

The Anvil's Horn

A Publication of the Arizona Artist Blacksmith Association

Issue No. 219, November 2022



*A half lap joint on the diamond.
The subject of our September demonstration
by Mike Riemer and Dylan Cook.*

President's Message

The September Demo by Mike Reimer was very interesting and amidst historical mining equipment. We were using steel instead of copper, zinc, gold and silver, which was mined in Jerome back in the day. I learned a new joinery technique and got to put it into practice at the following day's workshop. It was a half-lap joint on the diamond using 1/2" square bar. The plus at this demo was the photo workshop by Doug Baldwin. I learned how to get the most out of my cell phone camera for photographing my work. The quality of photo produced I've not been able to accomplish previously and is the caliber required for entering juried shows. Below is the photo that Doug took of the September President's Project that I made.

November's President's Project is a bottle opener, which promises to be much more fun and has a wide range of designs. Explore your creativity and share your design in November. I'd love to see what you make.

Winterfest V registration is online at <http://azblacksmiths.org/winterfest/> and in print on page 16 of this issue of *The Anvil's Horn*.

ABANA's 50th Anniversary is in 2023 and will be held at the Johnstown, PA demonstration grounds with a forging contest. Each Affiliate may send one 3-person team to compete. I'm opening up nominations within AABA, to 3-person teams, or individuals. By the March Demo 2023, we'll look at how many we have and decide how to select our 3-person team to represent AABA. It will be a fun event forge beside some really great smiths. I'll be speaking with our board to cover at least a portion of the costs for the team.



Forge On,

Steve Miller

*I had promised an article on ironwork in northeastern Spain would be in this issue of **The Anvil's Horn**, but that article will be delayed until the January 2023 issue. - Editor*

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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 need to be obtained before republication. **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, November 19, 2022

Demonstrator: Dennis Dusek

Grizzly Iron

1329 W. Lincoln St

Phoenix, AZ

Dennis Dusek workshop

Sunday, November 20, 2022

Grizzly Iron



Dennis is going to demo and share his experiences that he had working with Pavel Tasovsky and Christoph Friedrich. Both very inspiring.

- Registration begins at 8:00 AM, the demonstration starts at 9:00 AM.
- Registration fee:
 - \$15 for members, 20 for non-members
- Lunch is on your own.
 - There are several good eating spots nearby.
- Tailgating is encouraged. Tailgaters, please consider donating to Iron in the Hat.
- Bring things for Iron-In-the-Hat and Show-and-Tell.
 - Be sure to put your name on anything you bring for Show-and-Tell.
- The Dennis Dusek workshop on Sunday is \$100.
 - Dennis plans to work with students on a piece like the picture to the right.
 - Contact Richard Rozinski at 602-803-7255 or neongod52@gmail.com to register.



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 Grizzly Iron

1329 W. Lincoln St., Phoenix, AZ

- I-10 (via the tunnel) to 7th Ave.
- Take 7th Ave. south to Grant.
- Turn west on Grant to 13th Ave.
- Turn north on 13th Ave. to Lincoln St.
- Turn west on Lincoln St. to Grizzly Iron (on the left.)

The President's Project for November: Bottle Opener

This will be an opportunity to really exercise your creativity without getting too complex! See page 4 for some inspiration. Bring your bottle openers to discuss your challenges or to just showoff around 8:45 Saturday morning.

Our November Demonstrator: Dennis Dusek

Dennis Dusek lives in Placerville California with his wife Vaughna and son Zane. His passion for blacksmithing started early during his machinist and welder training at Sierra Junior College.

Dennis is an active member of the California Blacksmith Association (CBA) and has chaired many successful CBA events and conferences. When not at CBA function, you might find him demonstrating at Boeger Winery in Placerville. He enjoys sharing his experiences working with many wonderful smiths from Aspery, Christoph Friedrich, Pavel Tasovsky, and Claudio Bottero to name a few.



President's Project - November

The President's Project this month is a bottle opener. But don't let the simplicity of the idea make you yawn. The opportunities to let your creativity bloom are almost infinite - as demonstrated by some of these bottle openers by Steve Fisher and Patrick Abrahamson Jones. Bring your bottle opener to the demo in November and show show it off.



AABA Annual Meeting, Banquet, and Auction Sunday, December 4, 2022

Fruit Packing Shed/Gallery at Sahuaro Ranch
Glendale, AZ

This year the auction will be held on Sunday, December 4 at Saguaro Ranch. Registration will begin at 11 am with food being served at 12 noon. The annual meeting will start at 1 pm, and the auction will start as soon as the annual meeting is adjourned. There will be no cost for registration or lunch as AABA will cover the costs. We will need a head count so please contact Jason LaBrash to RSVP by November 26. Use the post card inserted in this issue, or contact Jason at 602-717-1459 or jason@grizzlyiron.com.

We will be in the Fruit Packing Shed again this year. This is the same location as the last several years. Make sure you enter off of 59th Ave and Mountain View. Park in the very first parking lot on the right.

The auction is always a great time to reconnect with old friends and make new ones. This year the food will be catered by a local company, so everyone will have more time to relax and enjoy time with your blacksmith family. Please bring new friends too. We want to expand our blacksmith family, and, if you have a friend who would be interested in blacksmith or even just seeing some amazing blacksmith work, please invite them.

We have our auction annually to raise funds for the Read Carlock Memorial Scholarship Fund. That fund supports scholarships for qualified applicants to further their blacksmith and metalsmithing education. In recent years we've auctioned off items such as bottle openers, napkin rings, lamps, wall art, and even tables. You don't have to make a table to participate, but if you've got a project idea that you've always wanted to try, here's a great reason to make it. Maybe it's a centerpiece for a table or a unique door knocker. Every item donated, large or small, is welcome and appreciated. Craig Riggle, our professionally trained auctioneer, will auction off all the items and many people will go home with some amazing treasures.

We do need help during the auction with spotters and presenters, so, if you are interested, please contact Jason at 602-717-1459 or jason@grizzlyiron.com.

Also, remember that it is time to elect AABA officers and members of the AABA board of directors for the coming year. The results of the election will be announced at the Annual Meeting. Be sure to vote with the ballot card insert in the middle of this newsletter.

Directions to the Fruit Packing Shed in Sahuaro Ranch Glendale, AZ

- I-17 to Dunlap Ave.
- West on Dunlap (which turns into Olive Ave.) to 59th Ave.
- North (right) on 59th Ave. to Mountain View Rd.
- West (left) on Mountain View
- Take first right into the East Parking Lot.
- Walk from the parking lot to the Fruit Packing Shed.



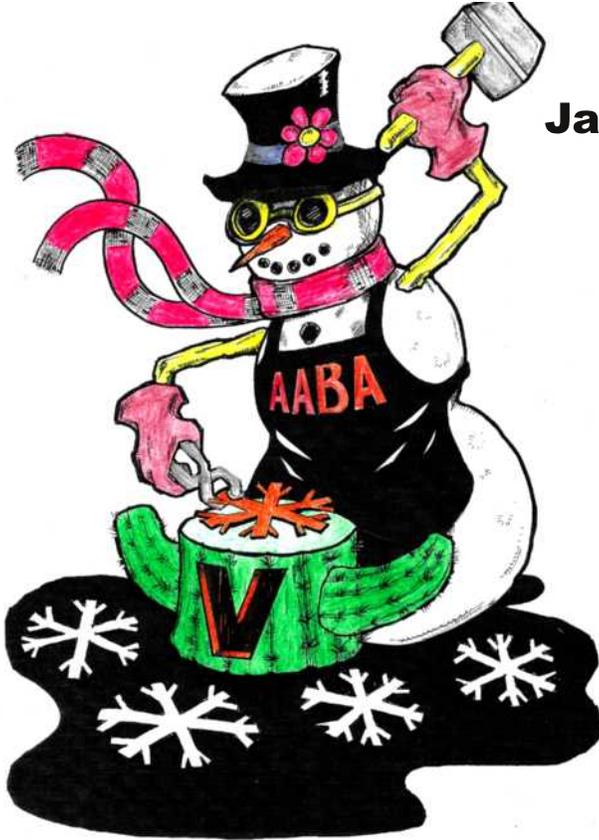
The Anvil's Horn



November 2022



Coming Attractions



Winterfest V January 19-21, 2023

Demonstrators

John Wick	Swords
Jeffery Funk	TBA
Anna Koplik	Cooking utensils
Jacques Galette	Restoration of antique wrought iron
Peter Sevin and Len Ledet	In the teaching tent

Other activities:

Raffle for **The Lost Dutchman's Treasure Chest** full of tools and other treasures for blacksmiths
Iron in the Hat
Tailgating
Silent Auction
Show-and-Tell
Banquet Saturday evening.

- Register on line at <http://azblacksmiths.org/winterfestreg.htm> or with the printed form on page 16 of this issue.
- Look for detailed demonstrator schedules in *The Anvil's Horn* for January 2023 (out in mid-December), and online as soon as possible at www.azblacksmiths.org.

CBA Spring Conference 2023
April 13 - 15, 2023

Vista Forge
Antique Gas & Steam Engine Museum
Vista, CA.

More details as they become available at:
<https://calsmith.org/event-4847459>



September Demo Report

*Bill Ganoë
Photos by Bill Ganoë*

Our September demo was held on Saturday, September 17, on the patio of the Douglas mansion in the Jerome State Historic Park in Jerome, Arizona. (That mansion was built in 1916 by James S. Douglas who headed the United Verde Extension, the operation that produced vast quantities of copper from the ore bodies in the Jerome area.) Our demonstrators, Mike Riemer and Dylan Cook, gave a fascinating and informative demonstration of how to make a half lap joint on the diamond that could form the basis for many interesting and artistic grilles. They also ran a hands-on workshop the next day for students interested in actually making their own joints like this. Students in the class made most of their own jigs before starting to make the their joints. Here are some photos to illustrate the basic process.



*The Douglas mansion
The demo was back where the SUV is.*



*Audience members who were lucky
enough to get spots in the shade.*



*The array of examples, tools, and jigs that
our demonstrators used.*



One of the cutting jigs



Cutting jigs with bars in place ready the saw..



Cutting bars on the band saw.



The finished cut

September Demo Report (Cont.)



Both bars are heated with a torch and bent back to about 90 degrees.



Both bars are fitted together at their cuts, heated with a torch, and bent back until each one is more or less stright.



Final adjustment to get both bars into the same plane.

Photography Workshop by Doug Baldwin

After the September demonstration ended on Saturday afternoon, several AABA members attended a photography workshop conducted by professional photographer Doug Baldwin from Phoenix.

The purpose of the workshop was to show blacksmiths how to improve the photographs they take of their work. That improvement can be critically important when you submit an application to a juried art show or a proposal to a potential client. It can also make a difference when you assemble your portfolio or when you show pictures of your work in magazines, on web pages, or on social media.

During the workshop Doug discussed composition, picking a point of focus, picking the background (materials, colors, and textures), and the use of lighting. (Doug was promoting his own brand of lighting equipment, but other lighting equipment can be used with similar results.)

Other workshops like this will be organized if there is enough interest on the part of AABA members. If you are interested in a workshop like this, contact Richard Rozinski at 602-803-7255 or neongod52@gmail.com

Before and After

Photos on the right were shot by Doug Baldwin after he discussed how he would set up these shots.



Adjustable tong clip by Steve Miller



Bowl by Rihard Rozinski

BOTANICAL BLACKSMITHS AT THE TUBAC PRESIDIO

NOVEMBER 5, 2022 - APRIL 21, 2023



Be part of the 2nd annual Botanical Blacksmiths exhibit at the Tubac Presidio!

This is a non-juried exhibit of ironwork which is displayed throughout the desert gardens of the historic Tubac Presidio. Paperwork due by October 24. Set up days are November 1-4. For more information and to apply, contact Cathi Borthwick at info@flagforge.com or call 928-890-9609.

AABA Calendar 2022-2023

November 19 Demo: Dennis Dusek
December 4 Annual Auction and Banquet
January 19-21 Winterfest V
March 19 Demo:
May 21 Demo: Liz Cameron, Heat Treating
July 16 Demo: Dylan Cook

Grizzly Iron
Sahuaro Ranch
Brandi Fenton Memorial Park
TBA
Desert Metalcraft
NAU
Phoenix
Glendale
Tucson
TBA
Tucson
Flagstaff

AABA Election

The annual election for AABA officers and board members is coming up in November. There is a ballot included in this issue of the Anvil's Horn. Please return it by November 28, 2022. Don't forget that members of the Board of Directors serve 2-year terms, and the following board members will continue to serve until December 2023: Dylan Cook, Bill Ganoe, Rich Greenwood, Ivan Hill, and Jason Labrash.

MCC Blacksmithing & Welding Class

The Mesa Community College blacksmithing program is an excellent deal - over 60 hours of instruction including material and propane! Spring classes start in mid-January 2023. Richard Rozinski and Michael Johnson will be teaching various sections of the class during the week. Jaime Escobedo will be teaching a section on Saturdays. 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

Classes at Pieh Tool in Camp Verde

- Beginning/Intermediate blacksmithing classes with Dylan Cook
November 4-6, 2022
December 9-11, 2022
Registration is \$585.
Students will make several simple projects to take home.
- Knifemaking class with Master Bladesmith, Ray Rybar
November 18-20, 2022
December 16-17, 2022
Registration is \$585.
Students will make one knife.

For full details call 928-554-0700 or go to <https://piehtoolco.com>

Deadline for the January 2023 issue

December 1, 2022 is the deadline submitting photos and articles for the January 2023 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

We Need Your Help

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 neongod52@gmail.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

Ben McClure	Flagstaff, AZ
Andrew Peterson	Jerome, AZ
David Goodman	Mesa, AZ
Bill Gold	Phoenix, AZ
Cooper Mallon	Phoenix, AZ
Noah Nipperus	Phoenix, AZ
Marcus Pavarini	Phoenix, AZ
Archie Lambert	Quartzsite, AZ
Zach Lihatsh	Tucson, AZ
Tiffany Luckey	Tucson, AZ
Kurt Fehrenbach	Atlanta, IN

Xerocraft Makerspace in Tucson

Xerocraft, a Makerspace in Tucson at 6th St. and 9th Ave., is moving ahead to create a new blacksmith shop. It will be designed for teaching, doing, and developing blacksmith skills. AABA member Ed Snyder would appreciate your assistance in spreading the word, by any means, to anyone you think might be interested in getting started in blacksmithing or in building on their current skill set. Ed also needs help getting things set up and operational at Xerocraft in Tucson.

Anyone who thinks they might be interested should contact Ed Snyder at ejsblacksmith@gmail.com. Interested responders will be contacted only if they have questions or as plans develop and they chose to be involved.

AABA Website: www.azblacksmiths.org

Open Forge: Tucson

We are still working on plans for an open forge in Tucson in November 2022. If you are on the email list for southern Arizona, you will get a notice about the November open forge when the plans get worked out. If you aren't on that email list, send a request to editor@azblacksmiths.org

Open Forge: Grizzly Iron

Don't have a power hammer? Use one at Grizzly Iron, 1329 W. Lincoln St., Phoenix, Wednesdays from 5:00 PM to 8:00 PM, more or less. Check <http://grizzlyiron.com/open-forge> or the **Grizzly Iron Open Forge and Workshops** group on Facebook for current details.

Open Forge: Desert Rat Forge (Phoenix area)

Paul Diefenderfer will host an open forge at Desert Rat Forge on Saturday, November 5, 2022 and Saturday, December 3, 2022, 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, flypress, powerhammer, 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 pullout 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 700ft 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.**

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. Check the DMC website, <https://desert-metal-craft-108715.square.site>, for on-line events, details of specific events, and to register for each class or workshop

Special classes to note - check the DMC website for full details:

Fire Sculpture Design and Apparatus. Designing, planning, and building a fire sculpture.

October 28-30, 2022

Utensils with Anna Koplik. Make your own hand-forged steel and brass spoons and spatulas.

November 10-11, 2022 or November 12-13, 2022

Grizzly Iron

1329 W. Lincoln St., Phoenix, AZ

The schedule at Grizzly Iron features a wide range of classes, open forges, and workshops. For the current schedule, prices, and registration check the website: <http://grizzlyiron.com/classes-and-workshops>, or the **Grizzly Iron Open Forge and Workshops** group on Facebook.

This 2-page article was reprinted from the newsletter of the Prairie Blacksmith Association, Nov.-Dec. 2020. While many of us are familiar with the various forms of guillotine tools, not everyone has one. This reprint may help some members build their own tools. The second page also has some interesting suggestions for dies that may be useful for anyone with a similar guillotine tool. - Editor

OUR FRIEND'S FORGE

Newsletters from other blacksmith associations

Reprinted from the Appalachian Area Chapter of ABANA Newsletter July-August 1999

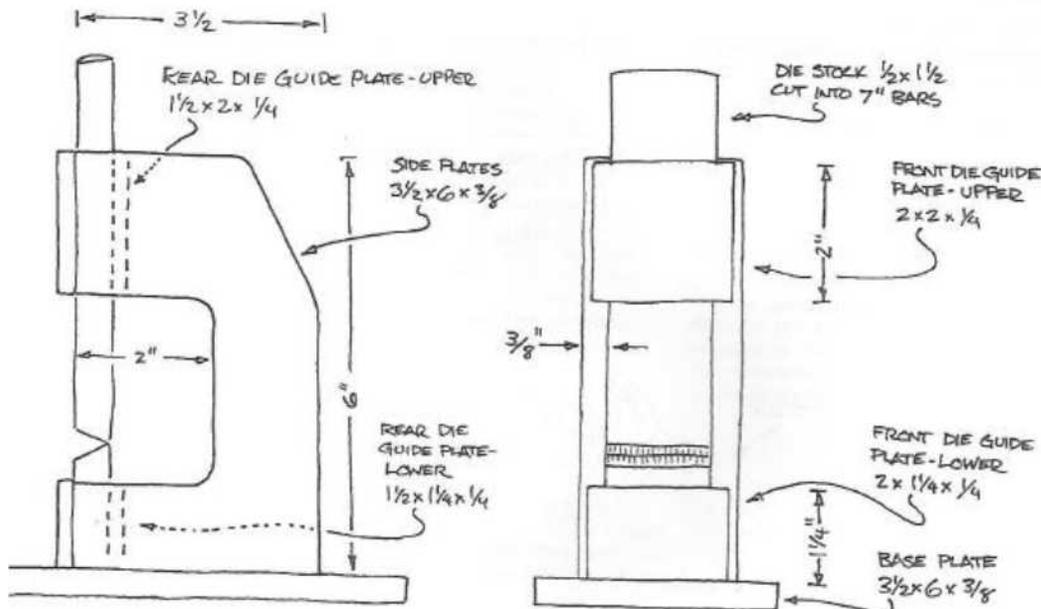
A Blacksmith's Helper

Here's my design for a Blacksmith's Helper. Basically, it's a frame to hold standard 1 1/2" x 1/2" die blocks. I developed this design based on one that Lou Muller uses. Though Lou's design is a more accurate and finer tool, this design is considerably lighter, cheaper, and quicker to make. (See The Blacksmith's Journal, #98)

Whatever you do, remember to start with the die stock and build the holder around it. You can use tool steel for the dies, but I've been using plain old hot rolled for a couple of years, and the results are quite satisfactory.

A cheap harbor freight drill press vise was used to hold the parts together while welding. I wrapped the dies with two layers of newspaper before welding the pieces together, and had to drive out the die blank with a hammer. Still, most of the holders that I built had anywhere from 1/32" to 1/16" wobble. This could be reduced somewhat by using cold rolled steel for the dies and backing plates, but if you need super accuracy, you'll probably need to machine the guide and use bolts and shim stock to assemble it. This design doesn't allow for any of these refinements. It's designed to get the job done with a minimum of fussing around.

I built several of these to take to the Madison conference for the tailgate sales. Uri Hofi noticed them and said "Is good tool. It will break... here... (the upper weld that guides the forward part of the die) but is good tool." He also said, "I give you tip. I make a lot of leaves with serrated edges... like rose leaf. Take a bolt, weld to the top edge and the bottom edge of die, it will make serrated edges in one hit. In Israel, we have split dies. (I've seen antique two piece threading dies... I believe this is what he was referring to) I use them. You don't have this in America. Is good tool for this."



Appalachian Area Chapter Newsletter

July/August, 1999

Page 12

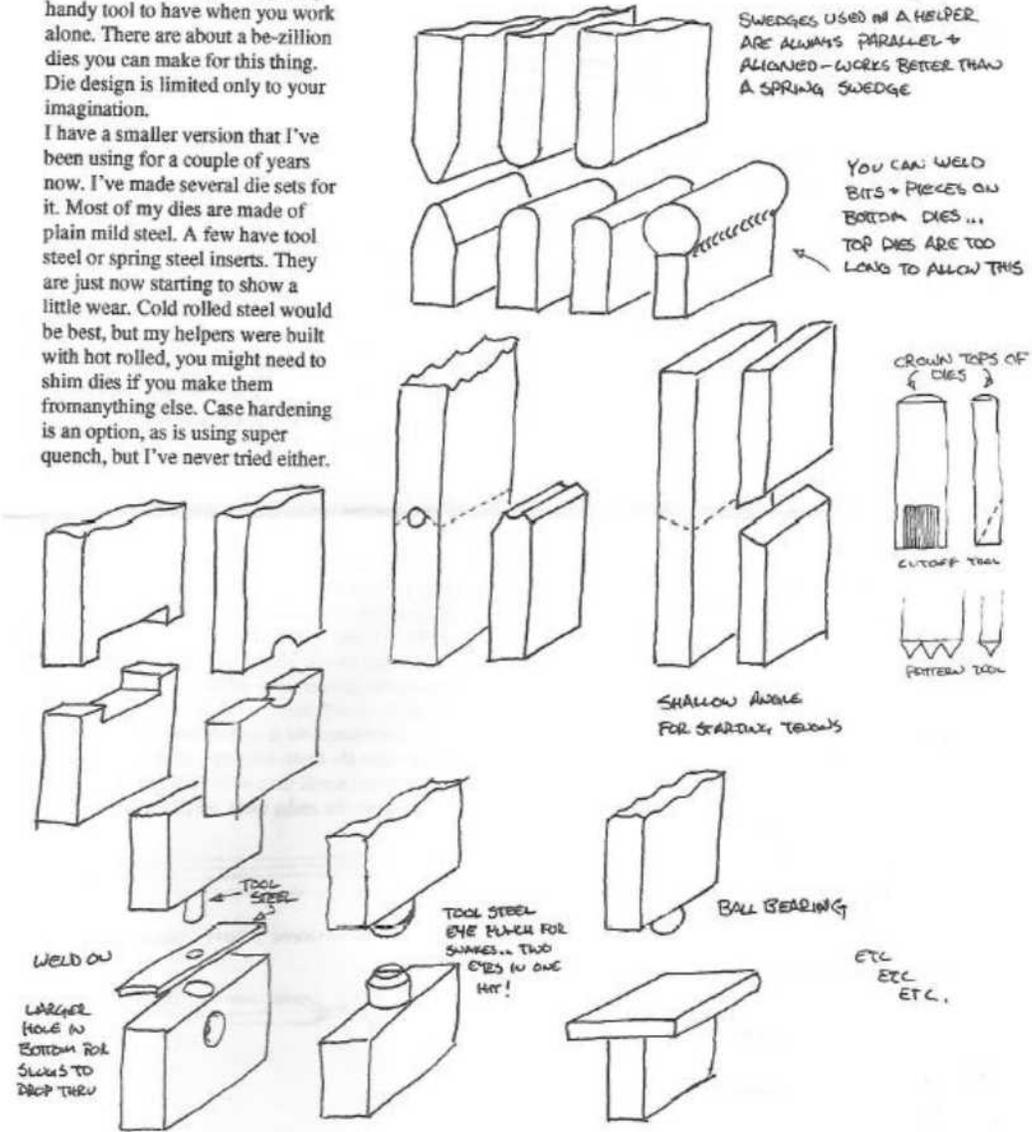
Prairie Blacksmith Association Newsletter November-December 2020

A Blacksmith's Helper- continued

Dies For The Helper

A Blacksmith's Helper is a really handy tool to have when you work alone. There are about a be-zillion dies you can make for this thing. Die design is limited only to your imagination.

I have a smaller version that I've been using for a couple of years now. I've made several die sets for it. Most of my dies are made of plain mild steel. A few have tool steel or spring steel inserts. They are just now starting to show a little wear. Cold rolled steel would be best, but my helpers were built with hot rolled, you might need to shim dies if you make them from anything else. Case hardening is an option, as is using super quench, but I've never tried either.



Note the tip from Uri Hofi on page 12 about welding bolts on the edges of the dies to make serrated edges for things like leaves.

High Energy Learning at High Altitude with Gordon Williams: 3 Days at Zion Mountain Blacksmith Shop

Mark Jackson

Zion Mountain Blacksmith Shop (ZMB) is located at elevation of 6,500' on the side of a mountain just East of Zion National Park, Utah. Well known to many blacksmiths around the country, I was first exposed to Gordon's talent at the AABA July 15th demonstration in Flagstaff. I stayed for the Sunday workshop and found Gordon intuitive enough for me to contact ZMB for a class schedule the following week. Fortunately for me, space was available for the July 29, 30 and 31st class. Gordon starts at 7 am each day, and he ends when you can't stand or swing a hammer anymore. After a quick 6 hour drive from Cave Creek, AZ, I was greeted by two dogs, Asher and Topsy, along with the shop cat, Butterscotch, and the ZMB proprietor, Gordon Williams.

Accommodations are available just few miles down the road at two local resorts in Mt Carmel, Utah. I chose to bunk on the property in a unique relocated and repurposed 18' diameter metal grain bin, just like those we've all driven by hundreds of times. The grain bin suite was tall enough for Gordon to build a $\frac{3}{4}$ bath with a loft complete with mattress above.

Day 1: 8 AM start with an introduction to the proper use of Hammer, Anvil and Forge followed with a discussion about the inherent risks and safe use of each tool. The class is set up, starts with a first day project making a three hook key rack. Every student crafted the key rack with fundamental forging techniques including fullering, tapering, texturing, bending and riveting using the hammer, anvil, forge, jigs and a power hammer! Gordon made endless rounds throughout the day critiquing and schooling each student's individual skills (or lack of them in my case), presenting different options for achieving efficient and aesthetically pleasing results. Gordon spent a lot of time on the necessity of "Hammer Control" and the use of the different parts of the anvil have on the piece when struck. Obvious, but often underappreciated, is readying oneself for the coming heat. The concept to have hammer in hand, tools placed and ready in anticipation of the next heat and the desired outcome is taught, and it is now a fundamental for me. As they say, "Strike while the iron is hot."

With all students successfully completing the day's assigned project at arounds 5 pm, the routine the following day was discussed. Sort of a project of your choice day, left up to the student to explore. Options included; axe, hooks, animal heads, tools, etc. That evening inside the grain bin I sketched up what I would pursue on Day 2.

Day 2: Gordon starts his day 4 am early, and I am awakened at 6 am to the distant sound of a 33 lb. Anyang Power Hammer. The term, "high energy" is often applied to Gordon. He once rode a bicycle from Fairbanks, AK to the Grand Canyon in 45 days. Gordon carries that energy and enthusiasm through each day with ease.

The boys from Idaho, Connor and McGregor, said Gordon reminded them of a person they knew at home and asked Gordon if they could refer to him as GW. That stuck for the remainder of class. These two young men were tough. They were both state caliber wrestlers in school. They stayed at it all day forging, swinging hammers, bending, and learning.

Connor, the oldest guy, was once bit in both legs by a rattle snake, and doctor sent him home with some Benadryl! The other lost half his foot in a lawn mower accident when he was four. We never knew until he joked about it at the end of day 3 when he turned is boot 180 degrees.

Well before the scheduled 7 AM class' muster, my energy and sketch in hand, I made my way across the road from the Grain Bin to the ZMS shop. My interest gravitates towards organics, and I chose to make a wine rack incorporating some textured vines, grapes, and some grape leaves. While Connor and McGregor went on to make fire place poker, I went on to start the wine rack. 7 elements were involved in Wine Rack; 3 grape leaves, 3 bottle holders and a single vine. Starting with three grape leaves, they were shaped, textured and veined using the cross peen hammer and a veining tool I had made prior to class (tool based on a GW design). The next elements to be crafted were the 3 bottle holders and the single vine using forge, power hammer and texturing dies. After all the individual elements were finished, assembly began and one three-bottle wine rack took shape. Techniques and tools used included scrolling using only the forge and

wise, drawing out and texturing vines with the power hammer and texturing dies, and veining leaves with hot cut and top tools.

Day 3: As a beginner smith (I purchased my first anvil from Ron Kinyon not quite 2 years ago.), I chose to make leaves for three hours in the morning to practice hammer control. I need all the practice I can get. It was good to have a GW pointing out the wrong moves I was making and correcting me as I went. Next project was making a log to mount my entry for the May 2022 AABA “mushrooms challenge” project on. Using a 5” x 15” piece of 10 Ga. sheet metal, plasma cutter, forge and power hammer with texturing dies, a couple of sizes of ball punches, along with some GW oversight, a log appeared.

My final project on day 3 was a sunflower incorporating 5 elements; sunflower, pestle, 2 leaves and the stem. Starting with the rosette and leaves cut from 12 gauge sheet metal, I shaped the flower and leaves with the forge, cross peen and a hot cut chisel. The stem was drawn out, tapered and textured on the power hammer. The pestle was shaped from 3/8” round upset (using induction forge) and then patterned with the hot chisel. Parts were then cleaned prior to assembling with spot welds, forged again, retextured to blend and finished with a brass brush.

I thoroughly enjoyed the entire ZMB experience. Meeting the other young smiths, learning, seeing and using a myriad of tools, sharing stories, quiet evenings and mornings, and enjoying the learning experience, All this while staying in the very comfortable grain bin. Looking forward to another class at Zion Mountain Blacksmith Shop.



Interesting Web Link

Scrolling Basics with Beth Holmberg.

<https://www.youtube.com/watch?v=7cgzFPIxTF0>

About 48 minutes

An instructional video recorded from a Zoom class presented by Blacksmiths Without Borders. This video, by an experienced and talented blacksmith, contains a wealth of information on basic scrolling. Questions from the Zoom audience begin about halfway through the video

Winterfest V Registration Form

Two ways to register:

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

Winterfest IV Jan 19-21, 2023						Price Ea	Qty	Total	
Full Conference Fee*						\$130			
1-Day Conference Fee (T-Shirt is extra)						\$65			
Blacksmith Student Day Fee (T-Shirt is extra)						\$20			
*T-Shirt Size	S	M	L	XL	2XL	Included			
T-Shirt Qty						\$0			
Sat Meal - Price includes Gratuity % soda or water.									
Sat Meal Choice	Beef		Chicken		Vegetarian		Price Ea	Qty	Total
Menu Choice Qty							\$25		
RV Site # Nights - Limited Quantity							\$15		
RV Owner Name				License #, State			Total		
Name				email					
Street Address				City	State	Zip Code	Phone		
Will you submit a gallery entry?				Yes	No				
AABA does not have the facilities to ship entries. AABA cannot accept liability for gallery entries.									
Display Card Title:									
Height:	Length:	Width	Will your entry require a pedestal Y / N?						
<p>Each Person is required to sign an Acknowledgement and Assumption of Risk in order to be admitted to the Winterfest 2023 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 2023 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 including safety glasses and remaining a safe distance from all dangerous activities. I agree to hold the Arizona Artist Blacksmith Association (AABA), Pima County and its districts, members or employees of AABA and Sculpture Tucson, and any others involved in the Winterfest 2023 Conference harmless from liability and expenses arising from my own actions or omissions. I agree that my admission to the Winterfest 2023 Conference constitutes agreement with this Acknowledgment and Acceptance by signing this form or registering online. Furthermore, I accept the following cancellation policy and agree to be bound by its terms. I understand there are no refunds except in cases of significant financial hardship. Any request for a refund MUST be submitted in writing (or email) to AABA postmarked (or emailed) by December 19, 2023 with the reason clearly identified. Refund requests will be reviewed for eligibility on a case-by-case basis. Additionally, I agree to abide by and follow at all times, the mask requirements, if any, imposed by Pima County for the prevention of the spread of COVID-19. AABA does not have the facilities to ship entries. AABA cannot accept liability for gallery entries.</p>									

Signed: _____ Date: _____



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.

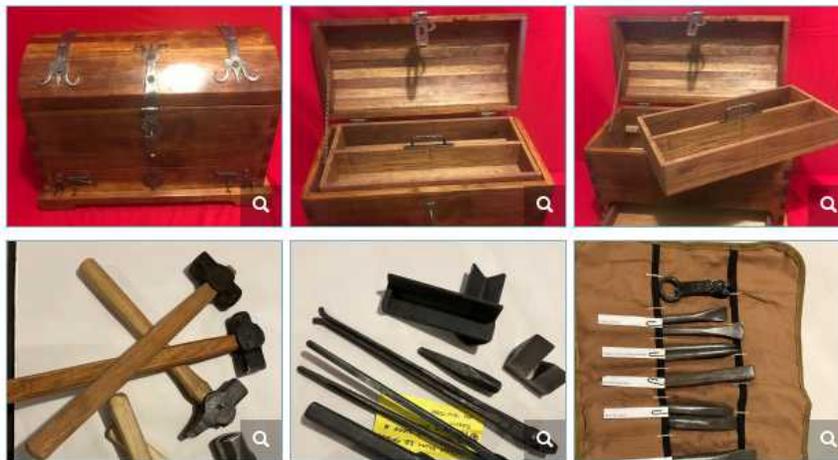
At the heart of this revival has been the Artist-Blacksmith's Association of North America, Inc., a non-profit educational association dedicated to the dissemination of knowledge about the art and craft. Started by a handful of isolated blacksmiths in Georgia in 1973, ABANA now serves nearly 4,000 members.

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.

Raffle for BAM Box #70.

Tickets are \$5.00 each, and are available at: <https://abana.org/#!/form/BAMBox>

The drawing will be held on November 4, 2022.



This is your chance to win ABANA's 2022 BAM Box #70 made by Pat McCarty (with contents donated by various artist-blacksmiths). All you need to do is purchase a ticket (or few!) and your name will be added to our spreadsheet; the other part of the ticket stub will be mailed back to you. Then on November 4th we will hold the drawing at our annual board meeting in Johnstown and randomly select the Grand Prize Winner!

Note: Winner responsible for shipping costs to their location.

The Johnstown Festival 2023 is coming up. Details as they become available.
(ABANA has a new, more functional web site under construction.)

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..

Will buy your unwanted blacksmith or horseshoeing tools and supplies.

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

For Sale

Milwaukee Portable Band Saw model, 6225 with table. Needs referb. \$80

Shop-built Kinyon-style vice, no spring, 3 sets of jaws. \$125.

Wand for an induction forge. \$150.

4 1/2" Bosch angle grinder w/ paddle switch. \$20.

Milwaukee 14 ga. shear, model 6815, with chipped tooth. \$20

Maurice Hamburger, **602-538-7905** or hiron@cox.net

Bituminous Coal from the King Coal Mine in Colorado.

Burns great! \$30 for 50 pounds Pick up near Tanque Verde and Houghton in Tucson.

Casey Abbs, **520-869-8778**

For Sale

Swage Block. 160 lb. in excellent shape. Never been outside. \$450.

Post Vice. Good jaws, mounted on a steel base. \$200.

Larry Dorrell, **928-925-7091**

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
52196 W. Quail Run Rd.
Maricopa, AZ 85139
602-672-7085

www.arrowzonastoneworks.com

Gas Forge Building Workshop

Richard Rozinski is offering gas forge building workshops in his shop in Gilbert. Two person minimum. Call Rich 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**

FORGE-APRONS
Blacksmith aprons that fit you and your needs

Seven styles you can custom-size, personalize & customize

Offering blacksmith related gifts and apparel too!

www.FORGE-APRONS.com

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

Interesting Web Link

The Story of Coal

<https://www.loc.gov/item/91790930>

About 33 minutes

A silent moving made in 1920. It shows the many processes involved in the mining of coal including operations above and below ground.

It's not a blacksmith how-to video, but, as a blacksmith who likes to use coal, I found it fascinating. It does include clips of blacksmiths in the mine shop sharpening bits for coal cutting machines. - Editor

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
www.barubar.com

IMS
Full service supplier of steel, stainless, brass, aluminum, copper. Discounts for AABA members. (See details on pg. 18.)
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520-441-5900

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Camp Verde, AZ, 928-554-0700
and
28255 N Tatum Blvd. Suite 1
Cave Creek, AZ, 480-626-0924
www.piehtoolco.com

Say-Mak Power Hammers
Helmut Hillenkamp
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Santa Fe, NM 87507
www.saymakhammers.com

Southern Arizona Farrier Supply
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Tucson, AZ 85710
520-751-1443
www.southernarizonafarriersupply.com

Vern Lewis Welding Supply
Discount pricing for AABA members. Various locations in the Phoenix area.
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Dan, 602-316-4140, for tech support.

Superior Steel Stamp Co.
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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Makers
www.stampyours.com
For either, contact
Sales@superiorsteelstamp.com

Tire Hammer Plans by Clay Spencer.
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: 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 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: Terry Porter
2310 E. Melrose St.
Gilbert, AZ 85297

Make Check Payable to AABA

Arizona Artist Blacksmith Association
Attn: Bill Ganoe
P.O. Box 40233
Tucson, AZ 85717
Address Service Requested

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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



*ABA National Curriculum class in Jerome, Arizona
October 10-14
Taught by Mark Aspery*