugees living in Jordan. Last September I traveled to Jordan to set up a shop and to teach blacksmithing. I was pleasantly surprised to find the Alliance Church in Mafraq, Syria, had a dedicated building for blacksmithing. The shop was equipped with two forges, three anvils, a vice and a welder.

So, with a shop that was up running we launched the first class with Syrians, Jordanians and long term church workers of various nationalities who wanted to learn blacksmithing. The long term workers spoke English, however the Syrians and Jordanians spoke little or no English, so Fadi Betts, who spoke Arabic and English fluently was the interpreter for the class.

Since no one had forging experience, we bought some Play-Doh and used it to explain how the metal moved as it was worked hot. I would demonstrate while Fadi translated as I spoke. Then the students were turned loose to forge the projects. I was very surprised how quickly the students learned to forge. One Syrian man told the translator that he did not believe that you could cut, bend, punch, scroll, and straighten metal because it is too strong. So we had him heat, cut, bend, punch, scroll and straighten a piece of metal. Later on, he and I made a treble clef. In the class we made meat turners, forks, spoons, bottle openers, bracelets, tongs, chisels, punches, and even a metal flower (class project) that went on a child's grave.

There was some minor difficulties. We had a hard

time getting tools, parts, and supplies. Stores in Mafraq tend to be small with not a lot of variety and quality in tools. There were a handful of students (seven), but most people did not understand what blacksmithing is. In Arabic the word "Haddad" translates to metal worker which can mean welder and blacksmith. A blacksmith is "Haddad Belledene" which is a traditional metal worker. Most people thought we were welding.

There was many good things that came out of it. I had some people tell me that the Arab culture would not wear P.P.E. They were wrong. The students wore the P.P.E because I wore the P.P.E. The church purchased safety gear, giving a clear signal that they are safety conscious. There were many pictures and videos taken of the class. It is a good way to advertise for future students. A slideshow and video were shown at a breakfast meeting in the church, and people gasped when they saw glowing metal being twisted and shaped before their eyes.

It was good to see students starting to think outside the box. One Jordanian man came up with a tool to replace a damaged roof tile without disturbing any tiles around it. It's good to get positive response from people. And it's very good when people realize how a simple blacksmith shop can change lives through things such as teaching an ancient craft, receiving therapy by making trade items, and modifying or fabricating a metal part, so it will work in a hardware limited environment. The most important thing is that someone came half way around the world to share a valuable skill. In the process that person came away with knowledge and insight about a culture very different from his own.



The first class

A Blacksmith Shop in Jordan (cont.)



Beginners' tongs



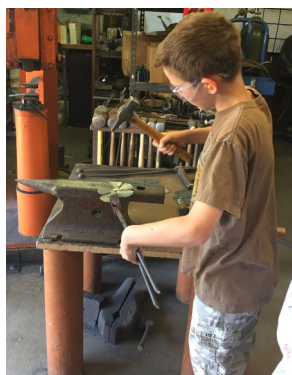
A flower for a child's grave.



Damascus class at Grizzly Iron in Phoenix on April 14, 2017



*A couple of cheese slicers made at the Open Forge at Grizzly Iron on May 31, 2017
(photo: Shawn Chakravarty)*



Texturing a flower at the Open Forge in Tucson on May 6, 2017.



*Joe Madrid demonstrating tong making at the Open Forge at Sam Rivera's shop in Tucson on May 6, 2017.
(photos: Vivayna Lee Ravensfeather)*



Mark your calendars for ABANA 2018



The ABANA 2018 Conference
will held in
Richmond, Virginia
at the
Meadow Event Park

Wed Jun 27 - Sat 30 Jun, 2018



*At the 2017 Pima County Fair, in Tucson, Arizona
(photos: Vivayayna Lee Ravensfeather)*

Interesting Exhibits

Samurai: Armor from the Ann and Gabriel Barbier-Mueller Collection

March 1, 2017 - July 16, 2017

Phoenix Art Museum

1625 N. Central Avenue

Phoenix, AZ 85004-1685

(602) 257-1880

<http://www.phxart.org/Samurai>

The Phoenix Art Museum has a current exhibit of Samurai Armor. The exhibition, organized by The Ann & Gabriel Barbier-Mueller Museum in Dallas, Texas, features more than 140 objects of warrior regalia, with full suits of armor, helmets and masks, weapons, horse tack, and other battle gear. It traces the evolution of the distinctive appearance and equipment of the samurai through the centuries and examines the warriors' history through works of consummate craftsmanship and exquisite design.

Call to Artists

Tohono Chul Gardens, Galleries, and Bistro

Tucson, AZ

Día de los Muertos

August 24 - November 8, 2017

Opening Reception: Thursday, August 24

5:30 - 8:00 p.m.

ENTRY DEADLINE: Monday, July 17

The celebration of El Día de los Muertos is a joyful occasion of remembrance, involving feasts and festivities through which death is recognized as a part of the natural process of living. Contemporary celebrations of this holiday bear both ancient traditions and a modern flair and have become a rich part of Tucson's cultural heritage. This exhibition celebrates the creative ways artists honor and enliven this deeply meaningful holiday through artistic expressions of personal and universal significance.

Artists from the region are invited to submit 2-dimensional or 3-dimensional works in any media for consideration in this juried exhibition. Submitted artwork must creatively explore the essence and emotion of this traditional Mexican holiday. The imagery, symbols, and motifs are endless: memorials and remembrances, altars and shrines, paper banners (papel picado), flowers, candles, saints, graveside vigils, pageantry, sugar skulls, skeletons...

Please feel free to contact James Schaub via email at jschaub@tohonochul.org or Karen Hayes at khayes@tohonochul.org if you have any questions.

Prospectus: <http://tinyurl.com/yckvracf>

(To verify that this goes to tohonochul.org: <http://preview.tinyurl.com/yckvracf>)

Interesting Web Links

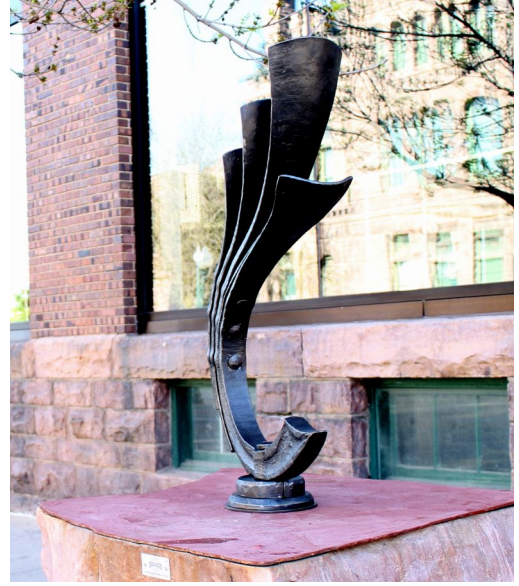
From Victoria Patti's BlacksmithHER Radio:

A podcast (audio only): Lee Sauder "Smelting = Art and Science"

<http://www.blacksmithher.com/ep-92-lee-sauder-smelting-art-science/>

This podcast includes some memories about early ABANA conferences as well as comments "about the qualities and benefits of working with bloom iron, and how it forge welds like a dream!"

Gallery



Delicate Breeze
by
Clark Martinek

The idea of the piece "Delicate Breeze" comes from the "lovely" South Dakota winds we get to enjoy through out the year. If you've ever been here you know what we speak of, Ironically the piece is iron making it not-so-delicate as it seemingly blows in the wind.

The piece stands approx 3ft tall and is held together with only large rivets as you can see in the detail pictures. It was created using hammer and anvil, an Anyang 88 power hammer, and the help of a striker, Josh Feltman.

The piece officially went onto its pedestal and on display to the public May 6th 2017 in Sioux Falls South Dakota where it can be enjoyed while taking a walk in the historic downtown area.

- Clark Martinek





Artist-Blacksmith Association of North America

ABANA is widely recognized as the preeminent organization of blacksmithing in the world.

Visit us online at www.abana.org and like us on Facebook and Twitter.

Join or renew your membership at: www.abana.org/membership

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:

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for renewals, if known. (Not required)

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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

Membership Rates

Type	1 yr	2 yr
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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	

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. 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

Propane forge, 2-burner, made in one of Doug Kluender's forge workshops.
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100 lb. anvil
Hand shear

Jack Friehe, 623-466-9889

Wanted to Buy: Acorn Table

I am looking for an acorn table. I would prefer a 5' x 5' but I am flexible. Please email dhallikainen@gmail.com if you have one available. I am located in Phoenix, but willing to drive.

Coal for Sale

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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.

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

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Bridgeport M Head Vertical Mill with charring attachment for chisel shaping. Original vise, Van Norman Rotary Table 32 X 9 with autofeed x-axis. Three phase with VFD or 110/220 single phase . Multiple attachments: 90 degree quill adjustable, quill master MNT M2 tapered collets, end mill adapters, hold down set and lamp included . Weighs approx. 2000 lbs. \$3000.

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602-252-0341
Dan, 602-316-4140, for tech support.

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For membership information or address change, contact: Terry Porter, 2310 E. Melrose St., Gilbert, AZ 85297, 480-988-2070, trp555@prodigy.net



AABA members demonstrating at the 2017 Pima County Fair.