

# *The Anvil's Horn*

A Publication of the Arizona Artist Blacksmith Association

Issue No. 199      July 2019



*Our May demonstrator, Brian Brown, and Adam Facinelli. Adam made that spur from a single piece of steel under Brian's direction during our May demonstration.*

# President's Message

Is summer finally here? I think we are all thankful it has taken its time to get here this year. We had some great weather at latest demo in May and a huge thank you to Ivan and Patricia Hill for being such gracious hosts. Pat put on a great lunch and it's always great visiting a different shop.

I hear we have a truly legendary smith coming to demonstrate for us in July. Fred Crist is an amazing artist and blacksmith and you will not want to miss this opportunity to meet and learn directly from him. Make sure to check out the info in this newsletter for all of the details.

Please be safe when you are forging this summer. Now that it's warming up, it's more important than ever to stay hydrated and take breaks when you need it. Also please be careful with any open flames. Be aware of your surroundings, such as dry brush or debris that can easily catch fire. Always be prepared with a fire extinguisher. Let's keep Arizona beautiful and all of us safe and healthy.

See you all in Flagstaff!

Keep on forging!

*Jason LaBrash*

## Contents

3	July Demo Announcement	12	Winterfest III announcement
4	July Demonstrator - Fredric Crist	13	Lost Duchman's Treasure Chest for Winterfest III
4	Map of the NAU campus	14	Members' Gallery David Bridenbaugh
5-6	May Demo Report	15-16	Quick Projects - Hook Ruler
7	Classes and Workshops at Member's Shops Grizzly Iron, Phoenix Desert Metal Craft, Tucson	17	ABANA information
7	Cool Tools for Your Vise (also 13 and 16)	17	ABANA 2020 information
8	Open House at SEEDs for Autism	18	Benefits of AABA Membership
9	Call to Artists - Tohono Chul, Tucson Dia De Los Muertos	18-19	Members' Ads and Sources
10-11	Calendar and other announcements	19	Pricing Your Work

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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.

*The Anvil's Horn* is printed by Sundance Press, Tucson, AZ  
*The Anvil's Horn* is created with Scribus 1.4.7

## **Demonstration: Saturday, July 20, 2019**

Sculpture Studio, Northern Arizona University  
Flagstaff, Arizona

### **Demonstrator: Fredric Crist**

Fred will do a hot cut sculpture out of 4"x 1/2" plate 6 feet long using a portable bandsaw to cut the piece to size. The morning will be spent doing the heavy work and the afternoon will be devoted to the fun part.



- Registration begins at 8:00 AM, the demonstration starts at 9:00 AM.
- Registration fee:
  - \$15 for members
  - \$20 for non-members
- Lunch will be on your own. There are several good eating places near the NAU campus.
- Tailgating is encouraged. Tailgaters, please consider donating to Iron-in-the-Hat.
- 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.

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

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

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

#### **Directions to the NAU Sculpture Studio** Flagstaff, AZ

- North on I-17
- Exit McConnell Dr (First exit north of I-40)
- Turn right on McConnell Dr
- Turn right on Pine Knoll Dr
- Turn right into Parking Lot for Facility Services (Marked "Parking" at the east side of the map on page 4)
- The Sculpture Studio is building 84 (black arrow) on the map on page 4.



## Our July Demonstrator: Fredric Crist

Forging metal has always been my choice of material and process as a sculptor. I was first introduced to this direct manipulation of metal as a student at Philadelphia College of Art (now the University of the Arts) in 1974. I was captivated by its potential as a sculptural medium. Upon graduation with a BFA in sculpture, I began working at Samuel Yellin Metalworkers in Philadelphia in 1977. This studio, renowned for its excellence in hand forged metalworks dating back to 1906, was my training ground for the next eleven years. I began as an apprentice and worked my way up to Master Smith and head of the forging dept. While at the Yellin studios, I assisted and led on many major projects and commissions, including a gate and railing for the Washington Cathedral in DC; a display case for the Book of Kells at the University of Pittsburgh.

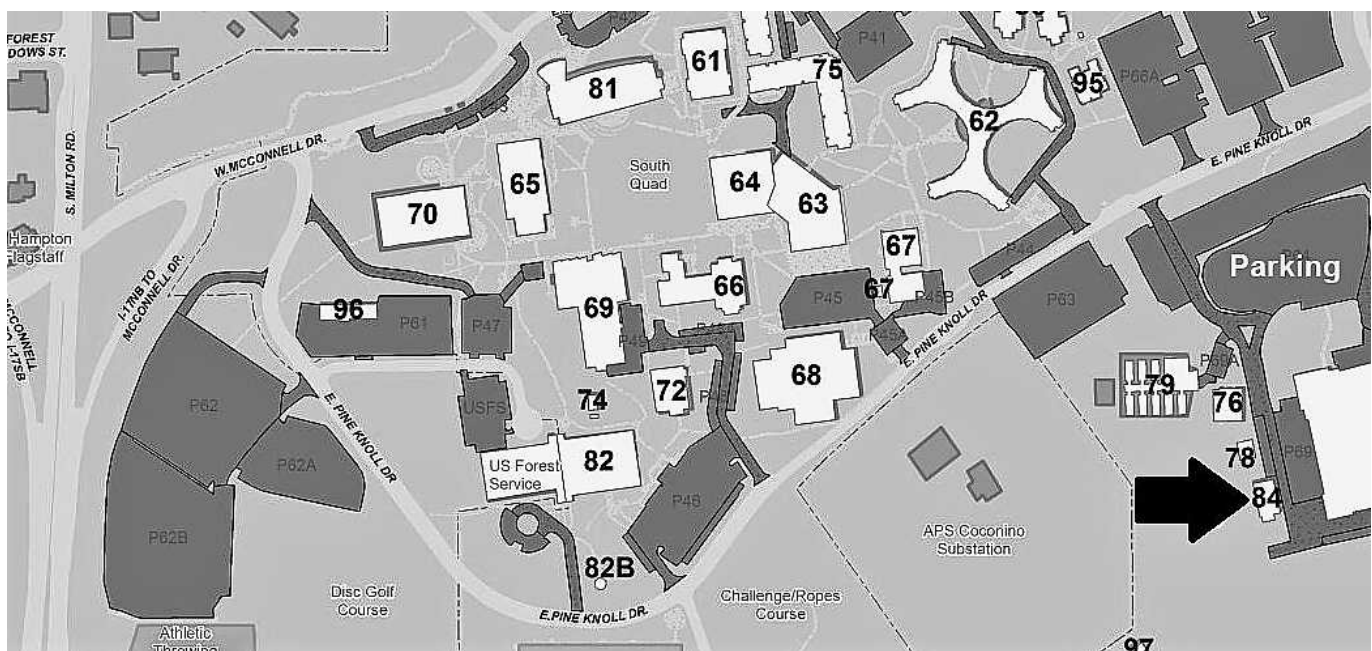
After 11 years at the Yellin Studios, I moved to Virginia to set up a studio with my business partner David Munn. Over the next 18 years we completed numerous commissions for private and corporate entities. In 1999-2000 I received a Virginia Museum Fellowship in Sculpture. During that time I spent a week at Rose Industries an industrial forge shop in Cleveland, Ohio, forging larger scale works. We received the Craftsmanship Award from the Virginia and West Virginia Chapters of the AIA (American Institute of Architects) for works in forged metals. Ongoing exhibitions at The Reynolds Gallery in Richmond Va. and Franz Bader Gallery in Washington DC continued the sculptural works and commissions. Some of which included Richmond Times Building in Richmond, Virginia; Norfolk Academy in Norfolk, Virginia.; John

and Robyn Horn Collection in Little Rock, Arkansas; John Allen Collection in Buchannon, West Virginia; and a new sculpture for Massey Cancer Center in Richmond, Virginia.

In 2007 I established a new independent studio to concentrate on more individual projects. In the past 10 years I have completed six major residential commissions, and I have had several exhibitions in the Richmond, VA and Washington, DC area. I traveled to Ukraine for an international blacksmithing conference to make a sculpture. I am presently working on a new series of sculpture for exhibition in 2019. I am also teaching, most recently at the Northeast Center for Crafts in Oregon, Touchstone Center for the Crafts in Farmington, PA, and at a workshop in Sacramento CA for the California Blacksmith Association. Recent Publications include a portfolio in The Metal Design International 2014; Beauty in the Shadows, Wrought Iron in the Washington Cathedral, by Nol Putnam; From Fire to Form, by Mathew S. Clarke; and Cast: Art and Objects Made Using Humanity's Most Transformation Process, by Jen Townsend.

I live in Charlottesville, Virginia, and my studio is located in an industrial complex in Waynesboro Virginia. My work covers everything from letter openers and small sculptures to gates, railings, and free standing sculpture. My sculptural direction consists of making abstract sculpture using traditional forging techniques and tools, applying the principles of Chaos Theory, formalizing the coincidental and emphasizing the conscious process behind seemingly random forms.

- Fredric Crist



# May Demo Report

Bill Ganoe  
(photos by Bill Ganoe)

We gathered at Ivan Hill's home in Peebles Valley on May 18th for our May demo. The weather was beautiful and the scenery was spectacular - whether you drove in from Prescott or Wickenburg.

Our demonstrator, Brian Brown, from Montana, demonstrated making spurs for horse riders. Brian makes spurs for professional riders, weekend cowboys, and folks who just want to show off. He'll make them as fancy or plain as you want.

Brian started off with a lot of background - historical and contemporary - on spurs.

One point that he emphasized was that many commercial spurs are kind of weak. Some may be made of 10-gauge steel. The problem is, if you fall and one, or both, of your spurs crumple, you could be hurt badly. Brian usually uses 3/16" steel for his spurs.

Spurs can be made from a single piece of steel or two pieces. They can be plain or highly ornamented. Ornamentation could include the owner's name, initials, or brand plus engraving, inlays, etc. One-piece spurs are usually stronger, but it is easier to add ornamentation to the shank of a two-piece spur. The band doesn't get in the way as you are working on the shank.

But then you have to attach the shank to the band. Welding the shank to the band can be a serious challenge. You have to get things hot enough to get good penetration under the shank, but too much heat can easily burn through the (usually) much thinner band.

When Brian makes a two-piece spur, he attaches the shank to the band with silver solder. Silver soldering results in a stronger joint, especially in this case, because the entire mating surface of the shank is fused with the band. Even with a good weld in this case, you still get only strip around the edge of the shank fused to the band.

Brian went into a lot of detail about how he does silver soldering (or brazing) and a lot of the things he has learned through experience. Brian uses an oxy-propane torch to do his brazing.

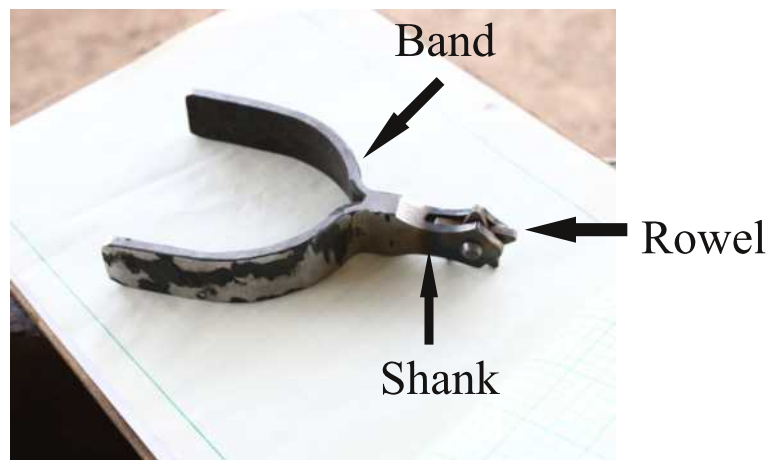
Note that brazing, whether forge brazing or torch brazing, is a legitimate technique for blacksmiths. It can be especially useful when trying to join many parts of different sizes that could get lost in the fire or damaged by hammer blows. As Brian pointed out (above) a brazed joint can be as strong as, or stronger, than a welded joint.

Brian pointed out that spurs, one-piece or two, can be made entirely with an anvil and a hand hammer, but the process can be a lot easier and quicker using custom-made tools and jigs. He showed and demonstrated his tools and jigs as part of our demo.

Lunch time came about mid-way through Brian's demonstration, and, with relatively limited options for meals in Peebles Valley and Yarnell, Ivan's wife, Pat, served up a great lunch of BBQ pulled pork, potato salad, chips, beans, and cookies.



*Ivan Hill's home in Peebles Valley, AZ*



*Major parts of a spur*



## May Demo Report (cont.)



*Brian used one of his shop-made forms for final shaping of a band for a two-piece spur.*



*Brian demonstrated one of his jigs for bending a strap for a two-piece spur.*



*The start of a one-piece spur. Brian allowed as how he cut the slot with a band saw.*



*Opening the slot to make the band for a one-piece spur*



*Shaping the band on the one-piece spur using Brian's shop-made form.*



*A few of the many kinds of rowels you can make or purchase commercially.*



*A couple of farrier's rasps with teeth flattened to be used as straps for a pair of spurs.*



*Bill Morris (back) and Bill Schlecht*



*Our hosts, Ivan and Pat Hill (plus a roving photo bomber)*

## Classes and Events at AABA Members' Shops

### Grizzly Iron

1329 W. Lincoln St., Phoenix, AZ

#### Damascus Knife Workshop

When:

Part 1 May 10, 2019

Part 2 – June 22-23, 2019

Price \$525

In this two part class you will learn how to forge a damascus billet and then forge that billet into a gorgeous knife, under the instruction of Rodger LaBrash.

Part 1: You will make a Damascus billet from 1095 & 15N20 and forge a ladder pattern into it.

Part 2: You'll forge the billet into a 4-5 inch blade, then you'll go through the processes of grinding, heat treating, and handling the knife. All materials will be provided.

\* This is an advanced class.

Both of these workshops are full at press time, but you may be able to get on a waiting list.

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>

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### Desert Metal Craft

544 E. 24th St., Tucson, AZ

"Desert Metal Craft is the only school in the southwest dedicated to teaching blacksmithing, bladesmithing and fabrication together with the modern science behind the craft of metalworking.

- Rich Greenwood

The schedule at Desert Metal Craft features a wide range of classes and workshops including

Blacksmithing for Beginners

Art Fabrication, Bladesmithin 100

Bladesmithing 200

Heat Treating Fundamentals

Handle Workshops

Sharpening Workshop

For more details on each class or workshop check out the website: <http://www.DesertMetalCraft.org>. Check that website frequently for changes or additions to the schedule.

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#### Cool Tools for your Vice

By Mark Teece



#### Holding round stock or pipe in a vice.

Helpful for working on pipe or round hand tools. Two pieces of angle iron welded to a third piece that rests on the jaws. The short piece of round stock stops the tool falling off the vice when you remove your work-piece.



*Reprinted from the Anvil's Chorus, newsletter of the  
iNew York State Designer Blacksmiths, Spring 2019*



# Open House at SEEDs for Autism

Mary Ann LaRoche

Four blacksmiths from the Phoenix area helped out at the Open House at SEEDs for Autism on Saturday May 4, 2019. Ron Wicklund, Luis Enriquez, Len Ledet and Dick Wright ran the blacksmithing demonstration. Members of the general public who attended the open house, as well participants in the programs provided by SEEDs, got to watch steel being forged for the first time. People asked lots of questions and some got a chance to try forging for the first time by making a cheese cutter or a necklace/key chain leaf.

Every year, SEEDs for Autism holds an Open House in May and December. The purpose is to encourage the community to visit the facility, meet the students, shop the quality products produced by the students, and have some fun. The event in May usually includes the opportunity for the public try their hands at some creative art projects. This year, SEEDs reached out to AABA to find people to come and help out in SEEDs blacksmithing department.

SEEDs for Autism is a 501c3 nonprofit located in Phoenix, Arizona. It was started by one of our very own AABA members, Mary Ann LaRoche, who founded the program to make a difference for her younger brother Paul and others like him who struggled with their autism. SEEDs was built to create a path for vocational training that would offer participants a connection to their community, helping them become more competent and confident, and

finding strengths they could build upon for successful lives.

What started in Mary Ann's back yard, now exists in over 11,000 square feet of classrooms and makers space. Students are learning how to be a part of creating fabulous home and garden products, using real tools. They are learning blacksmithing, welding, woodworking, ceramics, jewelry making, weaving, leather tooling, culinary, sewing, video production, graphics, marketing, customer service, and much more. Most importantly, they are finding their unique voices and exploring their potential to share their purpose. They are becoming leaders, friends, and expanding what they can do, instead of regressing into isolation. At SEEDs everyone is engaged, committed, and connected. Their products can be purchased online at their web site:

**[www.seedsforautism.org](http://www.seedsforautism.org)**,

and you can follow them on Facebook:

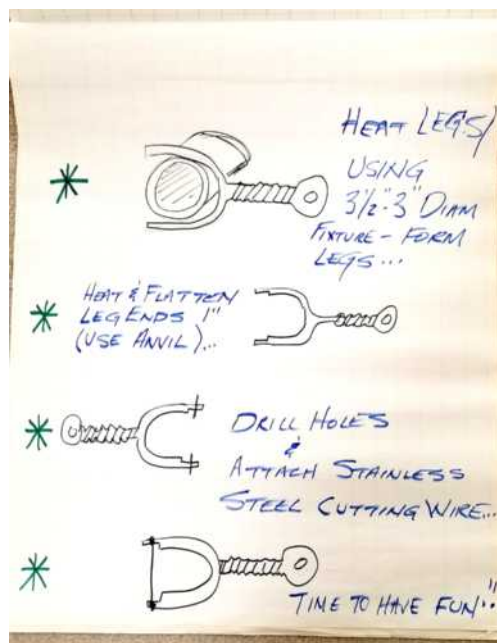
**[www.facebook.com/SEEDsforAutism](https://www.facebook.com/SEEDsforAutism)**

SEEDs invites their neighbors to connect and learn more about what they do, how they do it, and to experience the joy and satisfaction felt by being a part of the lives and achievements of these young people.

Volunteers are always welcome. AABA members Len Ledet and Dick Wright already volunteer weekly on Tuesday and Thursdays.



Ron Wicklund (left),  
Mary Ann LaRoche  
Luis Enriquez



"I made that cheese cutter!"



# Call to Artists



## DEADLINE

Monday, July 29



## DÍA DE LOS MUERTOS

Exhibition Dates:

August 30 - November 6

Opening Reception:

Thursday, September 5 | 5:30 - 8 p.m.

## DEADLINE

Monday, July 29

Entries due no later than 10 a.m. on Tuesday, July 30

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

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

Image (left to right):

**Patricia Silva:** Sonoran Amor | **Jennifer Eschedor:** Skull with Flowers |

**Stu Jenks:** Pamelas Babb Rocking Chair installation

[CLICK ON THE LINK BELOW TO VIEW THE COMPLETE PROSPECTUS FOR DÍA DE LOS MUERTOS](#)

[https://www.tohonochul.org/wp-content/uploads/2019/05/Día-de-los-Muertos-call-for-entries\\_2019.pdf](https://www.tohonochul.org/wp-content/uploads/2019/05/Día-de-los-Muertos-call-for-entries_2019.pdf)

OR

<https://tinyurl.com/y5atpbqv>

## Calendar 2019

Jul. 20, 2019	Fred Crist Demonstration	NAU Sculpture Studio	Flagstaff
Sep. 21, 2019	Jennifer Horn Demonstration	Bill Morris Shop	Camp Verde
Nov. 16, 2019	Clayton Cowart Demonstration	Peter Sevin's Shop	Phoenix
Dec. 2019	AABA Annual Banquet and Auction	TBD	
Jan. 23-25, 2020	Winterfest III	Pima County Fairgrounds	Tucson

## 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 Wednesday during the day with instructor Richard Rozinski, Tuesday and Thursday evenings with instructor Dan Jennings, and on Saturdays with instructor Jaime Escobedo. Blacksmithing is listed as WLD103 in the class schedule.

TIG, MIG, Arc, Gas, and Art classes are all available, as is certification in any of those welding methods at Mesa Community College, Southern and Dobson in Mesa.

Classes fill up early, but waiting lists may be available. For more information go to:  
**www.mesacc.edu**

## Deadline for the September 2019 issue

August 1, 2019 is the deadline submitting photos and articles for the July 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

## Welcome New Members

Colby Carter	Camp Verde
Terry White	Cave Creek
Ryan Larson	Gilbert
Steve Hawkins	Goodyear
Dwight Sanders	Mesa

## Classes at Pieh Tool Beginning/Intermediate Blacksmithing

• Beginning/Intermediate blacksmithing classes with Dylan Cook

Sep. 6-8, 2019

Registration is \$550.

Students will make several simple projects to take home.

(This class is full at press time. Check with Pieh Tool about getting on a waiting list.)

• Knifemaking class with Master Bladesmith, Ray Rybar

Sep. 27-29, 2019

Registration is \$550.00.

Students will make one knife.

• Damascus class with Master Bladesmith, Ray Rybar

This is a basic damascus class. It is not a knifemaking course.

Oct. 25-27, 2019

Registration is \$550.00.

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



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

## Open Forge: Desert Metal Craft (Tucson)

Desert Metal Craft will host an Open Forge on August 17, 2019, from 9 AM to noon.

Desert Metal Craft is at 544 E. 24th St. Take 4th St. to 4th Ave. Turn south on 4th Ave. then turn east on 24th St. DMC is right by the railroad tracks where 24th St. dead-ends.

## 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, more or less, Wednesdays (e.g. June 26, July 17, and Aug. 14, 2019). \$20 each night. Contact Rodger "Grizz" LaBrash at 602-716-9660 or [grizz@grizzlyiron.com](mailto:grizz@grizzlyiron.com) if you have any questions. You can check the calendar at: <http://grizzlyiron.com/classes-and-workshops>

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

Paul Diefenderfer will host an open forge on Saturday, July 6, 2019, and Saturday August 3, 2019, 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: 7645 Highland, 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!

## 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.**

## AABA Membership

Benefits for members include:

Member discounts at vendors around the state: See page 18 of this issue for more details.

Reduced registration fees at demonstrations and workshops

A one year subscription to the bi-monthly newsletter, *The Anvil's Horn*

Connection to members throughout the state who can answer questions and give advice

Free classified ads in the *Anvil's Horn* and on the AABA web site.

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

### AABA New Member and Membership Renewal Form

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

**Make Check Payable to AABA**

# AABA WINTERFEST III



**JAN 23-25, 2020**  
**PIMA COUNTY FAIRGROUNDS, TUSCON AZ**

— — — — —  
CAMPING • FULL RV SITES • BANQUET •  
GALLERY • SILENT AUCTION • LITTLE TENT EVENT  
EDUCATION TENT (NEW)  
— — — — —

## DEMONSTRATOR LIST

**Jack Brubaker, Rodger “Grizz” LaBrash, Doug Pryor, Ellen Durkin**  
**Little Tent Event: Fred Zweig Education Tent: Jaime Escobido**

*FOR REGISTRATION AND MORE DETAILS VISIT: [AZBLACKSMITHS.ORG](http://AZBLACKSMITHS.ORG)*





# The Lost Dutchman's Treasure Chest

Richard Rozinski

Hey everybody, Winterfest III is coming up soon and last year The Lost Dutchman's Treasure Chest was such a success that we'd like your help again this year. We're looking for tools that you've made either especially for the Treasure Chest or that you have made in the past and have lying around that you'd like to donate. Also, we would accept tools that you have laying around your shop that you don't use. Tools that you can live without that someone else would absolutely treasure.

Watch for the raffle, and buy your tickets early  
We'll see you at Winterfest III.

Send your donations to:  
RICHARD ROZINSKI  
9635 E. Sherwood Way,  
Sun Lakes Arizona, 85248



## Cool Tools for your Vice

By Mark Teece

### Holding short pieces of bar stock.



To stop the jaws from "rucking" and being able to hold on to short pieces of stock, a set of spacers are really helpful.

This great and simple tool was made from 1/8" thick pieces of plate by Bryan Moran from the Mohawk region.



*Reprinted from the Anvil's Chorus, newsletter of the  
iNew York State Designer Blacksmiths, Spring 2019*

## Members' Gallery



### Williams Family Treasure Chest.

David Bridenbaugh

Earlier this year I started looking at pictures of treasure chests made by blacksmiths. I couldn't find exactly what I liked but collected enough pictures to visualize what my own version of a treasure chest would look like. This will be a Christmas gift for my sister and brother-in-law.

I started with the lid by hot bending angle iron into two half circles. They were bent around a big block of steel that is 7" diameter and 3" thick. The leg that was being compressed would buckle and had to be hammered flat. It took several heats to get a smooth bend.

The flat plate is 14 guage scraps from a junk yard. The strapping is 1" wide with an offset to keep it flat against the plate. The frames for both lid and base were mig welded together. This does not add anything to the structural integrity of the chest. It was easier to fit the plate and rivet everything together with the frame welded together.

There are about 50 rivets holding everything together. The rivets in the corners and a few others were set hot since there was two pieces of frame and the plate to squish together.

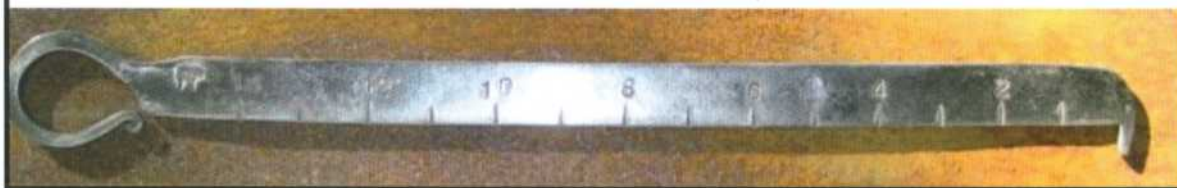
The Williams name was done hot with a fuller chisel. This was done on the anvil without a backing plate. The plate cooled quickly on the anvil so there was probably two heats for each letter. I made a curved chisel for the letter S.

The design and construction, including my own skills, are a little crude. That adds to the character of this chest as a very old family heirloom. It's brand new but looks like it has been here for generations. I used the traditional blacksmith finish of beeswax, linseed oil and turpentine. The dimensions of the chest are 12.5" wide, 11" high and 7.5" deep. It weighs 25 pounds.



## Quick Projects - Hook Ruler

Gerald Franklin



The hook ruler is useful for getting quick measurements on hot material. It isn't intended to be as precise as other measuring tools but can get you within "blacksmith tolerance" without burning the paint off your favorite pocket tape.

These things can be made from about any size material. I used a piece of 1/8" X 1" X 18" flat strap for the one in the photos.

Begin by taking a one-sided upset over the rounded far edge of the anvil. Drive the top corner material back into the mass to set up the hook. Dress the sides of the upset area to maintain the starting thickness. Be careful as you dress the hooked area so that you don't fold material over to the inside of the hook and cause a shut. Take your time here. Don't allow the strap material to neck down behind the hook.

Once you have a 3/8" to 1/2" long hook, move to the vise and rasp the rounded inner part of the hook to a square corner. Allow this area to cool without quenching.



*Continued on page 16*

## Hook Ruler Continued...

Work the other end into your choice of handle. Don't forget the touchmark.



Polish the shaft of the ruler then mark at 1 inch intervals. Scribe the "inch marks" with a cold chisel and stamp even number marks with number stamps.



*Reprinted from the newsletter of the Saltfork Craftsmen Artist-Blacksmith Association  
July 2015*

## Cool Tools for your Vice

By Mark Teece



### Holding a workpiece that has a taper.

The tool is made from a large piece of angle iron (1/8" or thicker), as wide as your vice. Then weld a piece of 1/2" round bar (or thicker) to the middle of the angle. The iron swivels on this round bar and automatically adjusts to the taper.

*Reprinted from the Anvil's Chorus, newsletter of the  
iNew York State Designer Blacksmiths, Spring 2019*






# 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 2020 Conference**

Washington County Fairgrounds  
392 Old Schuylerville Rd.  
Greenwich, NY

**Information Available at**

[www.abana2020.com](http://www.abana2020.com)  
abana2020 on facebook  
[abana.org](http://abana.org)  
ABANA Central Office  
423-913-1022

We will be featuring 8 disciplines of Smithing with at least three talented Smiths in each.

**ART:** with Daniel Miller, Zeevick Gotleib, & Ellen Durkin

**PERIOD:** with Peter Ross, Dick Sargent, & Bob Valentine

**TOOLS:** with Patrick Quinn, Jeffery Funk, & Eric Schatzel

**KNIVES:** with Matt Parkinson, Lin Rhea, & Jeff Helm

**POWER:** with Bruce Jarrell, Steve Parker, & Randy McDaniel

**FARRIERS:** with Dave Farley, Roy Bloom, Tom Willoughby, & Craig Trnka

**TEACHING:** with Mark Aspery, Gerald Boggs, & Jennifer Petrila

**FARM:** with Joel Tripp, Judson Yaggy, Derick Glaser, & Lucian Avery

The Patient Order of Meticulous Metalsmiths with Tom Latane, Peter Renzetti, & other exceptional craftsmen.

The lecture series will be featuring such notables such as Albert Paley, Howard Schechter, Doug Wilson, Bill Hochella, & members of the demonstrator staff.

There will be a youth teaching venue and family programs for the non blacksmiths.

The raffle will include a BAM box donated by Pat McCarty and a Big Blue power hammer.

The Iron in the Hat is pleased to announce the return of Len Ledet with his special blend of entertainment and wackiness.

The Saturday evening banquet is back with a New England style BBQ.

We will have a beer tent serving a local micro brew and a local distiller will be pouring our own signature Slack Tub bourbon. Collectable laser inscribed 2 liter wood casks can be purchased filled with our special label. See the website for information on the cask which can only be pre ordered and can only be picked up at the conference.

# 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.**

Anvil  
Antique coal forge  
Misc. farrier supplies  
Stall jack  
Foot stand  
Jay Sharp tongs  
Wagon wheel table

Charlie Brown  
6536 E. Paradise Dr.  
Scottsdale, AZ 85254  
480-942-4432 or 602-750-9065

**For Sale**

Variable Speed Horizontal Belt  
Grinder, 1 HP, EF-48 Beaumont  
Metal Works with stand and  
extension plate. Uses 2x48 or 2x72  
belts with extension plate. \$900.  
Located in Mesa. Contact David at  
[melanie618@ymail.com](mailto:melanie618@ymail.com) or  
480-231-6337.

**For Sale**

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

**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)

**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.

**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.

# Pricing Your Work

"I was talking with someone earlier about artists and artisans, the challenges so many have with the business side of things, especially pricing. Specifically when they undervalue their work. Without missing a beat, she said, 'That just drives it down for everyone.' She's right. I used to do this myself, and probably still do to a degree. It was a kick in the head when I realized the greater ramification of doing so. You may think that if you undervalue your work, you only hurt yourself. You don't. You might think that as a hobbyist, it is ok to barely cover your material cost. It's not. When you do this, you hurt everyone who is trying to be a working, sustaining artist. Know your worth. Know your work's worth, and price it accordingly. Learn how, there are many who will help you." - J. Veneziano

*Reprinted from the Virginian Blacksmith, joint newsletter of  
the Central Virginia Blacksmith Guild and the Southwest Virginia Blacksmith Guild  
May 2019*

## 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](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)

### Southern Arizona Farrier Supply

1603 S. Eastside Loop, #205  
Tucson, AZ 85710  
520-751-1443  
[www.southernarizonafarriersupply.com](http://www.southernarizonafarriersupply.com)

### 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. 3200 Lakeside Ave E, Cleveland, OH 44114 216-431-6460 Industrial marking [www.superiorsteelstamp.com](http://www.superiorsteelstamp.com) Makers [www.stampyours.com](http://www.stampyours.com) For either, contact [Sales@superiorsteelstamp.com](mailto:Sales@superiorsteelstamp.com)

### Tire Hammer Plans by Clay Spencer.

Send \$30US (PayPal) to [clay@tirehammer.com](mailto: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

### 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:

Wally Warnke, 7070 E. Dogwood Trail, Cornville, AZ 86325, 480-323-5003, [desert.rat51wb@gmail.com](mailto:desert.rat51wb@gmail.com)



*Open Forge at Dief's shop in Cave Creek, April 2019.*