

# *The Anvil's Horn*

A Publication of the Arizona Artist Blacksmith Association

Issue No. 195 November 2018



*One-piece hummingbird made by Tom Willoughby. This was the subject of the workshop held after our September 2018 demo.*

# President's Message

What a great meeting we had in September! Tom Willoughby did a fantastic job and entertained everyone that was there. I heard that the workshop on Sunday was a success too. To top all of this off, we have a true legend coming to demonstrate in November. We have Wendel Broussard showing us his stake repousse techniques at Peter Sevin's shop. This is not a demo to miss!

I've been seeing some common things lately especially on social media. Someone will ask a question whether they should do A or B as their first project. Or they will ask if they should get this tool or that tool for their first one. Sometimes when we are starting out in something new, we over analyze to the point we never get started. Sometime you just need to start and figure it out as you go. You can watch videos over and over, but if you don't pick up a hammer you won't get anywhere. It's ok to fail and honestly you need to fail to progress. Accept that failure is part of the growth and enjoy it when it happens. If you look at these failures as stepping stones in your education, you can see where and how you can grow. Before long, you'll look back at your original work and see how far you've come. You can decrease this learning curve by seeking out a mentor or taking a class. Both will exponentially fast forward your abilities, but if you can't do either, just start with what you have.

Happy Forging!

*Jason LaBrash*

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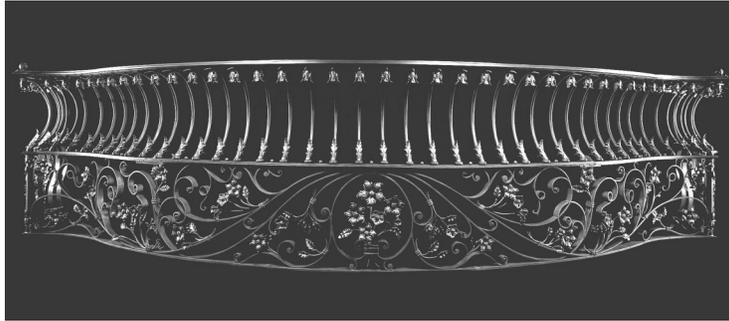
Material submitted for publication in the Anvil's Horn may be edited or rejected by the editor. Material submitted must be your own work, not plagiarized. By submitting material, you agree to allow AABA to edit, print, or post on the AABA website. You also give permission for the material to be reprinted 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 be obtained before publication. **Graphics.** High-contrast, high-resolution digital picture files and original drawings are preferred, but we can work with lower-contrast, lower-resolution graphics.

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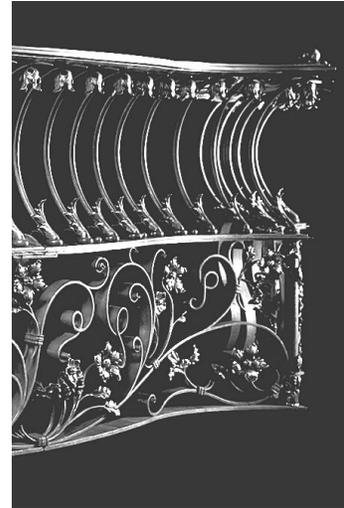
# Demonstration: Saturday, November 17, 2018

Peter Sevin's shop  
9234 N. 10th Dr., Phoenix, AZ

## Repoussé by Wendel Broussard



*Wendel Broussard did the repoussé on this balcony railing by Colby Brinkman.*



- Wendel will teach a three-day class on repoussé after our demo. Details on page 4.
- 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 places nearby.
- Bring things for Iron-In-the-Hat and Show-and-Tell.
  - Don't forget to put your name on anything you bring for Show-and-Tell.
- Tailgating is encouraged.
- Tailgaters, please consider donating to Iron in the Hat.

### Remember Iron in the Hat

Thanks to all of you who have participated in Iron in the Hat. By purchasing tickets and donating items, you help support AABA events and projects. Items for donation can be a tool, piece of art, something you made specifically for iron in the hat, something you don't need in your shop, a great book, a t-shirt, a hat ... something an AABA member would enjoy.

### Directions to Peter Sevin's Shop

9234 N. 10th Dr., Phoenix, AZ

I-17 to Dunlap

East on Dunlap to 7th Ave.

North on 7th Ave. to Hatcher

West on Hatcher to 10th Dr. (Drive, not Avenue)

South on 10th Dr. to 9234.

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

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

## Wendel Broussard, Our November Demonstrator

Wendel Broussard's metalworking career began with three years of shoeing show horses in Houston, Texas. Moving to California, he spent seven years making specialized shoes for harness racing horses.

He moved back to Houston in 1980. A side business of custom forged items by request began to overshadow horseshoeing. In 1981 he moved his family to Smithville, Texas and opened a metalsmithing business.

Interest in repousse' led to self-taught techniques that rose to a level that privileged him to attend and graduate from the repousse' school at Les Compagnon Du Devoir in Muizon France in 1991.

His talent for ornamental ironwork incorporating repousse' resulted in many jobs for public and private entities.

Wendel has demonstrated at numerous seminars across the country. Formal classes were taught at Austin Community college, Austin Texas, Penland School of Crafts and John C. Campbell, North Carolina. Various blacksmithing organization have also sponsored classes. Two ABANA conferences and Forging On The River in Memphis featured his skills. He was showcased on HGTV's series "Modern Masters".

The Broussard Metalsmithing Studio keeps him busy in Smithville, where he and his wife, Tina, still reside.

### Wendall Broussard, Architectural Repoussè class November 18-20, 2018, Sunday through Tuesday

This class will focus on three-dimensional repoussè and the organic imagery typically found in architectural iron work. We will cover the design process, tooling, including hammers, stakes, and forming media; the proper use of various gauges of ferrous and nonferrous sheet metal in relation to design development; Forming the metal cold and hot; and the installation of leaves and other elements on metalwork.

\$200 per person.

Call Steve Miller at at **602-989-6505** to register. We need a minimum of 6 students to offer the class. Registration will cut off at 9 students.



# **AABA Annual Meeting, Banquet, and Auction Sunday, December 2, 2018**

Fruit Packing Shed/Gallery at Sahuaro Ranch  
Glendale, AZ

**Check-in starts at 11:00 AM. Food service starts at noon  
The Annual Meeting and Auction start at 1:00 PM**

- **NOTE:** The location has been changed from the Maintenance Shed we have used in the past to the much nicer Fruit Packing Shed.
- The banquet will be catered this year.
- Meals of pulled pork, chicken, or a veggie option will be provided by AABA at no cost to you or your guests.
- To qualify for AABA-provided meals you must RSVP by Friday, November 23.  
Use the reply card in this issue, call Jason at 602-717-1459, or email [jason@grizzlyiron.com](mailto:jason@grizzlyiron.com)
- The annual meeting and the auction will be held after we eat.  
Vote for the AABA officers and board members using the ballot included in this issue.  
Return your ballot by November 23.  
Election results will be announced at the annual meeting.
- The event will be in the Fruit Packing Shed.

**We encourage you to bring a contribution for the auction, but you will be welcome without bringing anything.**

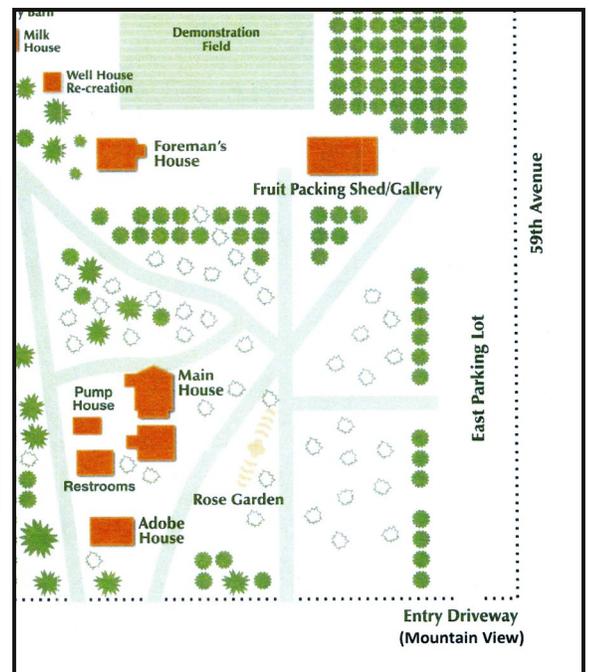
- You could make anything from a key chain or bottle opener to a table or mirror.
- Or you could bring extra tools or materials that you don't need.

Questions: Call Jason at 602-717-1459

## **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 on 59th Ave. to Mountain View Rd.
- West on Mountain View
- Take first right into the East Parking Lot.
- Walk from the parking lot to the Fruit Packing Shed.



## 2018 AABA Annual Auction/Banquet

This year the auction will be held on Sunday, December 2 at Saguaro Ranch. Registration will begin at 11:00 am with food being served at 12 noon and the auction starting at 1:00 pm. There will be no cost for registration or lunch. AABA will cover the costs. We will need a head count, so please mail the reply card in the middle of this newsletter or contact Jason to RSVP. His contact information is at the bottom of this page.

The location of the auction HAS CHANGED from previous years. It will still be at the Saguaro Ranch, but this time we will be in a much nicer facility, the Fruit Packing Shed. Although the name might make it seem like it is a storage room, we can assure you that it is nicer than the previous venue.

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 Scholarship fund. Blacksmiths can apply for a Read Carlock scholarship to help further their blacksmith and metalsmithing education. Items to be auctioned are contributed by AABA members and our demonstrators. Door prizes are contributed by vendors.

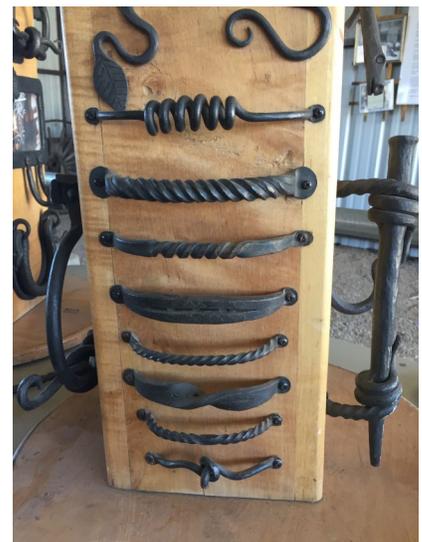
In recent years we've auctioned off items such as bottle openers, napkin rings, lamps, wall art, and even tables. You don't have to make a table to participate, but if you've got a project idea that you've always wanted to try, here's a great reason to make it. Maybe it's a centerpiece for a table, a unique door knocker, a bottle opener, or a garden bench. Every item donated, large or small, is welcome and appreciated. Craig Riggle, our professional 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 too.

Jason can be reached at 602-717-1459 or [jason@grizzlyiron.com](mailto:jason@grizzlyiron.com).



*A few ideas for things to make for the auction.*



# September Demo Report

Bill Ganoë

*(photos by Bill Ganoë unless noted otherwise)*

It was another great demonstration at the home of Bill and Karen Morris in Camp Verde on September 15. Over 60 members and other interested people gathered Saturday morning as our demonstrator, Tom Willoughby, took the stage - or the shop floor.

Tom took us through the steps to make one of his anvil vultures, but explaining each step here would take a lot of visuals, either photos or drawings, and explanations - more room than we have here. My advice: if you want to learn what a demonstrator has to teach, you need to attend the demonstration in person. (No, AABA doesn't have the equipment or the people to make *good* videos of the demonstrations.)

Tom did offer several useful tips that weren't always related directly to anvil vultures. For example, he suggested that good sources for texturing hammers are swap meets and yard sales. Buy up cheap (junk?) hammers when you find them, anneal the heads, and then cut your texturing patterns into them.

Another point that Tom talked about is called "Hogarth's line of beauty". (William Hogarth, an English painter and writer, described the concept in the 18th Century.) The principal is that people will look at an S-curve longer than they will look at a C-curve or a straight line.

Tom also pointed out that people will spend more time looking at an odd number of things than an even number. He explained that people are wired to look for pairs of objects. When they find a pair, they direct their attention elsewhere. With an odd number of things, they will keep searching for a pair.

These ideas could be very useful when designing pieces for an art show or craft fair.

Show and Tell: If your piece doesn't appear here, that means that either my photo didn't turn out well or you didn't put a tag on it with your name so you could get credit for making it.



*The fish stories got started early Saturday morning.*



*Iron in the Hat  
Lucky attendees took home a goot post vise,  
an almost-complete Hossfeld bender., and  
lots of other treasures*

## September Demo Report (cont.)



*An anvil vulture starts to take shape.*



*Show and Tell  
Cross for Gordon Williams' wedding by  
George Witzke*



*Show and Tell  
Wrought iron elements for a coral reef by  
Ira Wisenfeld*



*Pictures from Tom Willoughby's class on Sunday on making a hummingbird from a single piece of steel.*

**Mark your calendars! Save the dates!**  
**AABA WINTERFEST-II**



**PIMA COUNTY FAIRGROUNDS**  
**JAN. 24-26, 2019 TUCSON, AZ**



**CAMPING • FULL RV SITES • BANQUET • GALLERY • DEMONSTRATORS**  
**PEER COMPETITION • SILENT AUCTION • STUDENT REVIEW**

**DEMONSTRATORS**

**Peter Sevin • Patrick Quinn • Monica Coyne**  
**Rachel David • Mo Hamburger**



**WATCH OUR WEBSITE FOR DETAILS: [AZ BLACKSMITHS. ORG](http://AZBLACKSMITHS.ORG)**



## Calendar 2018

Nov. 17, 2018	Repoussè demo - Wendel Broussard	Peter Sevin's shop	Phoenix
Nov. 18-20, 2018	Repoussè class - Wendel Broussard	Peter Sevin's shop	Phoenix
Dec. 2, 2018	AABA Annual Banquet and Auction	Sahuaro Ranch	Glendale
Jan 24 - 26, 2019	Winterfest-II	Pima County Fairgrounds	Tucson

### Kevlar Gloves and Other Merchandise

If anybody has any special request for ordering specific garments to let me know, so that I can order them. I'm also 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](mailto:rozinski@cox.net). Put GLOVES in the subject line, and in the body of the email tell me how many pairs you want. As soon as I can get the total number of gloves for the order, I'll get a price to you.

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](http://www.mesacc.edu)

### Deadline for the January 2019 issue

December 1, 2018 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](mailto:editor@azblacksmiths.org)

or by regular mail to:

Bill Ganoe, PO Box 40233, Tucson, AZ 85717

### New Members

David Herald	Cottonwood, AZ
Rob Koehl	Cottonwood, AZ
Steven Donner	Mesa, AZ
Heather Nelson	Prescott, AZ
Brian Donahue	Sierra Vista, AZ
Tim Coppage	Tempe, AZ
Stephen Young	Tucson, AZ
John White	Tucson, AZ

### Classes at Pieh Tool Beginning/Intermediate Blacksmithing

• Beginning/Intermediate blacksmithing classes with Dylan Cook

October 12-14, 2018

November 30 - December 2, 2018

Registration is \$550.

Students will make several simple projects to take home.

• Knifemaking class with Master Bladesmith, Ray Rybar

November 2-4, 2018

Registration is \$550.00.

Students will make one knife.

(All 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](http://www.piehtoolco.com).

# AABA Website: [www.azblacksmiths.org](http://www.azblacksmiths.org)

## Open Forge: Tucson

Ken Webb will host the Open Forge on Saturday, November 3, 2018, from 9 AM to noon.

Ken's shop is at 425 E. Navajo Rd, Tucson. Go to the intersection of Ft. Lowell and 1st Ave, go one block north on 1st Ave., and turn west on Navajo. Ken's shop is about 1 1/2 blocks west of 1st Ave. on the north side of the street. Call him at 520-488-6831 if you have trouble finding the place.

## 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 (November 14 and November 28). \$20 each night. Contact Rodger "Grizz" LaBrash at 602-716-9660 or [grizz@grizzlyiron.com](mailto: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.

## Open Forge: Desert Rat Forge (Phoenix area)

Paul Diefenderfer will host an open forge on Saturday, December 1, 2018 from 9 am to noon, followed by lunch (You gotta' buy your own.) at the world famous Big Earl's Greasy Eats in Cave Creek. Desert Rat Forge is at: 40218 N. 78th St. Cave Creek. 602-509-1543 or [dief@phoenixrockgym.com](mailto: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!

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

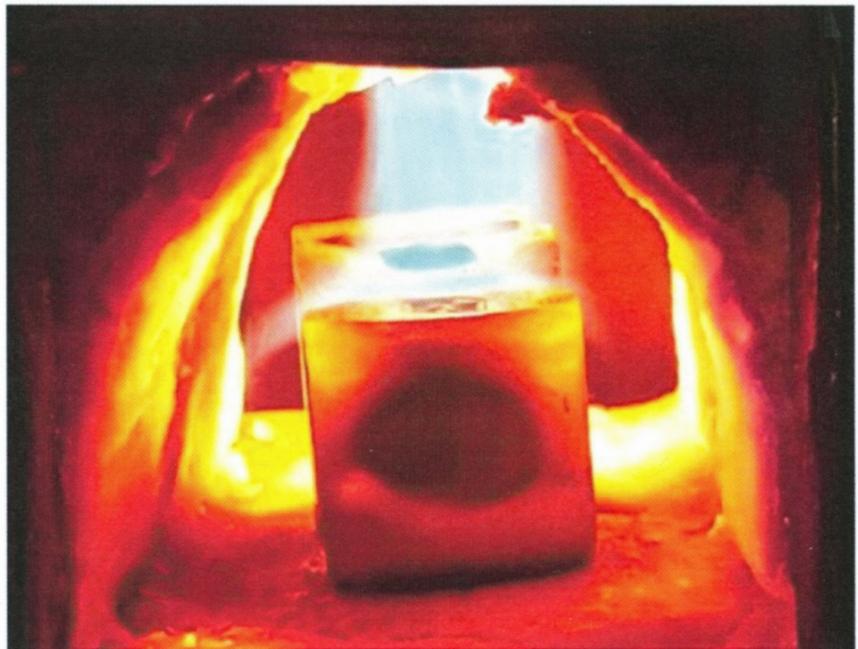
AABA New Member and Membership Renewal Form	
Name _____	
Address _____	<input type="checkbox"/> Do not publish
City _____ State _____ Zip _____	
Phone (home) _____ (mobile) _____	<input type="checkbox"/> Do not publish
Email _____	
Professional blacksmith _____ Hobbyist _____ Farrier _____ Blade smith _____	
Your main blacksmithing interest _____	
Occupation or skill _____	
Please check one:	Mail to: Terry Porter
Regular membership (\$35) _____	2310 E. Melrose St.
Family membership (\$40) _____	Gilbert, AZ 85297
<b>Make Check Payable to AABA</b>	

## Uniform Heating of Your Workpiece

“Just saw a GREAT picture of a bar of steel heating in the gas forge. I’m always telling my students to think about the bar like a “Jaw Breaker” with all its layers from the skin to the core. These layers need to be at an even temperature before forging after the initial heat. It needs time to soak in the heat but also, bring the bar out to allow it to cycle or cool to a black heat and placing it back in the forge. Cycling the steel this way lets the bar core remain and increase its heat while the outer layers cool. By replacing the steel right back in the forge and heating the outer layers to match the core prevents “Red Short” stress fractures when forging. Especially for stock greater than 1” in cross section. The bar is most malleable where ever it has the greatest heat so, if the outer layers are hotter than the core, you’ll cause separation and stress fractures between the core and outer layers when forging. This also is the case when working the steel too cold while the core is still at or near forging temperatures. This is why instructors often tell you to stop striking the steel at a black heat. That average temperature is 900°F when the bar loses its glowing heat.”

- Kelly Kring

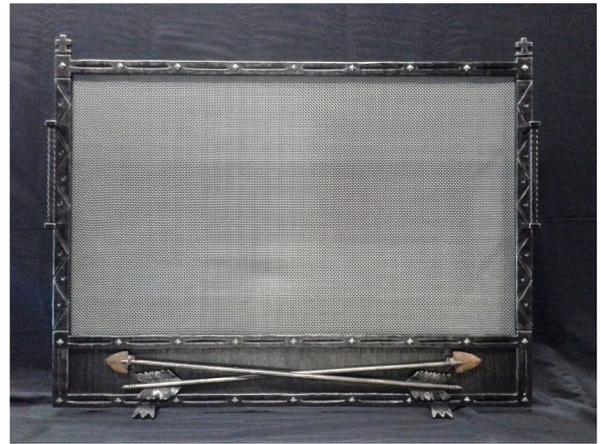
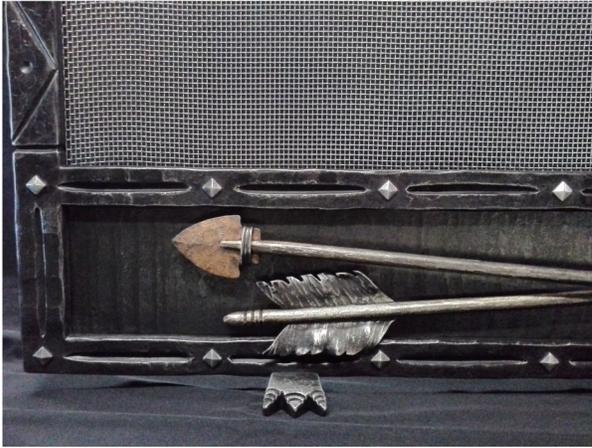
Photo Credit: Colin Fung



*Reprinted from Irons in the Fire, the newsletter of the Central Virginia Blacksmith Guild, July 2017*

# Members' Gallery

## Brian Hughes

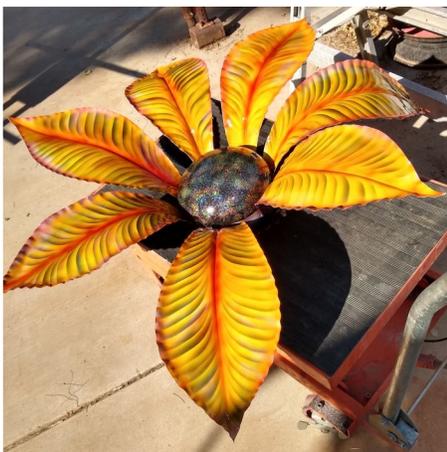


*Fire Screen*



## Harold Hilborn

*Fabricated and forged out of copper and steel.*



The Anvil's Horn

## Dan Jennings



November 2018

## Members' Gallery (cont.)



### Hammer To Fit

This spring I needed a new studio project. My wife, Judy, picked out two pieces of granite that I got a few years back from a discard pile. Our new table was underway.

Judy added one more challenge, "Can you make something without swirly things?" My personal challenge was to focus on traditional techniques. I was going to let my hammer do the work of tennons, rivets, upset ends, square corners and use minimal filing or grinding.

The results brought me a renewed respect for all the smiths who make furniture or railing pickets every day. As you could expect it took my unpracticed hammer a long time to pull off this project challenge.

The project is done, and I am glad my hammer accepted these challenges. The table was a hit with Judy. If there were a next time, I would buy new squared up granite pieces! The table is now a family heirloom.

Chris Contos, Prescott AZ



### Words of Wisdom ~ John McLellan

- ◆ An apprentice is someone who makes lots of mistakes.
- ◆ A journeyman is someone who knows how to fix them.
- ◆ A master makes it look like that was the plan all along.
  
- ◆ Learn the process first and become proficient. Then work on doing it faster.

*Reprinted from the newsletter of the California Blacksmith Association, September 2018*

## Some observations on the true cost of Insurance

Insurance is not something we think about very often, and if we do it is to complain about how expensive it is. I now have a different attitude towards insurance.

On March 28, my shop was destroyed by a fire. Luckily, I was insured, unfortunately, not for enough. I thought I had done a good job assessing my risk and exposure to a catastrophe. I had made a critical error in my judgment.

My shop was located in a 150 year old dairy barn. Some described it as with a lot of character, less kindly it was ratty old barn, that was only standing because of habit. However, it was a great place for my business and it is where I made my living for the last 18 years. After the fire, I was relieved to confirm that I had insurance. There was a dollar amount limit for the building and also for the contents. At the time that I determined these numbers I thought I was making a more than reasonable assessment. This is where I made my mistake.

This old barn, which added no value to the assessed value of my property, was not going to be replaced by another old, ratty barn. It has to now be replaced with a new, modern, and up to code commercial structure. To build this building it will cost closer to 50% more than I have coming from insurance. In my thinking about rebuilding, I imagined some time in the future when I might be done with blacksmithing and replacing the barn with a two car garage. The fire came 3 months after I had renewed my policy. The time is today for me to be dealing with this and the reality is far different than what I had ever considered.

The second issue is the contents of my building, my tools and equipment. I was covered for what I considered a lot of money, but it turns out it is not enough to replace what was lost. Here are two examples.

I had an old, used, Kalamazoo band saw that I bought for \$1200. I decided that to replace it might cost as much as \$2000 so that is what I used when I was compiling my potential loss. What I did not consider was that I had spent 5 years waiting for this good deal to present itself. I need to buy one today and I may not be able to find such a good deal. Again, remember, if I want to get back to work I have to buy everything today, so I may end up buying a new one for closer to \$4000, twice what I had budgeted.

A second example is a CNC Plasma Table that is crucial to my business. I bought this, 2 years ago, for \$7500. I called the company last week and that machine is now \$20,000. It turns out, I got such a good price on the original machine because they were about to discontinue the line and were switching over to the more expensive system. Again, I did not plan for this contingency.

The lesson is that I needed to think much harder about what I had and what it would take to replace it. This is challenging and requires a lot of research.

I now consider all of the money that I have spent on insurance a really good investment. It is very hard to imagine your needs before a crisis and that is exactly what I will be doing when I renew my policy.

One thing I forgot to mention, I had 35 years of shop notes. About 15 years ago I had scanned some of them. I have not done it again since so I am missing and having to recreate all of the little notes to myself about how I make my current product line. Note to self, it is easier to backup then to remember what you don't know you have forgotten.

Steven Bronstein  
Blackthorne Forge  
Marshfield, VT 05658  
[steve@blackthorneforge.com](mailto:steve@blackthorneforge.com)

## Classes at AABA Members' Shops

### Grizzly Iron

1329 W. Lincoln St., Phoenix, AZ

#### Workshop with Jay Burnham Kidwell

When: November 10-11, 2018

Price : 2 Days \$350 1 Day \$225

Spend the weekend working with one of the greats in metalworking. Saturday will be spent learning about inlay techniques. Tools will be supplied and you will go home with your own set made by Jay. Sunday will be spent learning how to make open dies for stamping. This could be used for coining or making "impression dies".

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

### Yuma, AZ

#### Beginners Introduction to Blacksmithing

Jim Schremp is developing a blacksmithing class to teach Syrian refugees living in Jordan and Jordanian poor to learn a skill and provide for their families. He will be offering blacksmithing classes in Yuma to help develop those classes to be taught in Jordan. The classes in Yuma will start on Nov. 3, 2018, in the back lot of Grace Bible Fellowship, 300 S. 4th Ave., Yuma, AZ. Class is from 9:00 a.m. till 1:00 p.m. on Saturday. There is no charge, but donations to cover the cost of fuel and materials are welcome.

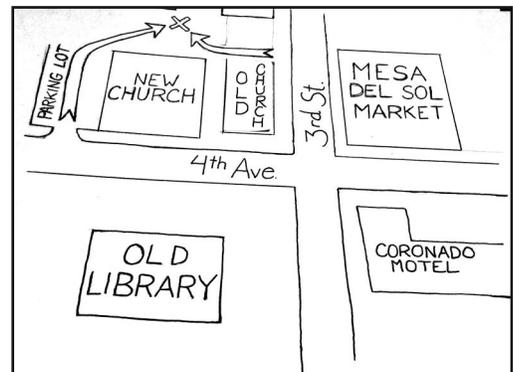
Personal Protective Equipment (P.P.E.) is required

- Safety glasses, tinted or clear (ANSI Z87 stamped on inner arm)
- Cotton shirt
- Long cotton pants (blue jeans work great)
- Leather gloves
- Leather shoes (no sandals or cloth shoes)

I will have gloves and safety glasses for those who don't have them.

People with disabilities are encouraged to attend and will participate in designing a curriculum to help people in Jordan.

For questions please call Jim Schremp at (928) 920-2798





# 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](http://www.abana.org) and like us on Facebook and Twitter. Join or renew your membership at: [www.abana.org/membership](http://www.abana.org/membership)

Blacksmithing, the cornerstone of all crafts for centuries, has come back to life. Once rendered nearly obsolete by the Industrial Revolution and 20th Century technology, this ancient craft has undergone a contemporary renaissance. A new appreciation of the honest, enduring qualities of forged metal has developed.

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

As part of your Membership Benefits you will receive 4 issues of the Anvil's Ring and 4 issues of the Hammer's Blow Magazine each year you are a member. These magazines can not be subscribed separately but are only received by our members. We have recently added a youth membership at a reduced rate, this membership available to those 18 or under includes a subscription to only the Hammer's Blow magazine.

## ABANA New and Renewed Membership Form:

Name: \_\_\_\_\_ Membership ID# \_\_\_\_\_  
for renewals, if known. (Not required)

Street: \_\_\_\_\_ City: \_\_\_\_\_ State/Prov: \_\_\_\_\_

Zip/PC: \_\_\_\_\_ Country: \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_ Website: \_\_\_\_\_

New

Renewal    Type \_\_\_\_\_ Amount \$ \_\_\_\_\_

Card Number \_\_\_\_\_ Exp. Date \_\_\_\_\_ CVVS \_\_\_\_\_

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

### Membership Rates

Type	1 yr	2 yr
<b>Regular</b>	<b>55.00</b>	<b>105.00</b>
Senior	50.00	95.00
Foreign	65.00	125.00
Student(Full Time)	45.00	85.00

Youth (18 and Under) 20.00  
(Hammer's Blow Only - Non Voting Member)

Contributory 150.00 and UP  
Educational Institute 250.00

**ABANA Affiliate:** \_\_\_\_\_  
Credit card orders can be faxed, be sure to sign this form. Fax: 423-913-1023  
Mail to: ABANA, 259 Muddy Fork Rd, Jonesborough, TN 37659 USA  
(Please pay by Check, U.S. Money Order or Credit Card)  
Phone: 423-913-1022 or join online at [www.abana.org](http://www.abana.org)

*The Arizona Artist Blacksmith Association is an affiliate of the Artist-Blacksmith Association of North America.*

# Classifieds

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

**Will buy your unwanted** blacksmith or horseshoeing tools and supplies.

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

**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**

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

**Bulk Coal Order**

Dragonforge Ironworks is considering another bulk coal order from the King Coal Mine in Colorado. Last time we got 25 tons of really good forging coal. If interested please email Michael Sobrado at [dragonforge1@cox.net](mailto: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.

**Wanted to Buy: Acorn Table**

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

**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](mailto: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.

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

# Classifieds

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

## For Sale

- 1 each Nazel 2b forging hammer, complete with motor, oiler, and dies. \$15,000.00
- 1 each Acorn platens 5ft. X 5ft. \$2,250.00
- 1 each portable shop coal forge 3 1/2 ft. X 3 1/2 ft. with hood, and mounted on a skid. \$475.00.
- 1 each single phase Miller 300 amp tig/stick welding machine with foot control, tig torch, stick leads. No bottle or flow meter. \$650.00
- 1 each single phase P&H tig/stick welding machine, with foot control. No leads. No flow meter, No bottle, just the power source, and the foot control. \$350.00

- 1 each 7 1/2 hp. gas drive air compressor with 10-gallon tank, on wheels, with regulator. \$400.00.
- 1 each Cincinnati/Greeves horizontal/vertical milling machine, with 10 inch X 54-inch table, and some tooling. The table has power all directions. 3 phase. \$1,850.00.

Included in the price of each item is loading onto your truck/ trailer.

I can possibly make local curb side deliveries for an additional fee.

All these items are located in Goodyear Arizona.

I can be reached at [jaegermax@msn.com](mailto:jaegermax@msn.com)

## 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](http://www.arrowzonastoneworks.com)

## 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](mailto:barubarranch@gmail.com)  
[www.barubar.com](http://www.barubar.com)

### General Insulation

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

### IMS

Full service supplier of steel, stainless, brass, aluminum, copper. Discounts for AABA members. (See details on pg. 18.)  
5150 S. 48th St., Phoenix  
602-454-1500  
3757 E. Columbia St., Tucson  
520-441-5900

### Interstate Steel and Salvage

Specializing in Steel, Aluminum, Stainless Steel, Brass, Copper and some alloyed metals of all types, sizes and shapes. Cutting, Shearing and advanced Flow water jet cutting for all your project needs. Valley wide delivery. Let us quote your next large or small job!  
12129 W Peoria Ave, El Mirage  
602-944-2000

### Old Globe Reclaimed Wood Co.

Wrought iron.  
PO Box 42101, Plymouth, MN 55442  
715-718-4410 or 952-463-8392 (c)  
<http://www.oldglobewood.com>  
Discounts for ABANA members.

### Pieh Tool Company, Inc.

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

### Say-Mak Power Hammers

Helmut Hillenkamp  
2873A Industrial Rd.  
Santa Fe, NM 87507  
[www.saymakhammers.com](http://www.saymakhammers.com)

### Superior Steel Stamp Co.

Specializes in manufacturing high quality precision marking dies and hand stamps for all yours needs, from leather to stainless, and all precious metals in between. Call for a free quote! 216-431-6460  
Superior Steel Stamp Co.  
3200 Lakeside Ave E,  
Cleveland OH, 44114  
<https://www.facebook.com/Stampyours>

### 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

### 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.

**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](mailto: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](mailto:trp555@prodigy.net)