

The Anvil's Horn

A publication of the
Arizona Artist Blacksmith Association

Issue No. 233, March 2025



*Trivet by Frank Annighofer
at Winterfest VII*

President's Message

Hello Blacksmiths,

Winterfest VII was a great success! It seems like ages ago that we restarted this annual conference. There are many thanks to give for making this a successful event. Thank you to everyone that made it possible for the setup and cleanup crew, staff, demonstrators (Josh, Victoria, and Frank), Sculpture Tucson, and everyone that participated. It's fair to say we have established the recipe for this event. If you have any suggestions for improvement, let us know. And if you have kudos on what you liked, we'd like to hear that also. Please let Richard or myself know.

What I like about AABA: I like the respect blacksmiths have for each other in AABA. When I first joined, I was welcomed into an atmosphere of camaraderie and friendship, that still exists today. The experienced smiths shared their knowledge and helped out a beginning smith. Their interest was in growing the craft and their willingness to help anyone interested or to get others interested is much appreciated. As our skills improve, its a natural follow-on that we develop the ability to share those skills with others. There are several opportunities within AABA to share your skills whether as a demonstrator or helping to run our education program (Winterfest, workshops, open forges, etc.).



See you around the forge,

Steve Miller

President's Projects:

March – Horsehead Fire Poker, see details on the next page.

May – Flower, any kind of plant or flower

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The Anvil's Horn is printed by Sundance Press, Tucson, AZ

The Anvil's Horn is created with Scribus 1.6.2

Demonstration: Saturday, March 15, 2025

Paul Diefenderfer's shop, 7645 E. Highland Rd., Cave Creek, AZ

Demonstrator: Paul "Dief" Diefenderfer

I will be demonstrating ginko leaves using mild steel and wrought iron. I will include a discussion on how best to use wrought iron and where to find it.

After the last election I collected hundreds of pieces of 1/2" rebar, so I will make things with rebar. Also, I will show and discuss basic MIG welding for artists. After the demo people can stick around and play with the 110 lb. air hammer, the 16 ton press, and whatever else catches their interest.



Demonstration:

- Registration begins at 8:00 AM, the demonstration starts at 9:00 AM.
- Registration fee: \$25 for members, \$40 for non-members,
- Tailgating is encouraged.
- Bring things for Iron-In-the-Hat.

NOTE: No folded tickets. Any folded tickets that are drawn will be thrown away.

- Bring things for Show-and-Tell. Don't forget to put your name on anything you bring for Show-and-Tell.
- Lunch is on your own. There are several good restaurants in the neighborhood including Big Earl's Greasy Eats - highly recommended by Dief.
- Tailgaters, please consider donating to Iron in the Hat.

Workshop:

There is no post-demo workshop scheduled for March.

President's Projects for March and May:

- March: a horsehead firepoker. If you prefer not to forge weld the pokie end, just electric weld and forge out. I won't tell anyone. Here's a couple of YouTube videos as examples. There are a ton more out there, so pick your favorite and see what you can do.
Forging a horse head (in 60 seconds): <https://www.youtube.com/watch?v=wxGSqgpDmqg>
How to Forge a Fireplace Poker - Basic Forge Welding:
<https://www.youtube.com/watch?v=uTOJyqstOhs>
- May – A flower, or any kind of plant

Directions to 7645 E. Highland Rd., Cave Creek, AZ

From the 4-way stop at Cave Creek Rd and School House Rd head north on School House 1.2 miles to Highland Rd. Turn right. After a mile+ the road becomes gravel. Stay on the main gravel road for a mile. Turn right when you get to the two buffalo sculptures. Park by the shipping containers. We will shuttle you to the shop or you can walk the 1500 ft along the single lane road. If the shuttle isn't there give us a holler on the radio under the umbrella.

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.

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

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

Winterfest VII Report

Winterfest VII got underway Thursday, January 17, 2025, with an informal evening get-together at Sculpture Tucson. The evening featured slide shows by each of the demonstrators scheduled during Friday and Saturday. The demonstrators talked about their background and current work.

Friday morning started off with Josh States who created some Hamon blades for his demonstration.

Josh described the steps he takes before starting to forge a blade. Start out by making a template. Draw out the blade you want to make, photocopy the drawing, and then draw the tang on the copies. This allows you to change the design of the tang without completely redrawing the blade. Cut out the template and glue it to a steel (or aluminum) sheet, cut around the template, then lay the metal template on the anvil face. Draw the template outline on the anvil face with a piece of chalk. Forge your blade to that outline. (If part of the outline gets rubbed out, it is easy to retrace the outline with the aluminum template.) Forge your blade to just cover the white line. That leaves a little extra to grind down. Josh then described and demonstrated many of the fine points of forging a blade.

During his demonstration, Josh used a simple, low-cost temperature monitor. It consisted of a single Type N thermocouple and a simple digital readout. The thermocouple was positioned just inside the gas forge, and the lead was plugged into the readout. This indicated cost a total of about \$80, and would indicate temperatures well into to range for welding Damascus billets (around 2,000 deg. - 2,150 deg.)

By noon on Friday, Josh had gotten a couple of blades forged and ground to the point they were ready to be clayed. He wound up his Saturday demo by claying the blades and hanging them up to dry. After the clay on the blades dried for a day or so, the blades would be ready to be hardened when he returned for the second part of his demonstration at noon on Saturday.

Friday afternoon featured a demonstration by Victoria Ritter from California. She covered a lot of details about forging leaves and then proceeded to create a door knocker featuring a large leaf. Not only did she create great leaves, but she demonstrated forging a ring for the door knocker.

At the end of the afternoon, she created some house numbers with tiny leaves at end of the digit.

Among her many tips and suggestions was to pay attention to your posture when you're hammering. If the far edge of your hammer is digging in, you may be leaning forward. If the near edge of your hammer is digging in, you may be leaning backwards. Try to keep yourself straight and vertical.

In general, her advice to get good results with your hammer was to: use a lighter hammer, watch your posture carefully, collect your feet (bring them together), and slow up (swing fast, but don't swing several times in rapid succession.) Of course, these points don't hold if you're a striker swinging a heavy sledge hammer.

After a break for a meal early Friday evening, people gathered in the barn for blacksmith games. One game was blacksmith shuffleboard. There were several two- person teams, a striker and a person holding a heated 3/4" square rod and a handled hotcut. The anvil was placed just inside of the door of the barn, and a shuffleboard court was marked out on the ground outside of the barn. The object was to cut off a 3/4" cube in such a way that it flew off and dropped onto a numbered area of the shuffleboard court. The team collected the points marked in that area. Some of those red-hot cubes flew off to some areas with high numbers. Some cubes just dropped near the anvil stand, and a few never left the anvil face (well, the cutting plate on the anvil face).

After a rousing game of shuffleboard, the next game was blacksmith version of jenga. The idea was to see how many hammers players could balance on an anvil before the whole collection fell to the floor. The person who added the hammer that resulted in everything crashing was the loser.

After lunch on Saturday, we had the Iron in the Hat drawing. Many of the items in the raffle were tools and material donated by relatives of some of our members who had passed away this year. They were Joe Madrid and Dean Farrington. There were so many items this time, that a team headed by AABA President, Steve Miller, went through the tables and drew the winning tickets while everyone else was off getting lunch. Winning numbers were taped to each item and were read out during the gathering after lunch.

Saturday morning featured a demonstration by ABANA President, Frank Annighofer, demonstrating three different types of scrolls and using them in a trivet.

Winterfest VII Report (cont.)

Early in his demonstration, Frank showed an example of the trivet he was going to make, and he asked the audience what they thought he should charge for it. The audience thought it should go for around \$50 to \$150. Frank said that the range should be \$350 - \$500. Given that Frank runs the architectural blacksmithing business, Wood & Iron Works, in Montana, I'll take Frank's price range.

During his demonstration, Frank made scrolls using free-hand techniques and using scrolling jigs. He also demonstrated how to make a scrolling jig.

Among Frank's tips: If you are starting from scratch, forging a scroll free-handed or making a jig from scratch, draw out your scroll. When you have a drawing that looks good, tape the drawing to a sheet of metal, and use a center punch to follow the lines, then lift the drawing and use a Sharpie to follow the dots. If the line gets erased, you still have the punch marks to follow and redraw the line.

The actual scrolls he demonstrated were a plain scroll, a ha'penny scroll, and a beveled scroll. The beveled scroll was quite intriguing. After Frank finished his demo at noon on Saturday and people

had a chance to get lunch, Frank went to the teaching tent to help people make their own beveled scrolls.

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As the sun started to set on Saturday, people gathered in the big tent for munches, a hosted bar, and a banquet featuring roast beef, chicken, and a vegetarian option.

After the banquet, winning bidders in the silent auction were announced. Finally, the winning ticket for the contents of the Lost Dutchman's Treasure Chest was held by Jaime Escobedo.



One of Josh's blades after he had finished claying it.



Josh's temperature monitor.



Some of Josh's finished Hamon blades

Hamon

A hamon is basically just a wavy line that appears on a steel surface, but it is more than just a faint, wavy line. Its appearance on a steel knife or sword blade tells a lot about how the blade was made and how it will perform.

A hamon is created by differential hardening of the blade. The edge is hardened steel while the spine is left softer and tougher, so it is less likely to break.

This differential hardening is produced by applying clay to the spine of the blade, letting it dry, then hardening the blade. The purpose of the clay isn't so much to keep the blade under the clay cool when heating to quenching temperature, but to slow the cooling of the spine during quenching resulting in a softer, tougher area

of the blade.

Such a blade is etched to bring out the hamon line. The acid eats away at the softer section faster than it does the hardened section, so the softer section shows up as a darker area while the hardened section is lighter.

While the hamon is a good indicator of the advanced hardening process of the blade, it can also show interesting, complex visual patterns which may add to the value of the blade.

The technique for producing the hamon was discovered and developed by the Japanese along with the Katana, according to legend, around 700 A.D.

Winterfest VII Report (cont.)



Victoria Ritter's door knocker



One of Victoria's house numbers



Victoria demonstrating



Frank Annighofer demonstrating scrolls



Frank making a bevel scroll



Frank's easy-to-make bending fork



The teaching tent was a popular feature



The banquet crowd



Jaime Escobedo won the contents of the Lost Dutchman's Treasure Chest

Winterfest VII Report (cont.)

Entries in the Gallery



*Jaime Escobedo
Woman*

*Chasing and Repoussé with forged
frame and holder.*



*Steve Grater
Embracing*



*Mark Cazaux
B-B-Q*



*Ira Weisenfeld
Saguaro Home*



*Doug Stearns
Sunchild*



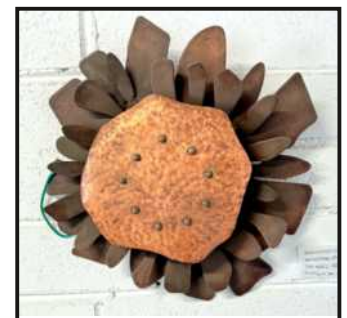
Brian Forrest



*William Ott
Christmas candle holders*



*Frank Annighofer
Misc. Level II scrolls*



*Sam Rivera
Wall Sconce*

Botanical Blacksmith Exhibit Updates

by Cathi Borthwick

2024 was a very lucky year for the 13th annual rendition of The Botanical Blacksmiths exhibit at The Arboretum at Flagstaff. It was the biggest exhibit yet with 42 pieces in the outdoor exhibit created by 22 different artists, a number of whom were students studying sculpture at NAU. There were a number of sales before the exhibit had even officially opened and, in the end, 20 pieces sold from the exhibit. New in 2024 was an indoor exhibit of ironwork in the Visitor's Center. It was a nice location as visitors passed through the room on their way to the gardens. Space was limited for the indoor exhibit but we were still able to display 28 pieces (in the exhibit room and in the gift shop) by 7 artists and 8 of those pieces sold. The exhibit received good publicity including many radio spots and mention in the Phoenix Home and Gardens Magazine.

2025 holds the promise of another good year for the exhibit. The road to The Arboretum has always been a challenge to maintain as it is a dirt road that is part City owned and part Forest Service owned. However, parts have been paved as more development occurs close to town; The Arboretum was awarded a grant from the Forest Service to help maintain the part leading to The Arboretum; and the County has taken over maintenance responsibilities for the road as it leads past The Arboretum to County recreational open space being developed south of The Arboretum. The Arboretum is also filling out a robust summer schedule of concerts, plant sales, and other special events. All that bodes well for increased visitation to the gardens and our exhibit. We will once again have both the indoor and outdoor exhibit spaces. As it was its inaugural year and we were working out the kinks, the 2024 indoor exhibit was only open to artists who had been past participants in the outdoor exhibit. But this year it is open to all artists who want to participate. There will be some amount of jurying for the indoor exhibit as the exhibit space is limited but there is ample room in the gardens for everyone's ironwork.

For more information about participating in this year's exhibit, please contact Cathi Borthwick at info@flagforge.com or 928-890-9609 or see the announcement in this month's newsletter.

Some of the entries in 2024



James Schremp



Ira Weisenfeld



Steve Miller



Cathi Borthwick & Sharon Richards



Cathi Borthwick

14th Annual Botanical Blacksmiths at The Arboretum of Flagstaff



May 4-September 20, 2025

You are invited to be a part of this well loved and eagerly anticipated exhibit that showcases outdoor ironwork in a beautiful high country garden environment as well as an indoor ironwork exhibit in the Visitor's Center. All levels of artists are welcome. This is a chance to show and sell your work to visitors from across the country.

More information about the exhibit and how to sign up can be found in the March edition of the *Anvil's Horn*. Or feel free to contact Cathi Borthwick at 928-890-9609 or info@flagforge.com for application forms and exhibit information.

Sign up by April 22 and help make this the best exhibit yet!

AABA Calendar 2025

March 15
May 17

Demo: Paul Diefenderfer
Demo: Steve Grater

Desert Rat Forge
Sculpture Tucson

Cave Creek
Tucson

Your dues for 2025 are due now. AABA membership runs January 1 to December 31 each year.

MCC Blacksmithing & Welding Class

The Mesa Community College blacksmithing program is an excellent deal - over 60 hours of instruction including material and propane! Classes for the Spring 2025 semester started the second week of January 2025. Check the Mesa CC website for specific dates and details for classes in the Summer and Fall 2025 sessions as they become available. Blacksmithing is listed as **WLD103** in the class schedule. Classes fill up early, but waiting lists may be available. For more information go to: www.mesacc.edu

Available Positions in AABA:

AABA has several support positions that need to be filled by new people.

Scholarship Committee – Rich Greenwood has been our Scholarship Committee Chair and has stepped down. Steve Miller, David Goodman, and Richard Rozinski are serving as temporary members of the committee, but they are already in other permanent positions. They would welcome other volunteers for this committee.

Treasurer – Ali Merriman is our current Treasurer and is also interested in stepping down. We've been searching for a replacement for a while and are still in need. Let Steve Miller or Ali know if you would be interested or have any questions about the position.

Retail Sales – Richard Rozinski is doing double duty as 1st VP and Retail Sales. Its time to pass on the retail sales torch to a new person. Richard will provide training and all the info required for this position.

Contact AABA President, Steve Miller, at stevemiller.az@cox.net.

Thank you for your consideration on fulfilling these important roles in support of AABA.

Deadline for the May 2025 issue

April 1, 2025 is the deadline submitting photos and articles for the May 2025 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

Not Seeing the Demonstrations You Would Like? Not Seeing the Articles You Would Like in *The Anvil's Horn*?

Is there a project, tool, ornament you would like to see at an AABA demonstration? Is there a particular demonstrator you would like to see? Send your request(s) to the AABA 1st Vice President, Richard Rozinski, 602-803-7255 or rrozinski@me.com

Is there a particular project or technique you would like to see in *The Anvil's Horn*? Is there a general topic you would like to see covered? Send your request(s) to the editor, Bill Ganoe, by email to:

editor@azblacksmiths.org or by regular mail to:
Bill Ganoe
PO Box 40233
Tucson, AZ 85717

Welcome New Members

Scott Neece	Phoenix, AZ
Landon Young	Prescott Valley, AZ
Dean Ball	Tucson, AZ
Benjamin Buller	Tucson, AZ
Ricardo Quiroz	Tucson, AZ
Tobias Flores	Hays, KS

Blacksmith Workshops In Prescott

Individual and Small Group Classes/Workshops are tailored to individual skills, goals and interests of students. Half Day, Full Day and Multiple Day Workshops available.

ABANA LEVEL 1 Certification and LEVEL 2 Instruction also available.

Contact Dylan Cook for more information at 928-830-8168 or dylancookforge@gmail.com

Classes at Pieh Tool in Camp Verde

The Pieh Tool store in Camp Verde has been permanently closed. Dylan Cook, who was the instructor for blacksmithing classes at the Camp Verde store, is teaching classes and workshops at his shop in Prescott.

AABA Website: www.azblacksmiths.org

Open Forge: Tucson

Open forges in Tucson will be held from 9 AM to 12 noon on Saturday, March 1, 2025 and Saturday, April 5, 2025, but hosts and locations are still being worked out. If you are on the email list for southern Arizona, you will get a notice with full details about a week ahead of the open forge. If you aren't on that email list, send a request to editor@azblacksmiths.org

Open Forge: Grizzly Iron

Open forges at Grizzly Iron have been indefinitely paused because of heavy business work load. Check the website: <https://grizzlyiron.com/core-classes/> or <https://grizzlyiron.com/master-classes/> for changes as they develop.

Open Forge: Iron Rhino Forge

2051 E. Cedar St. Suite 6, Tempe

Open forges are scheduled every Tuesday evening from 6 PM to 10 PM. Free to watch, \$30.00 to participate. Check

<https://www.arizonablacksmith.wtf/open-forge> for details and to reserve a spot. Since space is limited, reservations are needed.

Open Forge: Desert Rat Forge (Phoenix area)

Paul Diefenderfer will host an open forge at Desert Rat Forge on Saturday, March 1, 2025 and Saturday, April 5, 2025, 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. Have fun with a propane or coal forge, fly press, power hammer, widgets and gadgets.

Desert Rat Forge is at: 7645 E. Highland Rd., Cave Creek. 602-509-1543 or dief@phoenixrockgym.com.

Directions: From the center of Cave Creek – 4-way stop at Cave Creek Rd & School House Rd. Head north on School House 1.2 miles to Highland Rd (if you get to the 4-way stop at Fleming Springs you've gone a tad too far) . Turn right (east) on Highland After about 1 mile the pavement ends. Please drive slow to avoid kicking up dust. As the gravel road makes a turn to the left there will be a single lane gravel road on the right with a sign for 7645. Drive down this road for bit until you see the big anvil. You are there! Park in the pull-out if there is room – please do not park on top of any vegetation! If no room, return to main dirt road, park along the north edge, and walk the 700 feet back to property.

If You Are Attending An Open Forge...

These open forges are part of AABA educational activities, but AABA does not provide funds for these events. 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 in the 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.

***** Also, observe the safety requirements of the open forge hosts.*****

Classes and Events at AABA Members' Shops

Desert Metal Craft

544 E. 24th St., Tucson, AZ

The schedule at Desert Metal Craft features a wide range of classes and workshops. A list of classes and workshops coming up this fall and winter will be out in May. Check the DMC website, <https://www.desertmetalcraft.org>, for details of specific events, and to register for each class or workshop. Be sure to check out the scholarship opportunities.

Events to watch for include an open forge Wednesdays starting soon, and a class on making an Integral Pairing Knife taught by Nick Rossi Mar 22-25, 2025

Grizzly Iron

Phoenix, AZ

Join Grizzly Iron for an open house March 8, 2025 from 9 am - 2 pm at our new larger shop at 1725 E. Broadway Rd., Phoenix! We will have live demonstrations in blacksmithing, welding, and CNC plasma cutting—showcasing the artistry and craftsmanship behind our work. While this is not a hands-on event, we invite you to stop by, explore our new space, reconnect with friends, and enjoy great company. We look forward to seeing you there!

Iron Rhino Forge

2051 E. Cedar St. Suite 6, Tempe AZ

The Iron Rhino Forge has a wide range of special blacksmithing and knifemaking classes, demos, and workshops with local instructors and master-level guests from around the country and the world! Details and registration are at <https://www.arizonablacksmith.wtf>.

Classes to watch for include Introduction to Blacksmithing, Introduction to Blacksmithing/Knife Making, and a Slip Joint Pocket Knife class. Also, a demonstration by Frank Christensen, April 19, 2025, on making high carbon steel for a knife from iron ore dug up in the desert.

CALL FOR ENTRIES

Botanical Blacksmiths and Friends 2025:

Ironwork at the Arboretum

The Arboretum at Flagstaff

May 4 – September 20, 2025

The Botanical Blacksmith exhibit, now in its 14th year, is a chance for artists to showcase their ironwork at The Arboretum at Flagstaff. An indoor art exhibit, located in the Visitor's Center, is now in its second year. The available space for the indoor portion of the exhibit is limited so work for this part of the exhibit will be accepted on a space available basis. Artists are asked to submit separate applications for the indoor and outdoor exhibits.

As in the past, there are no restrictions on design or size, just that the work needs to be suitable for family viewing, be made for outdoor use, and fit in a garden setting (for outdoor pieces). It is appreciated if the indoor pieces have a design connection to the natural world. You can show work that has been at The Arboretum before but please refrain from entering any piece that was in the exhibit in 2024 so we can present a fresh look. Work should not be so large that it can't be manually transported to its exhibit spot. Please note the question on the application asking if you'd be willing to handle shipping/delivery of your artwork. This does not come up very often but it might determine if a sale is made. Unfortunately, The Arboretum doesn't have the ability to do shipping so it is up to the artist or the buyer to arrange for delivery.

Work may be offered for sale and the Arboretum takes a 30% commission on all sales. When a piece sells, the buyer is given the opportunity to take it with them rather than waiting until the show closes to take possession of the piece. Most buyers choose to take the piece with them. If they do take one of your pieces, you are invited to bring in a replacement piece to keep the show looking robust.

While this show is a non-juried exhibit, you are asked to send in the application and photos/details about your work to aid in planning the layout of the show (also, good photos of the work submitted are much appreciated for use in advertising the show). Please have the paperwork to Cathi by April 22. The work can be delivered starting April 30 and needs to be in place by May 3. Please coordinate with The Arboretum staff to make sure they know you are coming up.

Please fill out the Entry Form on page 16 of this issue and send all the application information to Cathi Cathi at info@flagforge.com. If you have questions please contact Cathi via email or at 928-890-9609. If it's easier to mail the application, please send it to **Cathi Borthwick, 118 Sherwood Ln., Flagstaff, AZ 86001**.

Calendar

April 22 - Deadline letting Cathi know you intend to participate and submit paperwork.

April 30 - May 3 – Delivery of artwork

May 4 – Opening day of exhibit

September 20 – Exhibit closes

September 21 - Oct 31 – Pick up work

Important Information

*Artist is responsible for delivery, installation, and pick up of artwork. Don't count on help from the Arboretum staff although they have been helpful in the past.

*Artwork will be displayed in an outdoor setting. It must be able to withstand exposure to the elements and to the public.

*Artwork should be suitable for family viewing and be appropriate for a garden setting.

*Limited security is provided by The Arboretum at Flagstaff.

*Commission on artwork sold is 30%

Members Gallery



David Bridenbaugh
Candle holders from pipe.



These aren't too creative but still interesting. Easy to make with a power hammer. People seem to like them.
- David Bridenbaugh

Roger Degner
Pine Branches

Here is one of the things I demonstrated at the November demonstration at Grizzly Iron.

First I split a 3/8" round rod approx 6" in length with a portaband saw. A hacksaw or splitting chisel would work if your really good. I then opened the cut and slid 1 1/2" staples till this cut was almost full to the end of the bar. With a mig welder I tacked the end closed. In a gas forge I heated the branch to an orange heat, then I placed one end in the vise and with vise grips on the end twisted the bar several revolutions. After they cool bend each staple leg till it looks like a pine branch. They will revolve around.



Members Gallery

David Flynn



India Bell

Forged iron with copper, brass and leather accents. 12"x 14"x 32" high.



Partial Eclipse Bell

Forged iron with copper, brass and aluminum accents. Nine planets, sun and partial moon are present in sculpture. 15"x 22"x 36"h.



Tong Jaws to Minimize Kick-Open

Jake James, Metchosin, BC

Reported by Mike Mumford



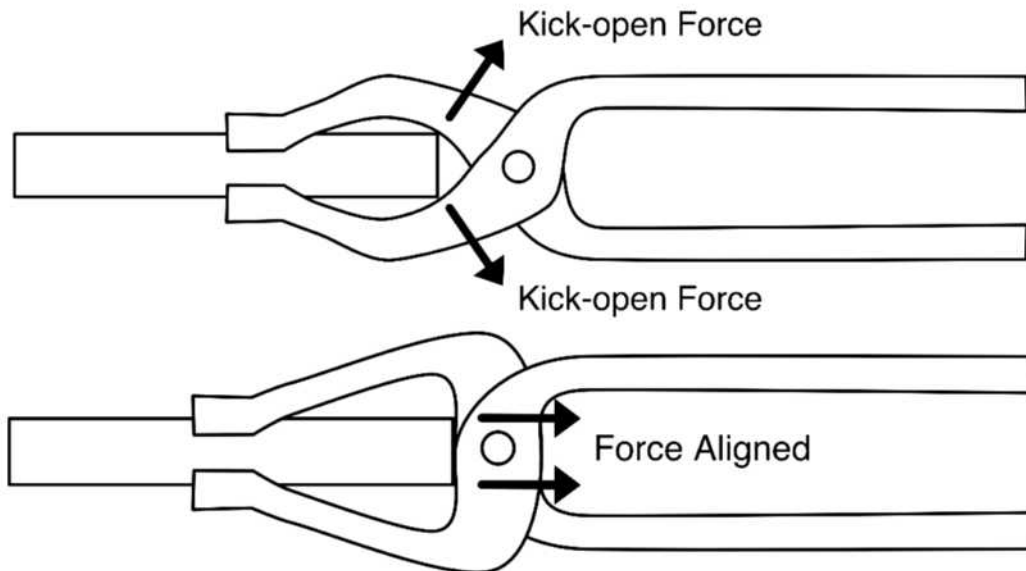
Examples used by Frank Trousil and Mark Krause at Spring Conference 2016.



Examples from RoadRunner Forge

Jake James showed this idea at the April 2016 sculpture workshop at Adams Forge. His concept is, simply, to arrange the pivot design of tongs so that stock kickback will not kick the jaws open. I.e., design the pivot area so that the force exerted when the stock bottoms out against the jaws does not tend to force the jaws open.

Here's the idea:



Besides the practicality of these: enjoy the art-nouveau styling!

Application for Botanical Blacksmiths 2025 Outdoor Exhibit

Please complete and return by April 22, 2025 to:

Cathi Borthwick
118 Sherwood Ln
Flagstaff, AZ 86001

or email to:
info@flagforge.com

Artist Name _____

Address _____

City, State, Zip _____

Daytime phone _____

Evening phone _____

Email _____

Are you willing to ship/deliver your work to the buyer if necessary? Y N
(You can add a charge for this service)

Artwork Submitted

(Images of work are not required but would be helpful if available)

1. Title _____

Dimensions _____

Weight _____

Description _____

Will work be offered for sale? Y N Price or value if NFS \$ _____

2. Title _____

Dimensions _____

Weight _____

Description _____

Will work be offered for sale? Y N Price or value if NFS \$ _____

(Please add more sheets if you have more than 2 entries)

News from ABANA

Artist-Blacksmith's Association of North America

The Artist-Blacksmith's Association of North America is a 501(c)3 non-profit organization dedicated to preserving, promoting, and sharing technical skills and design excellence in the blacksmith community. We offer education workshops, technical and art publications, grants, awards, conferences, and exhibitions honoring the metal arts.

BENEFITS OF ABANA MEMBERSHIP INCLUDE:

- Discounts with blacksmith suppliers and deals on everyday items like movie tickets, attractions, travel, shopping, and more!
- Quarterly issues of *The Anvil's Ring* and *Hammer's Blow* packed with interviews, inspiration, how-to articles, news, and information.
- Discounts on ABANA educational classes
- Eligibility for National Curriculum certification
- Access to educational grants
- Discounts on ABANA merchandise and conferences
- Right to vote for and/or run for the ABANA Board of Directors

NEW:
Multi-Year
Memberships
Available!

VISIT ABANA.ORG/JOIN



The next ABANA Conference will be held November 2026, in Bentonville, Arkansas.



Visit ABANA at CanIRON

National Curriculum Instructors Frank Annighofer and Ryan Belanger will be demonstrating in the National Curriculum Tent at CanIRON.

CanIRON is Canada's biennial conference held on odd-numbered years. Get details on this and other blacksmithing events on the ABANA Events page: <https://abana.org/affiliate-events/>



Got Something to Sell?

Place an online classified ad to advertise your items on our website and social media accounts.



Submit up to 250 words and 3 pictures: <https://bit.ly/abana-classifieds>

The Arizona Artist Blacksmith Association is an Affiliate of ABANA

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.

I am including photos, but, if space runs short, photos will be dropped as needed beginning with the oldest..

For Sale

2 hydraulic presses:
Enerpac horizontal 50 ton press with extra 50 ton cylinder, dies. \$2500 obo.

Vertical press, partially constructed-frame, Hydro-line cylinder and tank. \$700 obo.

Ira 520-780-9076 or circleofiron47@gmail.com

I Will Buy

your unwanted blacksmith or horseshoeing tools and supplies.
Barry Denton, 928-442-3290 any day before 7:00 pm.

For Sale

Nazel 48 forging hammer
Call Brian, 928-717-8247.

For Sale

25 lb. Little Giant power hammer very good condition, \$4,000
32" floor cone mandrel, \$400;
Vertical bandsaw
good working condition, \$150
All items in Flagstaff, AZ
Cathi Borthwick, 928-890-9609 or info@flagforge.com

For Sale

206 lb. anvil, double horn, with Hofi-style stand. \$1,500.
25 lb. Little Giant power hammer with Hofi-Clark dies. \$2,300.
2-burner gas forge. \$75.
Jim Poor hand hammers, \$50 ea.
6" post vice \$500

All "as is".
602-302-0474 voice message only.

For Sale

- Lincoln Square Wave TIG 175 TIG or stick, comes with footpedal, no tank or torch. \$400.00
- 1Ph to 3Ph convertor. \$350.00
- Hydraulic Press w/ 2 mounted cylinders. Lots of extras. \$750.00

Pics available
Paul Bradsher 602-228-2426

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.

Terry Horne
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Maricopa, AZ 85139
602-672-7085

www.arrowzonastoneworks.com



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Looking for

worn out horseshoer's rasps; will buy or trade.

Ira Wiesenfeld, 520 780-9076 or circleofiron74@gmail.com.

For Sale

MILLER DYNASTY 200 DX Tig/ Stick Welder. Includes TIG torch, stick stinger, variable fool control, cart, regulator, argon bottle, assorted tungsten's, diffusers and collets. Has been very lightly used by hobbyist, shows as new. \$3200.

SHARPIE DX VACUUM MODEL hand held tungsten grinding kit. \$275.

Chip Uren, Phoenix, 602-809-1200

Gas Forge Building Workshop

Richard Rozinski is offering gas forge building workshops in his shop in Gilbert. Two person minimum. Call Richard for scheduling and prices.
602-803-7255



For Sale

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

Basic blacksmithing and metal forming workshops

Richard Rozinski is offering basic Blacksmithing and metal shaping workshops in his studio in Gilbert Arizona. Class sizes and complexity vary. Class topics range from basic blacksmithing, copper vessel raising, pewter construction and abstract sculpture fabrication.

For details text or call
602-803-7255

Free

Granite slabs in Mesa. Various sizes and colors
Call Paul at 602-228-2426

For Sale

Welding instructor from Mesa Community College is downsizing and selling his blacksmithing equipment. Includes a homemade 35 lb. power hammer, and multiple handtools. Call him at 928-587-3706 or Richard Rozinski at 602-803-7255

Sources

AZ Tool Steel
520 S. 52nd Street #201
Tempe, Arizona 85281
Phone: 480-784-1600
Toll Free: 877-795-1600

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

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bonanzapipelineandsteel.com

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Morganton, NC
Info@BigBLUHammer.com
828 437 5348
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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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Precision engraved, industrial grade stamping and marking products for any application. Brass dies for Hot Stamping Wood or Leather. Hardened Tool Steel Stamps made for marking stainless steel, forged knives/blades much more.
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Sales@superiorsteelstamp.com

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Send \$30US (PayPal) to
clay@tirehammer.com.
Or send check/money to
Clay Spencer
73 Penniston Pvt. Dr.,
Somerville, AL 35670.
I can mail a copy or email PDFs.

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

AABA Membership

Benefits for members include:

Member discounts at vendors around the state including Vern Lewis Welding Supply and Industrial Metal Supply.

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.

NOTE: AABA membership runs from January 1 to December 31 of each year — unless you join in the last 4 months of any given year in which case your membership will expire on December 31 of the following year.

AABA Membership Form: New Member or Renewal

Name _____
Address _____ Do not publish
City _____ State _____ Zip _____
Phone (home) _____ (mobile) _____ Do not publish
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: Mikki Rakestrow
2051 E. Cedar St., Suite 6
Tempe, AZ 85281

Make Check Payable to AABA

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 (AABA). 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.

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For membership information or address change, contact:
Mikki Rakestrow, 2051 E. Cedar St., Suite 6, Tempe, AZ 85281, 520-405-9212, mikkijo101@gmail.com

**Not seeing good coverage of events at your shop?
Take some pictures, write up some text, and submit everything.**

— The editor