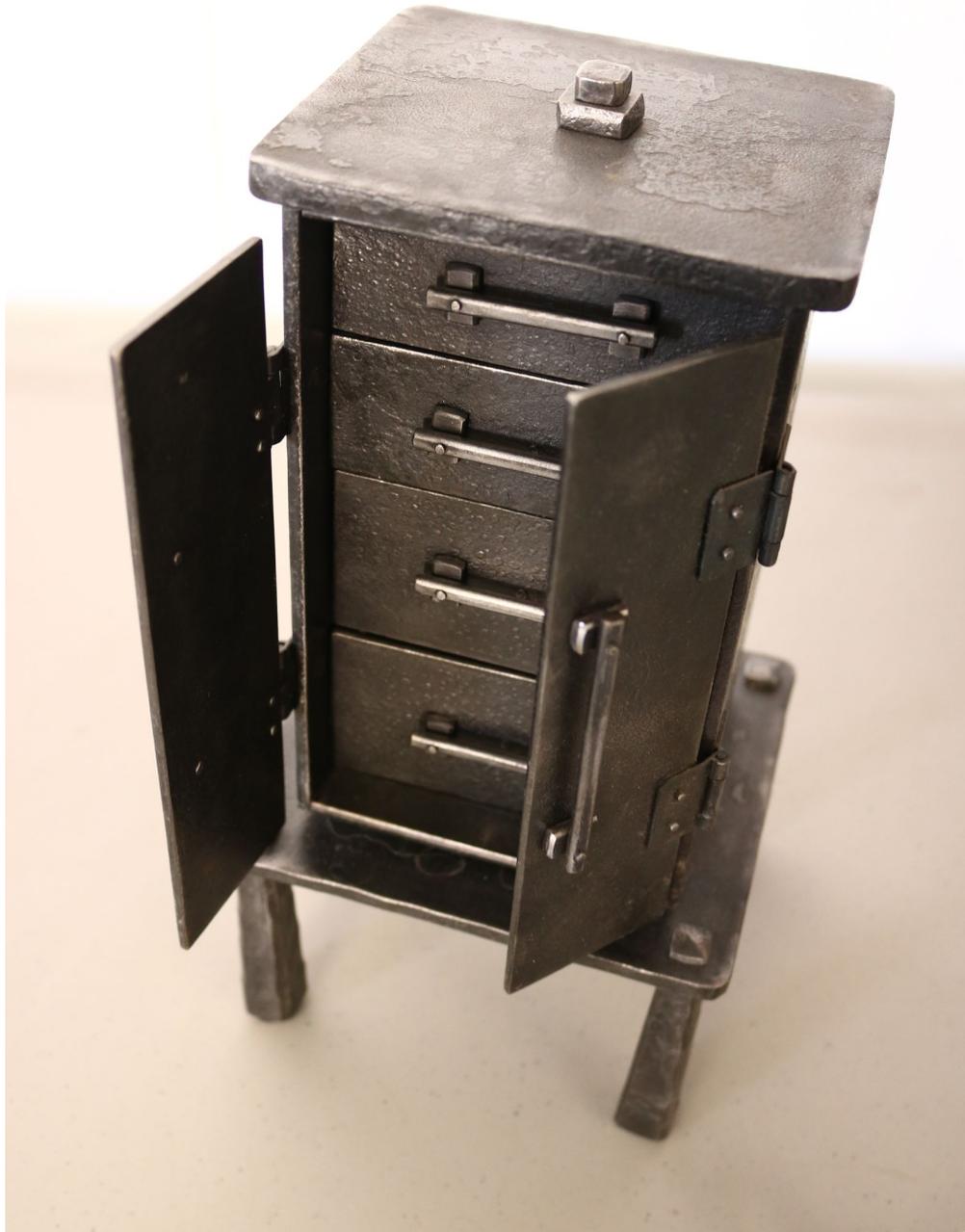


The Anvil's Horn

A Publication of the Arizona Artist Blacksmith Association

Issue No. 191 March 2018



Miniature Chest of Drawers by Maurice Hamburger

*Winner of the People's Choice Award in the Gallery
The AABA Winterfest 2018 at the Pima County Fairgrounds
February 2 - 4, 2018*

President's Message

Wow! Winterfest! Winterfest! Winterfest! If you weren't there, you missed a great conference. We had well over 100 people in attendance, four awesome demonstrators, and the awesome Flores family at our banquet Saturday night. All of this could not have been possible without the hard work by Richard Rozinski and Steve Miller. They spent countless hours planning and organizing this conference, and I think they've shown that Winterfest is a credible event in the Southwest. I cannot wait for next year!

I want to reinforce my previous message about engaging the youth who are currently interested in blacksmithing or metalsmithing. At Winterfest, I met a father and son who literally stumbled upon the conference by being at the fairgrounds and the racetrack nearby. The son already had a very strong interest in smithing and they were more than willing to stay for the afternoon at the conference. I also recently had another father and son stop by one of our open forges. The son (about 12 years old) was very interested in bladesmithing. Once he opened up a little bit, he was asking some very intelligent questions. He had done his homework, but they were looking for help to get to the next step and actually doing it! We have many great opportunities for youth like these to get their hands dirty coming up and, hopefully, for a long time. Invite them out. They will come, but they just have to know that we exist.

Keep the fires hot and see you at the next hammer in!

Jason LaBrash

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AABA OFFICERS and BOARD OF DIRECTORS

- President:** Jason LaBrash, 1329 W. Lincoln St., Phoenix, AZ 85007, 602-716-9660, jason@grizzlyiron.com
First VP: Steve Miller, 16251 N. 49th St., Scottsdale, AZ 85254, 602-989-6505, stevemiller.az@cox.net
Second VP:
Secretary: Terry Porter, 2310 E. Melrose St., Gilbert, AZ 85297, 480-313-7942, trp555@prodigy.net
Treasurer: Len Ledet, 24200 N. Alma School Rd., Scottsdale, AZ 85255, 480-502-9498, len.ledet@cox.net
Web Master: Paul Diefenderfer, P.O. Box 7766, Cave Creek, AZ 85327, 602-509-1543, dief@phoenixrockgym.com
Librarian: Jay Griffin, 8144 W. Columbine Dr., Peoria, AZ, 85381, 623-349-1422, jay.griffin@rtznj.com
Editor: Bill Ganoe, P.O. Box 40233, Tucson, AZ 85717, 520-326-5478, editor@azblacksmiths.org
Directors: Dylan Cook, Paul (Dief) Diefenderfer, Bill Ganoe, Ivan Hill, Peter Jonasson, Rodger (Grizz) LaBrash, Ali Merriman, Sam Rivera, Richard Rozinski, Peter Sevin, Ron Wicklund, Ira Wiesenfeld

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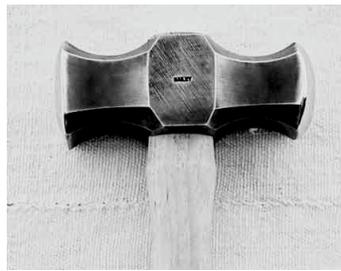
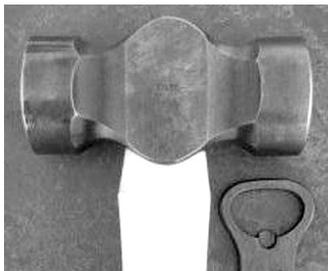
The Anvil's Horn is created with Scribus 1.4.6

Demonstration: Saturday, March 17, 2018 Grizzly Iron

1329 W. Lincoln St.
Phoenix, AZ

Demonstrator: Brent Bailey

If you know of Brent Bailey, you know that he really needs no introduction. Brent is straight to the point and is an amazing blacksmith. He is known for his hammers and has been making them since the early 2000s, before it was cool to make hammers. His hammers are very functional and purpose built. The thing that sets Brent apart is that his tools are finished. He takes that extra step to make them a complete tool that is functional and gorgeous at the same time. If you want to know more about Brent check out his YouTube channel. However his demo will not be specifically on hammers, since that will be the focus of the workshop following the demo. (See page 9 for workshop details.)



- 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 in the neighborhood.
- Tailgating is encouraged. Tailgaters, please consider donating to Iron in the Hat.
- 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.

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 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.)

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

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

Winterfest 2018 Report

Bill Ganoe
(Photos by Bill Ganoe)

The AABA Winterfest 2018 was an intense, enjoyable, and educational weekend. Fred Bourcherdt and Jay Burnham-Kidwell started things off Friday evening with fascinating and informative talks about their metal-working experiences. If you skipped Friday, you missed one of the best parts of this Winterfest.

Saturday morning featured Jay Burnham-Kidwell demonstrating forge welding techniques and offering a full morning of hints and tips for beginning and experienced forge welders. Some of these will appear in future issues of the Anvil's Horn.

Saturday afternoon featured Haley Woodward from Austin, Texas, creating a beautiful organic sculpture. All day Saturday people brought pieces for the Gallery and the silent auction.

Saturday evening featured a tasty dinner with a choice of beef, chicken, or vegetarian entrees. After the dinner, people crowded around the items for the silent auction until the bidding closed at 7 PM. After the winning bids were announced, we turned to the main event of the evening, the remembrance of all the many ways Bill Flores, Jr. had helped AABA over the years - and a few of the ways AABA helped

Bill. Bill Callaway, one of the founding members of AABA, offered recollections from AABA's perspective, and then Caleb Flores, a grandson, spoke about his grandfather's involvement with AABA from the perspective of the Flores family. Bill Flores, Jr., ran the blacksmithing shop on Main Ave. in Tucson until he passed away in 2010. That shop saw a lot of the history of the 20th Century including several AABA meetings and demonstrations. AABA owes a lot to Bill Flores, Jr., and it was fun reminiscing about those days. Some of those reminiscences will appear later in the Anvil's Horn. We would like to thank the many members of the Flores family who joined us on Saturday evening and helped us celebrate the life of Bill Flores, Jr.

Sunday morning featured Zach Lihatsch making a deadman (an adjustable stand to support long work pieces) with a simple adjusting mechanism. Rich Greenwood was scheduled to demonstrate Sunday afternoon, but he had to call in sick at the last minute, so Colby Brinkman, a colleague of Haley Woodward, from Austin Texas, demonstrated the creation of a soft-shelled crab in steel.



Blacksmith shop and meeting hall at the Pima County Fair Grounds.



The famous Ring Anvil (a fiberglass model brought to Winterfest by Joe Hernandez). This was the 1,400 lb. meteorite used as an anvil in Tucson in the early 19th Century.



The plaque presented to the Flores family. It will hang in the shop at the fairgrounds.

Winterfest 2018 Report (Cont.)



There were lots of opportunities for informal gatherings of friends.



Jay Burnham-Kidwell discussing forge welding



Jay preparing to test one of his welds.



Jay's basket twist created by forge welding four rods together.



Haley Woodward (l.) necking down a work piece.



Haley's organic sculpture



Winterfest 2018 Report (Cont.)



Zach Lihatsch working on his dead man support.



Zach's finished dead man



Colby Brinkman worked on building mass without welding. He riveted 4 layers of steel to form a soft-shell crab.



Colby's finished soft-shell crab

Some of the entries in the gallery at Winterfest 2018



Joe Madrid



Ira Wiesenfeld



Zach Lihatsch

Winterfest 2018 Report (Cont.)

Some of the entries in the gallery at Winterfest 2018



Jim Pepperl



Fred Borcherdt



Peter Sevin
There is no leather in this chair.



Dan Lehman



Jay Burnham-Kidwell



Richard Rozinski

Thoughts On The 2018 Winterfest At The Pima County Fairgrounds Tucson, Arizona

Bill Callaway

I have seen numerous slide presentations over the years, some not so good and some outstanding ones. Friday night's slide show was one of the best I've ever seen. Fred Bouchert started off with a presentation of his work as a master sculptor. The presentation consisted of a hundred slides of his work over the years and how it has evolved into different styles using basically three mediums; steel, wood and stone. Many of Fred's sculptures are on display in museums, art galleries and public places.

Jay Kidwell presentation went into great detail on how he has evolved into numerous phases of metal work using techniques he learned in Germany at Manfred Bredhole's shop doing forgework, to working in a school in England learning the art of restoration of antique iron and non—ferrous metals.

The thing that makes a good slide presentation is not just visual slides but an on-going dialog of how the pieces were made, the process, the tooling, the labor, the planning and all of the process from start to finish. I really would like to see this presentation, by Jay and Fred as a do-over next year on a night where everyone could be there.

Saturday morning Jay gave an outstanding demonstration of forge welding, one of the best I have ever seen. The attendance was over one hundred and not one person left before the end, the demonstration was so intense.

Saturday afternoon Haley Woodward demonstrated and made a really great piece. I love to see a demonstration where the demonstrator works on a project from start to finish.

Saturday evening was the banquet and thank you dinner for the Flores family, who gave much of the Bill Flores Blacksmith shop to the Pima County Fairgrounds. Twenty-seven of the Flores family attended, some came from as far away as Florida. After a brief introduction and talk by yours truly, and a member of the Flores family, a plaque was unveiled thanking their family. This plaque will remain permanently in the Blacksmith Shop at the Pima County Fairgrounds.

Sunday morning I watched most of the demonstration by Jack Lahash, who made a really great roller stand using all hand forged methods, a really nice piece.

Many thanks to all of those who helped put the Winterfest together, including Richard Rozinski, Steve Miller, Beatrice Perret, Sam Rivera, Harold Hilborn, Paul Diefenderfer, Jason LaBrash, Bill Gano, Dale and Bonnie Harvey, Devin Mace, Terry Porter, Peter Sevin and Mo Hamburger. And thanks to Tim Schaffer and Colby Brinkman, who helped the demonstrators. Special thanks to Richard Rozinski whose idea it was to replicate the 1997 Winterfest and carried the ideas through from start to finish. Also, thanks to teachers like Jaime Escobedo, who had fifteen of his class of twenty students from the Mesa Community College attending the conference.

The Arizona Winterfest has the possibility of becoming one of the southwest's best blacksmithing programs, as I envisioned when we did it in 1997. I'm so glad the association has picked up the idea and is running full speed ahead. Being just off the major cross-country freeway and the great site, plus so many things going on in Tucson, mainly the Gem and Mineral Show, helps make this event a winner.

Coming Attractions

March 18, 2018, Sunday

Brent Bailey Hammer Workshop \$200. Limited to 10 students.

The workshop will consist of making a hammer that you choose with Brent there to guide you. It is a one day workshop, and you will go home with a finished hammer, heat treated, and handled. You will choose the hammer weight you want in the 1 - 2 1/2 lb range. Materials are included.

Call Jason at 602-717-1459 or email him at jason@grizzlyiron.com to register.

May 19, 2018, Saturday

Regular AABA May demonstration at Bar-U-Bar ranch, Skull Valley, AZ (near Prescott)

Demonstrator: TBA.



40 YEARS TOGETHER
MADE BY HANDS
CALIFORNIA BLACKSMITH ASSOCIATION

APRIL 12-14, 2018
EL DORADO COUNTY FAIRGROUNDS

CELEBRATE 40 YEARS OF CBA EDUCATION

Auction & Saturday Night Dinner	• Zeevik Gottlieb	DEMONSTRATORS
Contests for all Ages & Skill Sets	• Lynda Metcalfe	
Young Smith Forging Area	• Mark Aspery	
Lectures & Slideshows	• Ellen Durkan	
Vendor Area	• David Lisch	
Gallery	• Darryl Nelson	
	• Colby Brinkman	
	• Haley Woodward	
	• Paul Boulay	

REGISTER AT: WWW.CALSMITH.ORG



The ABANA 2018 Conference
will held in
Richmond, Virginia
at the
Meadow Event Park
Wed Jun 27 - Sat 30 Jun, 2018

<https://abana.org/conference/2018-richmond-va>

Call to Artists

The Tucson Botanical Gardens Spring 2018

Ira Wiesenfeld has arranged for a Botanical Blacksmith Show at the Tucson Botanical Gardens for next spring. The show is set to open on April 7, 2018 and close on May 31, 2018. The theme of the show is sculptures using botanical forms. The Tucson Botanical Gardens (TBG) is looking for large, good quality sculptures. The size should be comparable to the larger pieces in the Botanical Blacksmith Show at the Arboretum at Flagstaff. (Example photos can be found the September issues of the Anvil's Horn for the past three or four years.) Proposals, if not photos of finished works, need to be sent to Ira, so he can submit the list to TBG by March 1, 2018. All pieces will be offered for sale to the general public. TBG will get 30% of the selling price. For more details call Ira at 520-780-9076 or treeira@hotmail.com. Check out the Tucson Botanical Gardens at <https://www.tucsonbotanical.org>.

Calendar 2018

March 3, 2018	Open Forge	Holy Hammer Iron Works	Tucson
March 3, 2018	Open Forge	Desert Rat Forge	Cave Creek
March 3, 2018	Craft Fair & Demonstration	Theves' Market	Tempe
March 17, 2018	Demonstration, Brent Baily	Grizzly Iron	Phoenix
March 18, 2018	Hammer Workshop, Brent Baily	Grizzly Iron	Phoenix
April 7, 2018	Open Forge	Ken Webb's shop	Tucson
April 7, 2018	Open Forge	Desert Rat Forge	Cave Creek
April 7, 2018	Botanical Blacksmiths Opening	Tucson Botanical Gardens	Tucson
April 7, 2018	Craft Fair & Demonstration	Theves' Market	Tempe

New Members

Neil McLean	Arivaca, AZ
Aqua del Sol LLC, Nick Stellern	Glendale, AZ
Loralei Riney	Glendale, AZ
Savage Land Comics, Leo Cox	Phoenix, AZ
Benn Psalms	Oracle, AZ
Tommy G. Towell	Taylor, AZ
Rebecca Halloran	Tempe, AZ
Samantha Hayes	Tempe, AZ
Bert Cheney	Tonto Basin, AZ
Casey Abbs	Tucson, AZ
Tamara Bills	Tucson, AZ
Jason Caruso	Tucson, AZ
Francis Gerl	Tucson, AZ
Michael Powell	Tucson, AZ
Hector Ochoa	Tucson, AZ
Jeff Hunter	Temecula, CA

Sahuaro Ranch in Glendale

The blacksmith shop at Sahuaro Ranch was destroyed by fire on September 25. That shop has been around since the 1880s. At press time, the fire was still being investigated as an arson case. We will be cleaning up and rebuilding as soon as the crime scene has been cleared. That will be at least March 2018 if not later. Anyone interested in helping out can contact Ronald Wicklund at 623-776-5684 or twistedpickets@yahoo.com.

Deadline for the May 2018 issue

April 1, 2018 is the deadline submitting photos and articles for the May 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

Classes at Pieh Tool

Beginning/Intermediate Blacksmithing

- Beginning/Intermediate blacksmithing classes with Dylan Cook

March 23-25, 2018

May 18-20, 2018

September 21-23, 2018

Registration is \$550.

Students will make several simple projects to take home.

- Knifemaking class with Master Bladesmith, Ray Rybar

April 20-22, 2018

September 28-30, 2018

Registration is \$550.00.

Students will make one knife.

For more details call 928-554-0700 or browse to www.piehtoolco.com.

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 Escodedo. 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

AABA Website: www.azblacksmiths.org

Open Forge: Tucson

Harold Hilborn will host the Open Forge on Saturday, March 3, 2018, from 9 AM to noon at his shop, Holy Hammer Iron Works, 5870 E. 14th St., Tucson. If you have any questions or suggestions, contact Harold at 520-603-6723 or hhiborn@aol.com.

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 every other Wednesday (e.g. February 21 and March 7). \$20 each night. Contact Rodger "Grizz" LaBrash at 602-716-9660 or grizz@grizzlyiron.com if you have any questions. Also, check out classes at Grizzly Iron on page 12.

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 offer to donate to help out or help with the cost of replacing a item. Thank you! From all of your open forge hosts. **You will need to wear safety glasses. Hearing protection is recommended.**

Open Forge: Desert Rat Forge (Phoenix area)

Paul Diefenderfer will host an open forge on Saturday, March 3 and Saturday, April 7, 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

Directions: From the center of Cave Creek (the 4-way stop at Cave Creek Rd & School House Rd.) head north on School House 1.5 miles to Highland Rd. (If you get to the 4-way stop at Fleming Springs you have gone a tad too far.) Turn right (east) on Highland. After about 1 mile the pavement ends. Keep going on the gravel road until the pavement starts up again. Turn right through the stone walls down a paved driveway. 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 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	_____
City	_____
State	_____
Zip	_____
Phone	_____
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

Classes at AABA Members' Shops

Grizzly Iron

1329 W. Lincoln St., Phoenix, AZ

Friday Night Damascus Workshop

Friday, March 9, 2018 or Friday, April 27, 2018

Learn the very basics of forging a simple Damascus billet. The workshop will be on a Friday night from 5-9pm. The billets will be preassembled, so we'll be able to dive right into forging. Materials are included. This class is limited to 6 students. \$125

Basic Blacksmithing Workshop

Saturday, March 31, 2018

In this class you will learn how to make a bbq steak turner. You will learn the basics of tapering, bending and twisting. If time allows, we will work on another small project. All materials and tools will be provided. Please bring safety glasses and work gloves if you have them. Closed toed shoes are required. \$175

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

Job Opportunities

Tombstone, AZ

Rawhide Western Town, Chandler, AZ

Todd "Grizz" Mace, is the blacksmith in Tombstone. Todd's son runs Rawhide blacksmith shop in Chandler, AZ. Todd is retiring, and he and his son are returning to Montana, so there is an opening for a full time Blacksmith in Tombstone and a seasonal smith at Raw Hide.

Call Todd Mace at (480) 586-4166 to discuss the job in Tombstone

Go to Rawhide, 5244 N. 48th Street, Chandler, AZ and talk to the management about the job at Rawhide.

Demonstration Opportunities

Thieves Market

Tempe, AZ

Saturday, March 3 and Saturday April 7, 2018

Grizz LaBrash reported that the Thieve Market is giving us an opportunity to show off our blacksmithing skills as well as a place to sell our creations. He plans to be out there on the first Saturday in March and the first Saturday in April. The hours are *am till 4 pm, but he will be getting there about 5 am to set up on the first show. This is held at Big Surf on McClintock just north of the 202 Loop in Tempe.

Grizz will have 3 or 4 tents, and he would like to do very similar to what we did at the Shemer Art Show in November: at least two teaching stations and two demo stations. We have full permission to do our blacksmith teaching and promotion of our classes and workshops. A couple of people from the Thieves Market staff came to Grizzly Iron and shot some promotional video for this event. It should be out in early February.

This could very well work into a monthly show between October and April. Grizz said he could use help with anvils, vices, and forges.

If you are interested in participating, call Grizz at 602-716-9660 or email him at grizz@grizzlyiron.com to discuss details.

Members Gallery



Ryan Bishop

I recently had a piece I had entered in a local [Flagstaff area] art show win best in show.

- Ryan Bishop



*Open Forge in Tucson
Jerry Harris' shop, The Village Blacksmith
January 6, 2018*



Interesting Web Links

Watch an interesting demonstration of a file cutting machine designed by Leonardo da Vincit around 1480:
<https://www.youtube.com/watch?v=psnfoNThFU>

For another video of da Vinci's file cutting machine:

<https://tinyurl.com/ybvblfq4> (For the cyber-paranoid: <https://preview.tinyurl.com/ybvblfq4>)

For more material on Leonardo da Vinci:

<https://tinyurl.com/ycg8o2st> (For the cyber-paranoid: <https://preview.tinyurl.com/ycg8o2st>)

Forged Pine Cones

David Bridenbaugh

Making pine cones out of steel can be both fascinating and intimidating. They look difficult to make but are surprisingly easy when you know how. When making any kind of animal or plant out of steel it is important to remember we don't have to make an accurate representation of it. We are making artwork so a little "interpretation" is acceptable. It doesn't have to look exactly like a pine cone you find in the woods. So lets get started.

The pictures show a hardy tool and four chisels you need to make. The four chisels have a rounded tip. The sizes are approximately 1, 3/4, 3/8 and 1/4 inch. They don't need to be tool steel or hardened steel. The hardy tool can be mild steel also. Use an angle grinder or carbide burr in a die grinder to form the notch.

I use a pine cone kit of 12 segments. Each petal of each segment needs to be shaped individually using a chisel and hardy tool. The smallest segment

is too small to shape the individual petals. It should be formed slightly dish shape by pounding into a block of wood.

When all the segments are formed they will look as shown in the photograph. Line them up on a 1/4 rod and mig weld them one at a time. The last one should be welded all around the stem. Allow about 2 inches for the stem. Put some dots of mig weld on the stem and bend to a smooth curve.

The finishing process starts with soaking in muriatic acid for at least an hour to remove all the scale. It should be very shiny all over before proceeding. Rinse in water and heat to 200 degrees. It is important to be close to that temperature so I use the kitchen oven. Allow sufficient time for the pine cone to warm up and remove from oven. Spray with Sculpt Nouveau Japanese Brown patina. Allow to dry and spray with several coats of Sculpt Nouveau Clear Guard Protective Lacquer.



The 12-segment pine cone kit after shaping each segment



One of the segments being shaped on the hardy tool



The hardy tool from the top



The hardy tool from the side

Forged Pine Cones - continued



Hardy tool with dimensions



Chisels - approx. 1", 3/4", 3/8", and 1/4"



Assembling the segments on the stem

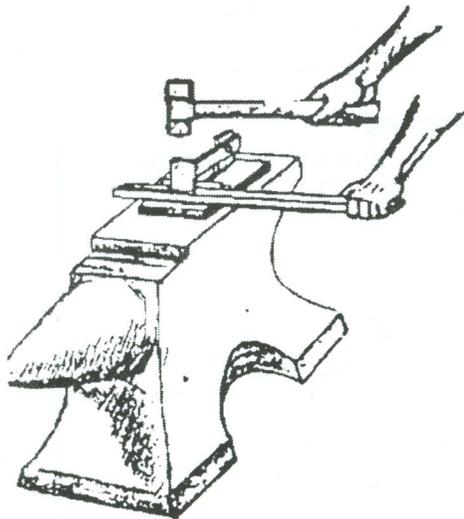
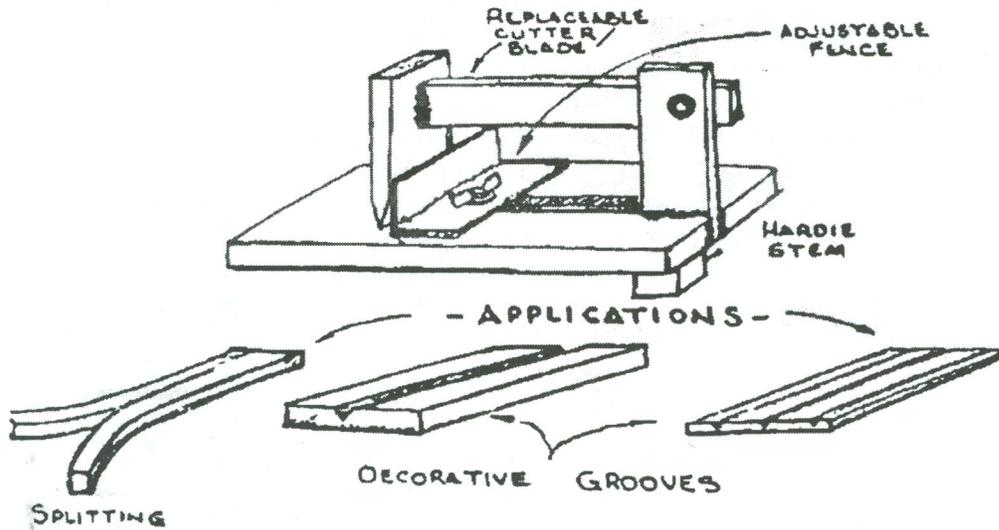


The finished product

David brought one of his pine cones for the Silent Auction at Winterfest 2018. He got his pine cone kit from Creative Metal Arts, 30338 SE Bluff Rd., Gresham, OR 97080, 503-729-5234. (Creative Metal Arts doesn't have a web presence.) There are other sources for pine cone blanks out there, and, of course, you can make pine cones from plain old round or flat rod too, but following David's instructions here should get you off to a good start.

ADJUSTABLE SPLITTER

E.J.F., The Florida Clinker Breaker, April 1989
via the Blacksmith Guild of Central Maryland



THE ADJUSTABLE SPLITTER IS A TOOL THAT HELPS IN MAKING FAST AND UNIFORM GROOVES AND SPLITS.

THE ADJUSTABLE FENCE KEEPS A CONSTANT DISTANCE FROM THE BLADE MAKING IT EASY TO SPLIT A LONGER SECTION IN ONE HEAT SINCE NO TIME IS SPENT ALIGNING THE BLADE.

A VARIETY OF REPLACABLE BLADES CAN BE MADE FOR DIFFERENT STAMPINGS/PUNCHINGS.



Joe Favia
December, 1988

Reprinted from the Anvil's Horn, Jan 2002



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.

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
Regular	55.00	105.00
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

Back issues of the Anvil's Ring are now available on the ABANA website. Most issues, all the way to vol. 1, No. 1, September 1973, are available. Some issue are still waiting to be scanned for posting on the web site. <https://abana.org/publications/back-issues/#myaccount> You must be an ABANA member to access this archive.

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. 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.

Big Blu 65 Power Hammer

Like new! \$5,000
Mint condition. Used twice. Works
perfectly. Comes with 2 sets of dies
and a credit to Big Blu for another set
of dies of your choosing.

60 Gallon Quincy Compressor -
\$750.

Our shop is located in Phoenix, but
we are willing to work out a deal to
deliver. Please contact Michaela at
623-208-9358 or mjayde@cox.net

Coal for Sale

Dragonforge Ironworks has bulk
coal for sale. \$25 per 50 lbs.
Minimum order \$100. Small orders
can be filled at our shop in Mesa.
Larger quantities available up to 1
ton but are located at the
Superstition Mountain Museum in
Apache Junction.

Really great forging coal from the
King Coal Mine in Colorado. Bulk
only, chunk sizes vary from pool
ball to bowling ball. Bring your
own 5 gallon pails, 3 pails equals
about 100 lbs.

Call Michael at 480.529.0206.

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 if you
have one available. I am located in
Phoenix, but willing to drive.

For Sale

Bridgeport M Head Vertical Mill
with cherrying attachment for chisel
shaping. Original vise, Van Norman
Rotary Table 32 X 9 with autofeed x-
axis. Three phase with VFD or
110/220 single phase. Multiple
attachments: 90 degree quill
adjustable, quill master MNT M2
tapered collets, end mill adapters,
hold down set and lamp included.
Weighs approx. 2000 lbs.
\$3000.

HancockShopSale@gmail.com

For Sale

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

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) 535-4766 or visit
www.blacksmithswifemarketing.com

Advantages of AABA Membership

IMS has offered AABA members two great opportunities. Thanks to members Doug Kluender and Wade Smith for the idea and contacts with IMS.

1) IMS has space for member metal work to be put on display in a glass case and on top of the cut metal rack inside the store. Contact Steve Miller, stevemiller.az@cox.net, to get your items on display. These items may be for show only or they may be offered for sale. Artists are responsible for any financial exchange. IMS will make a nice card to identify the piece, the artist, and the cost.

2) IMS is offering a 10% discount to AABA members. The discount is available at the Phoenix and Tucson stores. You need to establish an account at IMS. It's free. No credit approval is needed. You can pay with cash. Give the staff your account name whenever you buy something, then request the education discount as an AABA member. If questioned, inform the clerk that they should have an AABA member list behind the counter.

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

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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

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
500 E. 38th Ave.
Apache Junction, AZ 857119
602-672-7085
www.arrowzonastoneworks.com

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High quality L-Brand coke
\$30 per 50 lb bag

Rodger or Jason, 602-716-9660

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

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

Say-Mak Power Hammers

Helmut Hillenkamp
2873A Industrial Rd.
Santa Fe, NM 87507
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.

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

Your dues for 2018 are due now.

You should have received a couple of invoices by now. Please renew as soon as you can.