

The Anvil's Horn

A Publication of the Arizona Artist Blacksmith Association

Issue No. 196 January 2019



*Leaf made by Wendel Broussard as part of his AABA demonstration
November 17, 2018*

President's Message

Howdy All! As of this writing, we just finished up an amazing Scholarship auction at Sahuaro Ranch. We had record attendance (we don't have exact records for years back but I'm going to say it was anyways!) with 84 people who hopefully had as great a time as I did. We also raised about \$3,000 for the scholarship fund too! We're right in the middle of the holidays, so I hope you're keeping the fires lit to stay warm. Even more so, I hope you are spending time with family and friends. As the years go on, we won't regret that we didn't work more or spend more time in our hobbies, but we may regret not spending that extra time with our loved ones. Hold them close and enjoy the memories being made.

That also means 2019 is almost here and I am excited for what 2019 brings. We have a ton of great events planned by Steve Miller and team, starting with Winterfest in Tucson. It's going to be here before we know it! We have an A-list of demonstrators including our very own Peter Sevin and Moe Hamburger. You don't want to miss this event. Last year's Winterfest was a huge success, and I'm excited to see everyone there again.

Happy Holidays and Happy New Year!

Jason LaBrash

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Little Giant Rebuild Seminar March 15-16, 2019

I'm out of space for the full Little Giant Seminar announcement, but if you're interested email Sid at www.sidsshop@windstream.net or check out <http://littlegianthammer.com/>

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AABA Winterfest 2019

Thursday - Saturday, January 24 - 26, 2019

Pima County Fairgrounds

Tucson, AZ

Program (subject to change):

Check the AABA website, www.azblacksmiths.org, for more schedule details. (Coming soon.)

Thursday:

Registration starts at 4:00 pm.

- 7:00 - 9:00 pm - Slide shows by demonstrators
- 9:00 - 10:00 pm - Open Forge

Friday:

Registration starts at 7:30 am, demonstrations starts at 8:00 am.

- Demonstrators morning and afternoon
- 6:00 - 10:00 pm - Open Forge

Saturday:

Registration starts at 7:30 am, demonstrations starts at 8:00 am.

- Demonstrators morning and afternoon
- Iron in the Hat - noon

Saturday evening Banquet:

- Award ceremony
- Silent Auction
- Open forge

Other attractions:

Gallery - Bring your best piece to show off.

If you plan to bring enter something in the Gallery, note your entry on the registration form on page 17.

Full Conference \$95 (includes Saturday banquet)

Single Day \$50

Saturday Banquet \$20

There are two ways to register:

- Through the AABA website, www.azblacksmiths.org (credit card or PayPal) or
- Fill out the form on page 17 and mail it with a check to the address on the form.

Meals: • Food will be available on-site and off-site this weekend.

Lodging: • RV Sites at the Pima County Fairgrounds for \$25/night, dry camping sites for \$20/night.

For more information about the sites at the fairgrounds go to: <http://www.the-rvpark.com/>

- Hotels, motels, and other camping options are available in and around Tucson.

**As always, safety glasses
are required in the
demonstration area.**

Hearing protection, closed-toe shoes, and
long clothes of natural fibers are
recommended.

Directions to the Pima County Fair Grounds Tucson, AZ

- I-10 past central Tucson
- Continue on I-10 about 17 mi. past the I-19 junction to the Houghton Rd. exit.
- Follow the signs to the Pima County Fairgrounds.
- There will be signs to Winterfest parking area(s).

Winterfest 2019 Demonstrators

Monica Coyne



I began as an industrial artist. Experience and skill with metal greatly influences my art. I am trained as a blacksmith to shape steel into tools and connections that will serve an efficient end. I have made a name for myself in the blacksmithing community by forging forms that contradict the weight of the material and the prudential practice of the craft. The strength of steel offers me the opportunity to experiment with balance and asymmetry. Its versatility provides the ability to create surprising forms. I have always been fascinated by the idea that the shape of something can create an emotion in people. I can follow the vein of iron and carbon. I can take it to a place of function, to a gate,



a tool, a joint. Or I can follow it where it wants to go. Or I can do both. This is what I am trying to do. Let the metal move. Explore the forms it takes from steel bar to skin, bone and water.

Rachel David



Through my art I seek to represent the depths of human despair as well as the magical manic intensity of joy and love. As an artist, I use blacksmithing techniques to express emotions and intentions in iron and steel, materials naturally found in the center of the earth, our blood and outer space. The simple forging processes are the building blocks of my visual vocabulary allowing me to manipulate space, line, mass, and void to create the shapes that convey my reactions to life events. I heat the material to stretch it, to split and rejoin it, to put a hole in it or to make it more massive. Each of these highly symbolic processes build the vocabulary of forms that layer together to tell stories. By manipulating steel I create forms that express fear, protectiveness, sensuality, violence, support and communication. I use repetition and pattern to drive compositions to create a sense of movement and urgency or contemplative reflection.

Rachel will be demonstrating a small sculptural element using basic industrial forging methods to isolate and redistribute mass. This will result in both organic movement and geometric joints.

Moe Hamburger



I will be demonstrating the techniques and methods I use in my work including some tips and tricks.

Artist statement:

No more than what is essential, enough to make it elegant, simple, functional, worthy, enduring, and cherished.



Winterfest 2019 Demonstrators



Patrick Quinn

Patrick J. Quinn is the executive director at the Center for Metal Arts in Johnstown Pa. where he teaches the resident blacksmithing classes and coordinates the visiting artist workshops. Pat has taught blacksmithing, fabrication, and tool making at Southern Illinois University, Hereford College of the arts, The Penland School of Craft, The Haystack Mountain School of Crafts, and The Adirondack Folk School.

With a passion for sculpture and education Patrick uses forging as a vehicle to express himself through sculpture and uses toolmaking and teaching as a way to share what he find so intrinsic about metalworking with his students. With a firm belief in “quality work starts with quality tooling,” Pat uses this philosophy to forge the best possible tooling for the Center for Metal Arts. Trying to give all the students the best quality education is atop his priority list and he works tirelessly to try to make the Center for Metal Arts the best forging classroom it can be.

Pat’s sculpture is a mix of proper technique driven, and expressive forgings. Often inspired by Joinery techniques, he uses these as an outlet for sculpture and a way to join together contemporary forgings. Exercising a keen eye for design and developing work through both form and line, Pat is down to simple forgings, and building work with multiples. Reliant on design and composition, his work combines clean forgings with carefully contemplated construction.

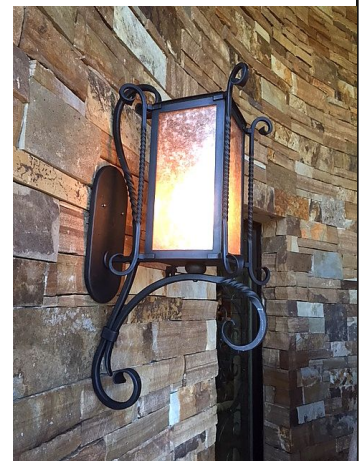
Patrick is a 2015 Niche award winner, and has work in the Evansville IN Museum of Art and science permanent collection. His work has been featured in juried exhibitions such as “Transitions” (Belgium), and “Forge” contemporary forged metal design (UK), “Craft Forms”, “43rd Mid States Craft Exhibition”, “New York Silver, Then and Now”(Museum of the City of New York) and “Metal in Motion” (National Ornamental Metal Museum).



Peter Sevin

Peter Sevin, an artisan blacksmith, doing work as Art Ironworks, has created beautiful wrought iron creations for over 35 years in Phoenix, Arizona. Ranging from fireplace screens, andirons, grills and lighting sconces, to chairs, hand railings and chandeliers, he designs and makes all of his own work.

Peter plans to demonstrate several tricks and techniques that he has learned over the years rather than a single large project.



November Demo Report

Bill Ganoe

Photos by Bill Ganoe unless otherwise noted.

Over 40 members and guests attended Wendel Broussard's Repoussé on Saturday, November 17 at Peter Sevin's shop in Phoenix.

Wendel started out discussing the tools and materials he uses in his repoussé work. He had a three-page handout dealing with the tooling he uses. That handout can be found on pages 13 - 15 in this issue of the Anvil's Horn. Wendel usually uses 20-ga. steel for cold work and 14-ga. steel for hot work.

Wendel said he makes many of his stakes by welding ball bearings onto 1" x 1/2" rod. He uses the same size rod for his stakes so he can change them without cranking the vise handle around a lot. He uses MIG to tack the ball onto the rod then he heats the ball to cherry red and uses TIG or acetylene to weld the ball to the rod. He makes many hammers from used jack hammer bits that you can get at many tool rental places. He doesn't reharden the ball bearings or hammers. Remember: every so often you're going to miss.

Wendel proceeded to demonstrate cold-working techniques in the morning offering many tips and explanations along the way. After lunch and the Iron-in-the-Hat drawing, he demonstrated hot-working techniques. Wendel also taught an Architectural Repoussé class on Sunday through Tuesday following his demonstration on Saturday. If you weren't at the demo, you missed a lot of good information and techniques. Many of Wendel's tips could be applied to general blacksmithing.



Wendel Broussard at work.



Wendel had no trouble holding the audience's attention.



Some samples of Wendel's work that he brought to the demonstration



Demonstrating hot work with a torch.

AABA Annual Auction and Banquet 2018

Bill Ganoe

(Photos by Bill Ganoe.)

The 2018 AABA Annual Meeting, Banquet, and Auction was held on Sunday, December 2, 2018 at the Sahuaro Ranch in Glendale, Arizona. Again, this year the event was held in the packing shed southeast of the machine shed where many past events have been held. And, again, the meal was completely catered with trays full of pulled pork, fried chicken, a vegetarian dish, beans and coleslaw. And chocolate brownies to die for. Over 80 members and guests got to enjoy this feast.

Our president, Jason LaBrash, conducted a short membership meeting at which elections results were announced. Jason LaBrash was re-elected President for 2019, and Steve Miller was re-elected 1st Vice President for 2019. Dylan Cook was elected 2nd Vice-President. Beatrice Perret and Wally Warnke were elected Treasurer and Secretary respectively. They replace Secretary Terry Porter and Treasurer Len Ledet. Terry, who has been Secretary for ten years, and Len, who has been Treasurer for 13 years, both decided it was time to move on and turn the reins over to new people. Awards were presented to both Len and Terry for their years of service. Steve Miller described some of the interesting events that are being developed for 2019.

After the membership meeting, we moved on to awards. Trophies were awarded for pieces made by members and donated to the Auction. Moe Hamburger made the trophy hammers for these awards. Wally Warnke won the Best of Class award for the Intermediate Class, and Jaime Escobedo won the Best of Class award for the Advanced Class. Ken Webb won the Peoples' Choice award. Sadly, the Novice Class was dropped this year for lack of interest.

The Bill Callaway Award for Outstanding Member Contributions was awarded to Bill and Karen Morris for the many ways they support AABA including hosting the September AABA Board meeting and demonstrations in Camp Verde for the last several years.

The rest of the afternoon was devoted to the Annual Auction. It was conducted again this year by Len Ledet's friend and professional auctioneer, Craig Riggie. Proceeds from the Annual Auction benefit the Read Carlock Memorial Scholarship Fund. Fund was established to honor long-time AABA member, Read Carlock. The purpose of the Fund is to provide financial assistance to interested individuals who want to develop their blacksmithing/metalworking skills and abilities. More information about the Scholarship can be found at www.azblacksmiths.org/read-carlock-scholarship.

In addition to the auction items donated by members, vendors donated auction prizes. Many attendees were lucky enough to have their tickets drawn, and they went home with some valuable prizes. Those prizes included a gift certificates from **King Architectural Metals** (www.kingmetals.com); patinas, coatings, and finishes from **Sculpt Nouveau** (www.sculptnouveau.com); gift certificates from **Superior Steel Stamp Co.** (www.superiorsteelstamp.com) which could be used for a touchmark stamp; a 110v. MIG welder from **Vern Lewis Welding Supply** (www.vernlewis.com); and a shop vac from **Six Points Hardware** (www.sixpointshardware.com) in Phoenix.



Lots good friends and good eats



Vendors' donations



Auction in progress.

AABA Annual Auction and Banquet 2018 (cont.)



The steel writing tablet presented to Terry Porter for his years of service as AABA Secretary



The steel check book and pen presented to Len Ledet' for his years of service as AABA Treasurer

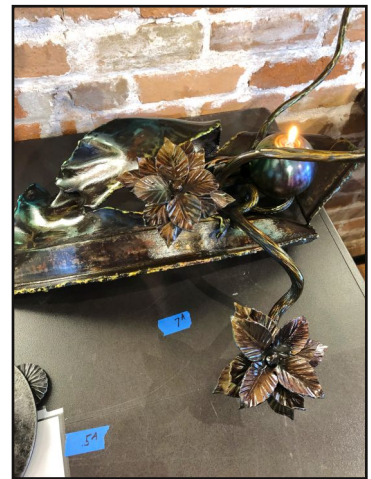


The Bill Callaway Award presented to Bill and Karen Morris for Outstanding Member Contributions to AABA.



*Best in Class Award
Advanced Class
Jaime Escobedo*

Glitches on the Internet prevented the transfer by press time of high quality photos taken by Wally Warnke. His photos will appear in the March issue of the Anvil's Horn.



*Peoples' Choice Award
Ken Webb*



Steve Fisher showed off his creativity with a display of bottle openers at Desert Metal Craft in Tucson on December 1, 2018. Yes, the snake has a lip to catch a bottle cap.

Call to Artists

Tohono Chul

7366 N. Paseo del Norte, Tucson, AZ

Pollen Path

Exhibition dates: February 14 - April 17, 2019

Submission deadline: Monday, January 14, 2019

Pollination begins with the flower and ends with the seed. It is a fascinating process that leads to the fertilization and reproduction of all flowering plants. The Sonoran Desert, in every season, is home to a wide variety of flowering plants and numerous pollinators that keep them moving forward.

POLLEN PATH will follow the many directions pollen flows through the air - on the wind and on the bodies of pollinators in the accidental acts of self-pollination and cross pollination.

The flowering plants of the Sonoran Desert are filled with myriad colors, shapes, textures, and lines; fertile territory for any artist. In combination with the pattern, decoration and unpredictable movement of the desert's fantastic pollinators another story unfolds. Artists are asked to contribute works of art that focus on the desert's pollen producers and transporters – in isolation or in concert – in microcosm or macrocosm. The possibilities are endless. Artists from the region are invited to submit 2-dimensional or 3-dimensional works in any media for consideration in this curated exhibition.

Please feel free to contact | James Schaub via email at jschaub@tohonochul.org or Nicole George via email at ngeorge@tohonochul.org if you have any questions.

The complete prospectus can be found at:

<https://tohonochulpark.org/wp-content/uploads/2018/12/POLLEN-PATH-Call-for-Entries.pdf>

Pueblo Grande Museum Ancient Technology Day: Prehistoric & Historic

4619 E Washington St, Phoenix, AZ

Saturday March 9, 2019, 9 a.m. to 3 p.m.

Setup from 8 to 9 a.m. - Breakdown at 3 p.m.

Deadline for submitting participation form: February 1, 2019

Ancient Technology Day showcases different historic and prehistoric skills, crafts, and technologies. Participation as a demonstrator or organization is free. Vending is allowed during this event as long as it is accompanied with an educational or demonstration component.

PGM received a grant to support ATD this year, so they will be giving out stipends to demonstrators on a first come first serve basis. The sooner the application is received, the better chance for receiving one of those stipends before the funds run out.

Please note there are a limited number of tables, chairs, and canopies available from the Museum. If you would like to request 1 table, 2 chairs, and shade, please indicate on the participation form. These are available on a first come, first serve basis and not guaranteed, if you can provide your own, please do. We will do our best to accommodate all requests.

Contact the editor, editor@azblacksmiths.org, for a copy of the participation form to be submitted to the Pueblo Grande Museum.

Calendar 2019

Jan. 5, 2019	Open Forge	Desert Metal Craft	Tucson
Jan. 5, 2019	Open Forge	Desert Rat Forge	Cave Creek
Jan. 9, 2019	Open Forge	Grizzly Iron	Phoenix
Jan. 23, 2019	Open Forge	Grizzly Iron	Phoenix
Jan. 24 - 26, 2019	Winterfest-II	Pima County Fairgrounds	Tucson
Mar.16, 2019	Damascus Demonstration	Grizzly Iron	Phoenix

Kevlar Gloves and Other Merchandise

I'm getting ready to order Kevlar gloves, but I need a specific number before I can place the order. If you're interested in Kevlar gloves, send me an email at rozinski@cox.net. Put **GLOVES** in the subject line, and in the body of the email tell me how many pairs you want. **Also tell me if you want only left hand or right hand gloves.** As soon as I can get the total number of gloves for the order, I'll get a price to you.

Also if anybody has any special request for ordering specific garments to let me know, so that I can order them.

Richard Rozinski

MCC Blacksmithing & Welding

The Mesa Community College blacksmithing program is an excellent deal - over 60 hours of instruction including material and propane! Classes are on Tuesday and Thursday evenings with instructor Dan Jennings and on Saturdays with instructor Jaime Escobedo. Blacksmithing is WLD103.

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 may be available. For more information go to:
www.mesacc.edu

Deadline for the March 2019 issue

February 1, 2019 is the deadline submitting photos and articles for the September issue of the Anvil's Horn.

Send articles, pictures, etc. by email to:

editor@azblacksmiths.org

or by regular mail to:

Bill Ganoë, PO Box 40233, Tucson, AZ 85717

Welcome New Members

Keith Jeffcoat	Cave Creek, AZ
Francine L. Kavanaugh	Gilbert, AZ
Dominic Perkins	Mesa, AZ
Armando Herrera	Oceanside, CA
Ken Hickins	Peoria, AZ
Nicholas Pierce	Phoenix, AZ
Kristin Loewenthal	Sonoma, CA
Luke Tompkins	Tucson, AZ
Rocky Burrows	Williams, AZ
Ande Brown	Winnipeg, MB

Classes at Pieh Tool Beginning/Intermediate Blacksmithing

• Beginning/Intermediate blacksmithing classes with Dylan Cook
January 18-20, 2019
February 15-17, 2019
March 29-31
Registration is \$550.
Students will make several simple projects to take home.

• Knifemaking class with Master Bladesmith, Ray Rybar
February 1-3, 2019
Registration is \$550.00.
Students will make one knife.

• Damascus class with Master Bladesmith, Ray Rybar
This is a basic damascus class. It is not a knifemaking course.
March 1-3, 2019

(Most of these classes are full at press time. Check with Pieh Tool about getting on a waiting list.)

For more details call 888-743-4866 or browse to
www.piehtoolco.com.

AABA Website: www.azblacksmiths.org

Open Forge: Tucson

Desert Metal Craft will host an Open Forge on Saturday January 5, 2019, from 9 AM to noon.

Desert Metal Craft is at 544 E. 24th St. in Tucson.

Open Forge: Grizzly Iron

Don't have a power hammer? Use one at Grizzly Iron, 1329 W. Lincoln St., Phoenix, 4:30 PM to 8:30 PM two Wednesdays each month (December 26, January 9, and January 23). \$20 each night. Contact Rodger "Grizz" LaBrash at 602-716-9660 or grizz@grizzlyiron.com if you have any questions.

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 put something donation box to help our hosts with their expenses. Thank you! From all of your open forge hosts. **You will need to wear safety glasses.**

Hearing protection is recommended.

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.

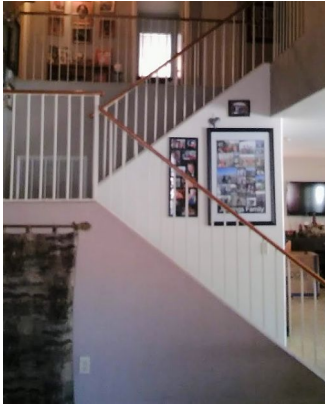
eMail notices when event details change or new events are scheduled on short notice.

AABA New Member and Membership Renewal Form

Name _____	
Address _____	<input type="checkbox"/> Do not publish
City _____ State _____ Zip _____	
Phone (home) _____ (mobile) _____	<input type="checkbox"/> Do not publish
Email _____	
Professional blacksmith _____ Hobbyist _____ Farrier _____ Blade smith _____	
Your main blacksmithing interest _____	
Occupation or skill _____	
Please check one:	Mail to: Wally Warnke
Regular membership (\$35) _____	7070 E. Dogwood Trail.
Family membership (\$40) _____	Cornville, AZ 86325-5154

Make Check Payable to AABA

Members' Gallery



Before



After

Dan Jennings

Railing Upgrade

The family all got tree tattoos to symbolize the commitment they have to each other. Thus "tree" in the railing. The Mom likes hearts so the tree has a few.

“What are we? ...LAZY BLACKSMITHS!”

This was, for me, the greatest educational moment of Caitlin Morris’s demonstration.

As odd as that may sound, even the most muscular of hammer wielding smiths should strive for laziness. I really enjoyed her perspective on this:

“If you’re trying to muscle your way through the steel, you’re putting too much effort into it. I respect it. I understand that you’re a strong human being. The flip side to it is that if I can do it without expending nearly that much energy I’m going to prefer that. Less energy means I don’t get tired as quickly.”

Ms. Caitlin demonstrated and emphasized how a simplified thought process and proper technique can allow for the most effective use of energy. She breaks it down to a simple outline for blacksmithing. Laziness is doing things in the lowest energy form (plenty of heat, proper tool use, body awareness). This means you can forge longer without tiring. A longer period to work inevitably means more mistakes will be made. The only thing to do with all these mistakes during this long period of work is learn how to fix them (and then how to avoid them). End result is you get better at blacksmithing if you’re lazy!

Reprinted from Fall 2018 issue of The Virginia Blacksmith, joint newsletter of the Central Virginia Blacksmith Guild and the Southwest Virginia Blacksmith Guild. This is a portion of a demonstration report by Erin Mitchell.

Wendel Broussard's handout

AABA November demonstration

Page 1

Repousse' Tooling : The Basics by Wendel Broussard

Acquiring the correct tooling is important for a proper repousse'. This is not a suggestion for "toolamania", but rather a scope of tools needed for getting started on the road to being a repousseur.

You can obtain most shapes and designs with seven basic repousse' hammers. Two of these hammers can be different size ball-peen hammers used for embossing. The remaining five hammers being 2 veining hammers (one for thin and one for thick veins), 2 plannishing hammers and embossing hammer with small radiuses, are difficult to find on the market and are either adapted from other hammers or made from scratch (a material well suited for this task is jack-hammer bits).

The veining hammers should have a straight area in the center of the face equaling half of the face and the shoulder of the face radiused slightly leaving the remaining two quarters. (fig.1)

The progression of the radius allows smooth lines to be made almost as if accomplished with a single blow due to the fact the hammer can be cocked over and only the required radius is to be used.

A continuous radius of the face causes dips in the material and an undesirable vein and should be avoided.

The opposite of the veining hammer can have a straight face with slight radiuses on the shoulders to avoid "dinging" the surface of the material. (fig.2) This side is for creating straight veins.

PROPORTIONS

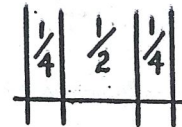


fig. 1

STRAIGHT

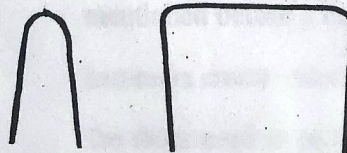


fig. 2

Wendel Broussard's handout

AABA November demonstration

Page 2

THE FINER THE VEIN THE THICKER THE FACE OF THE HAMMER. That just sounds backwards I know, but a THIN face creates a line by pushing the material down, abruptly causing a trough. The wider face hammer pushes the material down in a more subtle fashion causing the stake underneath to crease the material to a pristine line. The general veining hammer should have a thickness of approximately $3/16"$. As for the finer veining hammers, they can vary from $3/8"$ - $1/2"$ in thickness. (fig.3)

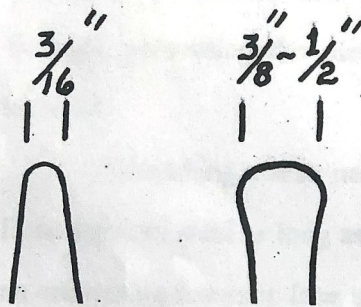


fig. 3

A word to the wise. Keep your hammers relatively light (11-12 oz.). The integrity of the work requires a series of blows, so a heavy hammer can fatigue an arm in short order.

The two planishing hammers should have a convex face on one side for planishing inside radiuses of embossing and the edge of the face needs to be radiused a bit to prevent those "dings" that occur on those not so controlled strikes. The opposite side of the planishing hammer is concaved for the outside radius of the embossing. This concaved face makes good use of the striking surface of the hammer covering more area with each blow. Sounds like splitting hairs, but with the number of blows planishing takes, you need all the help you can get. (fig. 4)

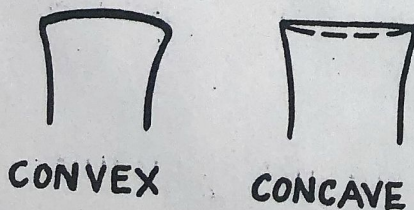


fig. 4

One planishing hammer can have a face approximately $3/4"$ dia. The other hammer is a smaller $3/8"$ for those hard to reach places.

Embossing hammers can vary in styles. As I mentioned before a ball peen hammer can be used. These hammers create volume in your repousse' so the sizes of the faces need to progress from smaller face to larger face

Wendel Broussard's handout

AABA November demonstration

Page 3

hammers depending on the design and size of repousse' at hand. The material used for embossing into can be either lead, wood, or a steel form. Steel forms are typically used on hot work. The lead and wood need to have an indentation either hammered in or carved to accommodate the portion of the work to be embossed.

Veining stakes need to reflect the shapes of the veining hammers, radiused and straight, because the same theory is being used but on the underside of the work. In a nut shell you're working with a top and bottom die here. One difference is the stake needs to be sharp, about the sharpness of a butter knife. This allows the edge of the stake to bite into the material, but not cut through, preventing the piece from slipping off the stake and keeping the vein flowing and graceful.

Plannishing stakes need to echo the shape of the embossing. These stakes can be made from any tool steel as long as it does not acquire flat spots during long periods of use. By putting an embossing hammer face up in a vise, "bingo", you have a plannishing stake. Another way to acquire a plannishing stake is to weld different size ball-bearings on a piece of mild steel bar stock and you have a perfectly round surface for plannishing. Be sure to pre-heat the ball-bearing before welding to prevent the weld from crystallizing the hard material of the ball-bearing.

As far as the care and feeding of repousse' tools one should always keep the working surface of the tools smooth and semi-pollished. A nick in a tool can cause die printing in the surface of the piece.

Classes and Events at AABA Members' Shops

Grizzly Iron

1329 W. Lincoln St., Phoenix, AZ

EDC Knife Workshop

When: February 9 - 10, 2019

Price : \$385

Learn the basics of forging an every day carry knife under the instruction of Rodger LaBrash. You'll go through the processes of forging, grinding, heat treating, and handling the blade. All materials will be provided.

For more information about these classes or to register call Roger or Jason at 602-716-9660 or email jason@grizzlyiron.com. Other classes may be listed at: <http://grizzlyiron.com/classes-and-workshops>

Desert Metal Craft

544 E. 24th St., Tucson, AZ

Grand Opening

When: February 2, 2019

"Desert Metal Craft will be holding its grand opening on February 2nd 2019 with a ton of activities including live entertainment, a silent auction, food, demonstrations of blacksmithing and metallurgy and even some good ol' axe throwing! Desert Metal Craft is the only school in the southwest dedicated to teaching blacksmithing, bladesmithing and fabrication together with the modern science behind the craft of metalworking. Please check the website often for updates to the grand opening schedule of events and available classes as well." - Rich Greenwood

Several classes and workshops are scheduled before and after the grand opening.
For more details check out the website: DesertMetalCraft.org



*Casey Abbs (red shirt) and Sam Rivera (gray shirt)
demonstrated at the Empire Ranch Cowboy Festival
near Sonoita, AZ
November 2018*

Winterfest 2019 Registration

Two ways to register:

- Through the AABA website, www.azblacksmiths.org (credit card or PayPal) or
- Fill out the form below and mail it with a check to:
Steve Miller, 16251 North 49th St., Scottsdale, AZ 85254

Registration Form

Winterfest 2019

Thursday - Saturday, January 24 - 26, 2019

Pre-registration deadline is December 31, 2018
Single day admission can be purchased at the door.

Name _____ Address _____
City _____ State _____ ZIP _____
email _____ Phone: Home (_____) _____ Mobile (_____) _____

	Price each	Number	Total	
Full Conference (3 days - Saturday evening banquet is separate)	\$95	___	\$ _____	
Single day: Friday ___ Saturday ___	\$50	___	\$ _____	
Single day (blacksmith student): Friday ___ Saturday ___	\$40	___	\$ _____	
Saturday banquet	\$20	___	\$ _____	
Meal options: Pulled Pork ___ Shredded Chicken ___ or Vegetarian ___				
T-Shirts.....	\$20	___	\$ _____	
T-Shirt Size	SM	L	XL	XXL
T-Shirt Color (Gray or Yellow)	_____	_____	_____	_____
T-Shirt Quantity	_____	_____	_____	_____
RV Site	\$30 / night	___	\$ _____	
Dry camping site	\$20 / night	___	\$ _____	
Total Payment			\$ _____	

Will you submit a gallery entry? Yes ____ No ____

The gallery will be inside. Each entry must be hand-delivered. We do not have the facilities to ship entries this year.
AABA cannot accept liability for gallery entries this year.

For the display card: Title _____ Artist's name _____
Size: Height _____ Length _____ Width _____ Will your entry require a pedestal? Yes ____ No ____

Send this form with your total payment to: Steve Miller, 16251 North 49th St., Scottsdale, AZ 85254

Make check payable to Steve Miller

Each Person is required to sign an Acknowledge and Assumption of Risk in order to be admitted to the Winterfest 2019 Conference (including minors through a parent or guardian). I acknowledge that blacksmithing and related activities are inherently dangerous and involve risks and dangers to participants and spectators that may result in serious injury or death. In deciding to attend the Winterfest 2019 Conference, I have considered these risks, and I knowingly assume them. I agree that I am responsible for my own safety during the Conference, including wearing appropriate clothing and protective gear and remaining a safe distance from all dangerous activities. I agree to hold the Arizona Artist Blacksmith Association (AABA), the Southwestern Fair Commission, Inc. (the Commission), members or employees of AABA and the Commission, and any others involved in the Winterfest 2019 Conference harmless from liability and expenses arising from my own actions or omissions. I agree that my admission to the Winterfest 2019 Conference constitutes agreement with this Acknowledgment and Acceptance of Risk

Signed _____ Date _____

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
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of really good forging coal. If
interested please email Michael
Sobrado at dragonforge1@cox.net

Please only request quantities in 1
Ton increments. Smaller quantities
will not be eligible for the Bulk
Discount. Last time out the
shipping cost more than the coal. I
will order when we have enough
interest to make this worthwhile.
Deposits will be required prior to
ordering.

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) 313-4650.

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. You need to establish an account at IMS. It's free. No credit approval is needed. You can pay with cash. Give the staff your account name whenever you buy something, then request the education discount as an AABA member. If questioned, inform the clerk that they should have an AABA member list behind the counter.

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

Tucson Open Forge, December 1, 2018

Sam Rivera's Shop



Photo by Vivyayna Ravensfeather



Photo by Bill Ganoe

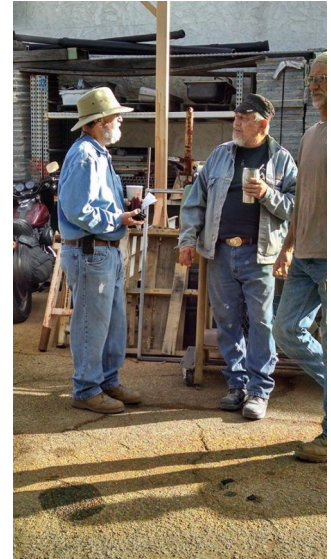


Photo by Vivyayna Ravensfeather

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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.
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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.

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Attn: Bill Ganoe
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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.

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