



# *The Anvil's Horn*

A Publication of: The Arizona Artist Blacksmith Association

Issue No. 139

July 2009

Forged flowers by Joe Hernandez at St. Augustine's Cathedral  
See page 8 for more

# President's Message:

I'm writing this a week before the Skull Valley meeting, but I know I can safely say what a great get-together it was. Thank you Barry and Laurel for hosting another wonderful Bar U Bar AABA demo, and thanks to the Board, and especially Grizz, for organizing this event, as well as the upcoming one.

Our next meeting is at the Pioneer History Museum in Flagstaff, a new venue for me. I wasn't able to go last year, and am looking forward to seeing it, after hearing about last years successful hands-on event. So we're doing it again; you can watch experts forge a knife, a letter opener, an oak leaf or an acorn, and then try it yourself, with the demonstrators help.

The main thing I'd like to emphasize is this; DON'T BE SHY! We tend to be when forging in front of others, but don't let it stop you from stepping up to the anvil. We were all beginners once (and I still sometimes feel like one.) You'll learn much more than how to make the item you're forging- you'll get instruction on your basic forging technique, which will help you whatever you're making. You'd normally have to take a workshop to get this kind of help, so don't miss this opportunity.

And finally, in the great Flagstaff demo tradition, why not make a relaxing weekend out of this meeting. If people want to stay and camp Sat. night, I'll find a campground. (This wouldn't be an AABA event, just a bunch of smiths eating, drinking (non-alcoholic beverages of course) and being merry. Maybe we can get Grizz and Jason to Dutch oven up some of that delicious cobbler they made at Bonita. Maybe we can stay up till all hours forging a group project (but don't count on me; I'll be asleep by 8). Well, whatever we do, I look forward to seeing all of you in Flagstaff.

*Ira*

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# July Demo: July 18 Pioneer History Museum, Flagstaff

Registration starts at 8:00 am, demo begins 9:00 am

## Morning demonstrations –Afternoon Hands-on forging.

**Demonstrators: Marc Larsen, Ray Brown, and Clark Martenik**

**Marc Larsen.** Marc has the largest collection of Marc Larsen knives in the world! And it's huge. He is a very talented knife maker who has lots of great ideas that beginner and master will all find helpful and interesting.

**Ray Brown.** Most of us know Ray from his years as proprietor of Brown's Farrier Supply in Tempe and more recently for the fine hammers he has been producing and donating to AABA events. Ray has been shoeing horses for longer than he'll admit and is one fine hobbyist blacksmith. He'll show us some forging projects using those worn out horse-shoes

**Clark Martinek:** Clark is one of the most enthusiastic blacksmiths in AABA. He has been a professional fabricator for many years and in the last few become passionate about forging. He likes to bill himself as a beginner, but everything he does is very high quality. He loves to push the envelop and add his own take on everything he makes. He will show his version of oak leaves and acorns.

Hands on forging in the afternoon, so bring some hand tools. Don't miss this opportunity to practice, ask questions and learn from others.

- This is a one day event, however, if you would like to spend the night and make it a weekend contact Ira or Grizz and let them know. (see Ira's President's Message pg. 2)
- Lunch on Saturday will be on your own.
- Please bring something for Iron-In-The-Hat and Show and Tell.
- Tailgating encouraged –bring your stuff!



Directions to Arizona Historical Society  
Pioneer Museum in Flagstaff:

I-17 toward Flagstaff

Exit 23-B

Merge onto S. Milton Ave

To N. Humphrey's street/US180 .6 mi

Left onto W. Columbus

Follow US-180 1.3 mi

To 2340 Fort Valley Road

*You might see a few of these laying around in Flagstaff or  
at Grizzly Welding where Grizz made this one*

**As always, safety glasses are required.**



## Demo Report: Brian and Ed Brazeal

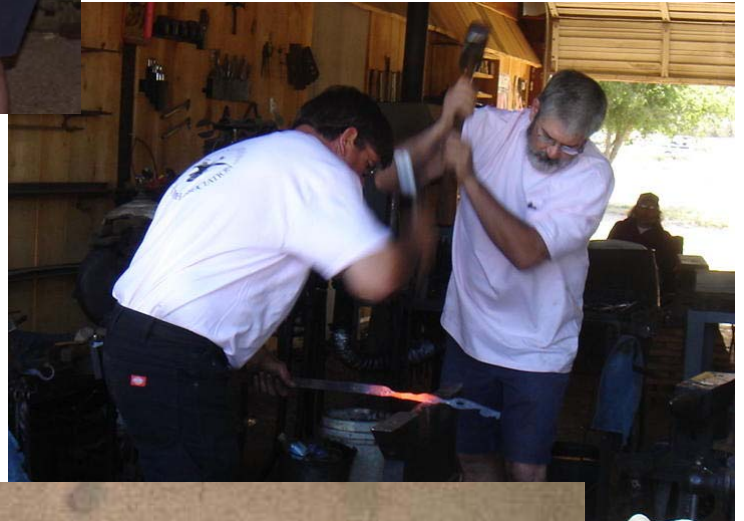


Barry and Laurel are always wonderful hosts. It is a real treat to be able to spend a weekend at their Bar-U-Bar Ranch and, of course the food was great!. Thanks Barry and Laurel for another great event.

*It is easy to tell that brothers, Brian and Ed have done this a few times before. They are a well choreographed team. Here they are drawing out the meat turner seen below. Brian has the beard;; Ed is the talkative one.*

*Above: is one of Barry Dentons' photos. No wonder he can make money taking pictures! Right is one of the editor's -easy to understand why I don't get paid for photos.*

*Brian and Ed worked their way through several projects including the two shown below. In addition they made a small cross, a calla lily, tongs and a rounding hammer head .*



*Above: Bottle opener, steak turner, and a horse head - three of the most popular blacksmith projects rolled into one!*

*If you couldn't sell these at an Arizona craft show maybe you should give up.*

*Right: This is the Brazeal signature horse head. They make them look easy. Of course, once you've done a few hundred, they probably are easy.*







*The joinery on this piece is accomplished with rivets, which are forged flat. Ed punched a square hole and made a square rivet to make the a similar joint in a cross he demonstrated.*

*Below: Brian and Ed kept the crowd engaged for the entire day. (Barry Denton photo)*

Jon DeMasi cooked up another great breakfast Sunday am. On the way to the Bar-U-Bar Saturday morning, his car suffered catastrophic mechanical failure and he had to be towed back to Mesa. He got home, rustled up another vehicle and dove up late in the afternoon so that no blacksmiths would go hungry Sunday morning.

Awesome, Jon!



*Above: Brazeal tooling (Barry Denton photo)*

# SMITHIN ATTITUDE

By Barry Denton

There seems to be a minor panic within the blacksmithing community in regard to the economic slow down. I have always found these situations a good challenge to better yourself in spite of what the media or your government wants you to believe. Yes, I realize the stock market affects lots of pocket-books, not only yours, but your potential clients as well. I also realize that a lot of projects are put on the back burner for a while too.

Hopefully since we are just coming off a several year boom you have a little savings buried in the back yard. Whether you do or don't this is the time to spring into action! Don't mope around because business is slow. Do something about it.

First, instead of bemoaning what you don't have, look at what you do have. Check your schedule and say you have enough work for Monday, Tuesday, and half of Wednesday. Okay so you are worried about what to do on Thursday and Friday. Look at the project that will keep you busy the first two and one half days. Is there something extra you could do with that project that would make it more special for the client? Yes, I'm talking going above and beyond the job agreed to. Perhaps you spend Wednesday afternoon doing more finish work on your project or instead of making the five items that are called for in the work order, make six and don't charge any extra. When you have a little extra time on your hands, it is your time to shine. Give your present client more than he asked for and he will remember it in the future. Even if your client doesn't have any more projects for you himself, he will be a very good source of free advertising for you.

When things slow down another good attack may be to take a lesson from Sam Walton. Have some portion of your work that you sell under priced to lure people in to buy other parts of your work at the regular price. I've noticed that potential clients tend to bring you a smaller job first to see how they are treated. If they are happy with your work and their treatment, they will bring you a lar-

ger job later on. You may need the money today, but always invest in goodwill for the long term.

Let's see, we still have no work on Thursday and Friday and we still need to pay the bills. One of the first things I do is start looking around my shop to see what spare stock I have laying around. Any blacksmith shop I have ever been to has extra pieces left over from other projects. The best thing about these extra pieces is that they are already paid for. Put on your thinking cap and try to come up with something you can make that would be relatively easy to market. Expand your range and look for new markets for these items. You may not get a check right away, but maybe you will in time. Talk to outlets where you don't normally go such as tourist traps, galleries, auctions, etc.

For those of you just beginning the blacksmith trade don't despair because this is a time of great opportunity. During the boom busy shops needed skilled workers and could pay them well. Many shops did not have the time to teach young skulls full of mush. However, here is your chance. An older blacksmith may be more willing to take on a greenhorn because he has more time and won't have to pay him as much. If you can't find a place to work then start your own gig. There are lots of simple basic items made with a hammer, forge, anvil, and vise that can be marketed. By making simple items it will improve your forge skills to make more complex items. Don't expect to make a living solely on blacksmithing for a number of years. It will take you time to develop talent. Do what you have to do. Work at anything you can to sustain you until you can go out on your own. Join blacksmithing organizations and enroll in their scholarship programs. Go to every blacksmith demo you can. People starting in this profession today have so many more advantages than those of us that started in the era of no one sharing knowledge.

In an economic slow down don't sit around and wait for someone to rescue you. Get your



tail in gear and make your own business happen. Don't be afraid to do the unorthodox. I think we all want to be blacksmiths or horseshoers because we are rugged individualists. Get out there and show the world just how rugged you are!



## Metal Etching Workshop at Paul Dief's

After a postponed start—Paul got stuck in Florida on a job— the workshop was held May 27.

Paul has been experimenting with etching metal for quite a while and spent a very interesting morning explaining the what's, and how's. Materials needed are simple.

- A plastic container such as 5 gallon bucket, a 55 gallon poly drum, a 275 gallon chemical container or even a stack of lumber covered with plastic sheeting.
- A 12 volt power supply such as a cheap battery charger.
- Washing Soda (Food City seems to be the easiest source) and water—about 1 cup soda per 10 gallons of water
- A metal grid —rebar works.

The item to be etched is suspended in the tank; the metal grid is suspended next to it. The positive electrode is connected to the work piece and the negative is connected to the grid (don't let the battery charger clamps touch the liquid or they will etch away). Turn on the power and wait a few days. If you hook up the wires backwards the work piece will be cleaned of rust instead of etched.

Paul uses thick oil paint or sign maker's self-stick, vinyl to mask areas he doesn't want etched. Here are a couple of the results.



# The Job of a Lifetime:

## Msgr. Jose Arsenio S. Carrillo Placita & Hall

By Harold Hilborn

Many of us would think of this as a once in a life time job. Something to leave on this earth as a piece of art that people will enjoy for many years.

This project was done by our own Joe Hernandez. It is located at St. Augustine's Cathedral in Tucson. He was asked to design and start this job in May of 2007 and it was dedicated June 1, 2009. Due to budget constraints some of the flowers and vines were omitted. When the bishop saw the completed project the money became available for another 75 flowers with leaves and vines. So, Joe still has more to do.

There are currently 315 flowers on the structure. Each pedal is hand forged into a jig made out of a piece of pipe. It also has 1000 leaves that were done in a die made by Joe, which went into his 50 ton hydraulic press. Along with 12 butterflies, 8 birds, and over 2000 ft. of vines made out of 5/8 and 1/2 inch round stock.

The painting was done by artist Chris Andrews. All the flowers, leaves, vines, butterflies, and birds are painted in a automotive paint with a clear coat that makes the already bright vibrant colors jump out even more.

Also on the project Joe was asked to design a grotto which gives the history of Msgr. Carrillo and the major contributors of the project. There is a fence along side the grotto with flowers, vines, and leaves. A sign with gold plated lettering at the entrance to the placita, and another section of flowers vines and leaves over and around the men's and lady's bathrooms.

Joe has agreed to host a demo at his shop to show us all the tooling and processes he used and developed on this project.

May I say from all of us at the AABA  
"Joe, Job Very Well Done".

*The structure was donated by TA Caid*

*To get an idea of scale of the project, the white stucco wall in the center is 6-7 feet tall.*

*The flowers are 12-16 inches in diameter*







*Butterfly detail.*

*Check out the AABA website for color photos .*



*Left: The Grotto mentioned in the article contains more flowers, leaves and vines.*

## CALENDAR 2009-2010

July 18	Demo & Hands on Forging	Pioneer History Museum	Flagstaff
September 19 & 20	Demo Mark Finn	Bill and Karen Morris'	Camp Verde
November 14	Demo	Grizzly Iron	Phoenix
December 5	Auction and Banquet	Sahuaro Ranch	Glendale
January 16 & 17	Demo Caleb Kullman	Sahuaro Ranch	Glendale
March 20 & 21	Demo	Triangle R Ranch	Oracle

### November 14:

#### Demo Challenge

I propose to all the blacksmith members out there a challenge for this years November Demo:

**A sculpture piece made with the following criteria, and any or all of the following, but not to exceed:**

- 20 feet of ½ inch round stock
- 20 feet of ¼ inch round stock
- 10 feet of 3/4 inch square stock
- 10 feet of 1/2 by 2" flat stock
- 1 - 2' x 2' piece of sheet metal....gauge, artists choice
- 1 - 1' x 1' piece of any of the following: copper, brass, stainless, or aluminum
- 1 additional item of any material, it can be already made.... ie: a pen....or it can be another medium like glass, wood, plastic, etc

This can be an individual or team effort.

Use your imagination, get a few friends (or not) be creative, and start forging.

### 2009 Auction & Banquet

Our annual auction and banquet is quickly approaching. This year it will be on Saturday, December 5, 12:00 noon at Sahuaro Ranch. We will have great food, awesome raffle prizes, beautiful auction items, and just a great time to relax with old friends.

Now would be a good time to start working on your auction item(s).

Look for more news to come in the next Anvil's Horn and on AZ-blacksmith.org.

### Welcome New Members

Colby Rampley	Loyal Clarke
Eli Kane & Kristin Loving	Lee & Diane Helm
Al Boyle	Keith & Jillene Evanson
Dick Wright	Nancy L. Kane
Ryan Niezwaag	Carol & Ray Belmore
Preston Gaiser	Eloy & Noelle Rodarte
Joan Waters	Burr Vandewart
Sheryl Brock	Valerie Ostenak
	Kristof Rowe

### Blacksmith Shop at Camp Verde Historical Museum

The Museum, located at Fort Verde, would like AABA to equip a small shop for demos. If you have a nice coal forge, anvil, vise, or other traditional blacksmithing tools you'd like to donate or if you'd like to participate, contact Bill Morris. [azmorris@aol.com](mailto:azmorris@aol.com) or 928-576-2804

**Deadline: August 7** for the September issue of the Anvil's Horn. Earlier would be greatly appreciated. Articles, photos, notices, and ads can be emailed to: [Danshammer@cox.net](mailto:Danshammer@cox.net) or mailed to AABA 2522 W. Loughlin Dr. Chandler, AZ 85224

### Education and Workshops

If you are interested in taking a class or building equipment in a workshop contact: Grizz ( 602-716-9660 [grizz@grizzlyiron.com](mailto:grizz@grizzlyiron.com) ) or Richard Rozinski (602-803-7555 [rrosinski@cox.net](mailto:rrosinski@cox.net))

**2009 Dues were Due January 1**  
**If you don't receive this issue, we haven't received your dues.**

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## **AABA Website: [AZ-blacksmiths.org](http://AZ-blacksmiths.org)**

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### **AABA BOD News**

#### ***BOD Nominees.***

AABA is seeking nominations for the board of directors. Terms are for 2 years.

It takes a lot of work to organize events, classes, workshops; maintain the website, publish the newsletter and do the general business activities that keep AABA going. However, with a few people willing to commit to doing a few small things we can get it all done.

If you would like to be one of the people or if you would like to nominate someone else contact secretary Terry Porter (see page 2).

#### ***2010 Dues Will be invoiced in December.***

How come AABA doesn't send an invoice? That question has been asked many times over the years, but no one ever seems to have an answer. This year we're going to give it a try - an invoice will be sent to all members in late December for the 2010 dues. The BOD hopes this will aid in the timely collection of dues.

*From my standpoint it means that my wife pays the dues from the checking account instead of me paying dues from my "walking around" money. That means I'll have more money for Iron in the Hat tickets. ed.*

### **Pieh Tool Announces Fall Class Schedule**

Gordon Williams will be offering his beginning/intermediate classes at the Bill Pieh Resource for Metalwork on the following dates.

2009:

September 25-27

Oct 23-25

Nov 20-22

Dec 4-6

7 am - 6 pm

For more info or to sign up contact:

*Pieh Tool Co.*

*661 E Howards Rd., Ste J*

*Camp Verde, AZ 86322*

*928-554-0700*

*<http://www.piehtoolco.com>*

### **Anvil's Horn Via Email**

This service is available to members only and we ask that you not forward the newsletter to non-members. ( You will still get your hardcopy in the mail.) To sign up, email webmaster John Doss at: [jdoss@rock-n-rod.com](mailto:jdoss@rock-n-rod.com)

### **AABA New Member and Membership Renewal Form**

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_  
TELEPHONE \_\_\_\_\_ EMAIL \_\_\_\_\_ ZIP \_\_\_\_\_  
PROFESSIONAL BLACKSMITH \_\_\_\_\_ HOBBYIST \_\_\_\_\_ FARRIER \_\_\_\_\_  
INTERESTED IN THE ART \_\_\_\_\_ TEACHER \_\_\_\_\_ OTHER \_\_\_\_\_  
OCCUPATION OR SKILL \_\_\_\_\_

PLEASE CHECK ONE:

REGULAR MEMBERSHIP (\$30) \_\_\_\_\_

FAMILY MEMBERSHIP (\$35) \_\_\_\_\_

**Make Check Payable to AABA**

Mail to: Terry Porter  
2310 E. Melrose St.  
Gilbert, AZ 85297



# Learn To Forge Silver with Valerie Ostenak

Sterling silver forging is accomplished with hammers and an anvil that have been polished to a mirror finish. Silver, unlike steel, is worked cold so curves are forged into place—each mark is a carefully set hammer blow that determines the curve and shape. By leaving the marks of the hammers, the creative force, the energy that it takes to achieve those flowing lines and soft curves is seen—juxtaposing strength with grace. In the woven pieces, depth and dimension are achieved by weaving the forged pieces together firmly and with purpose, without melting them together to become one. Each forged element maintains its individuality, yet becomes more beautiful as a synergistic whole. With a final polish, the metal becomes a mirror, reflecting the energy of transformation and the beauty of the material.

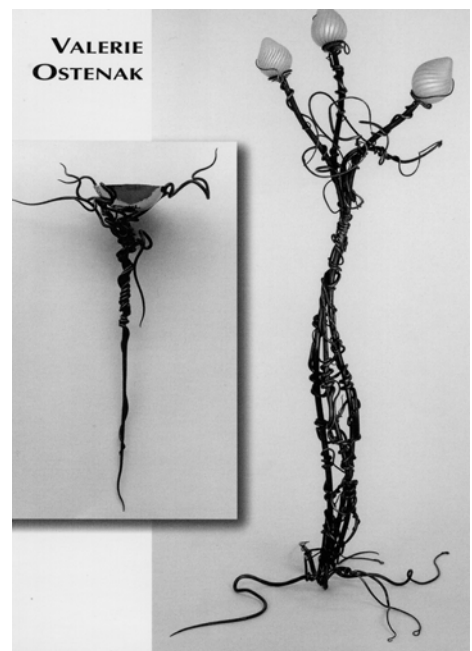
## Training

Valerie's training started with jewelry and metalsmithing courses at Northern Arizona University in Flagstaff and continued at California State University Long Beach. She has worked with blacksmiths creating gates, stair rails, sculpture and lighting, and has attended workshops nationally and internationally to learn new techniques.

Learn about forging and finishing sterling silver and the tarnish resistant argentium sterling silver; their differences and similarities to steel and bronze; reworking and polishing hammers and anvils; and have a finished piece to take home. Demo and hands-on weekend and maybe even a BBQ...

The workshop will be held in Camp Verde, with the dates accommodating those who are interested.

For more info contact Valerie at 928-646-7078 or [vo@valerieostenak.com](mailto:vo@valerieostenak.com)



# Rounding Hammer Workshop with Brian and Ed

Photos by Barry Denton



Eleven people attended the workshop and all 11 ended up with a forged rounding hammer. Some got them completed –heat treated and polished.

Everyone I talked to said it was a very rewarding experience and a whole lot of work. Some folks complained of difficulty lifting their coffee cup the morning after.



## Some thoughts on Tools

Mary Ann LaRoche

Metal working can range from the use of just a few tools, to actually acquiring a slew of them. No matter what type of tool you have or use, from the simplest to the most complex, they all require some sort of maintenance to keep them in tip top shape. Of course the more advanced blacksmith can always fabricate his/her own tools, but, why have to replace something that you already have made or purchased.

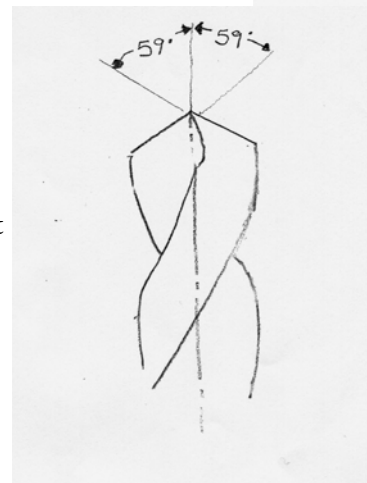
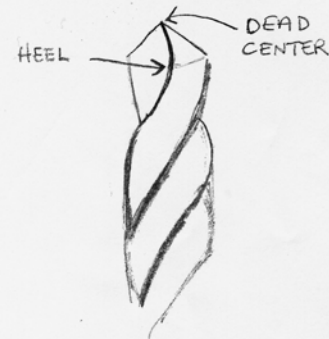
One of the more simplistic yet extremely handy tools is the hand file. File care should start with the storing of them, so that they do not rub or batter against one another. Rust and corrosion will dull them quickly. Cuttings that get packed in the gullets of the teeth will prevent the file from biting in. Tapping the file on a wood bench helps free the shavings caught, as well as using a wire brush with bristles help to remove the cuttings. A simple trick to help remove the stubborn pieces is to use a short strip of some soft metal, like brass or aluminum about 1/16" and 5/8" wide. Simply press the lower corner of the end of the strip down against the teeth and push it across in the same direction as the teeth are slanted. This will form a sawtoothed edge which will dig down into the teeth and clean them of packed metal. Finally, to keep your file sharp, going in one direction across your work will keep the cutting bite sharp.

Drill bits can be your best friend, when sharp and used properly, yet we have all been lazy at one time or another, and found our dull bit to take forever, maybe even producing that lovely gnawing loud squeal. There is a lot to know about this seemingly simple tool - the twist drill, including sizes, speed, lubricants, and tricks of the trade to learn how to grind a drill so it cuts easily.

First, just by examination of the twist drill look at the tip, it really isn't a point like an auger bit, but is actually a sharpened flat. This is called a dead center, because it really doesn't do any cutting, hence the reason for the punch mark, or why it ends up skating across the work piece. If you look at the drill from the side you will see that each cutting edge or lip, has a slope

of about 59 degrees to the vertical axis of the drill. The shoulder-like portion of the drill tip slopes on each side, back and down from the actual cutting edge. This is called the "relief" or "clearance angle" and is the most critical angle when sharpening a drill.

Without this angle, usually 12-15 degrees, the



drill simply will not cut. The grindstone is the best tool to use for sharpening. Its rotating abrasiveness combined with a swinging and rolling motion will produce the desired angle on the drill tip.

It also pays to avoid destructive practices of the twist drill. One such no-no is to use it to enlarge a hole just a slight bit smaller than the drill. You might for example, have a 1/2 inch hole that you want to open up to 9/16. Trying to run a larger drill into such a hole concentrates all of the cutting action on the extreme outer corners of the lips and flute margins. This usually causes a wedging and wearing action which reduces the diameter of the drill and causes it to bind. This type of job is best left for a reamer.

Drilling speed, and lubricant are another way to extend the life of your drill bits. The actual force that tends to burn or break the drill is a combination of both speed and feed. Using a lubricant will help cool the drill and lets the chips slide more freely. These chips that get wrapped (continued at bottom of next page)



## AABA Community Project: The Doves Program

The Doves Program would like to have us demonstrate at a charity event on October 24, 2009.

Doves is part of the Area Agency on Aging and provides a service to help women who are in abusive relationships.

This event will be held in Cave Creek at a nice home, there will be a bar-b-que, and western band. Our part will be to set up shop(s) and demonstrate our craft as well as have items for sale. When we make a sale a percentage of that would go to the Doves program.

We are also working on an item that we make and members of the Doves staff can sell to help offset the costs of the work they do.

For more info or be included E-mail Grizz:  
grizz@grizzlyiron.com

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*(Continued from previous page)*

around and stuck in the hole are culprits which can actually twist a drill off. Common drill lubricants are: a good grade of SAE 10 or 20 automobile engine oil, machining and a sulfur-based type lubricant sold as threading and cutting oil, turpentine or kerosene, for tough hard steels, lard oil for softer steels, kerosene for aluminum and other soft alloys, paraffin oil or drill dry for brass, and for cast iron drilling dry is recommended.

These are only two simple tools that we rely on in our shops, they take on a lot of abuse, but, with simple care and attention, they make our jobs so much easier.

Also, just a quick FYI regarding the use of shearing tools, which are great for short cuts in sheet metal. The best technique is to work the metal well up into the throat of the snips, cut about two-thirds of the way towards the snip jaw tips, and then advance the shears again. If you make a full cut to the end of the jaws you will wind up with a series of little notches or jogs in the metal which are hard to clean up.

## Dumb Things Not To Do

By Harold Hilborn

We were working in the shop the other day ( my helper and I ) and had just finished a project. I told him, "Finish the part with boiled linseed oil, rub it down with a rag and then go home". I had to leave and run some errands.

So he did exactly what I told him to do. What I did not explain to him was what to do with the rag when he was through with it. I also had never told him about spontaneous combustion of boiled linseed oil soaked rags, which I knew about, (ask Joe Hernandez for more details).

I came back from my errands about 2 hours later walked into the shop to a strong hot odor of linseed oil. I found the towel folded up laying on the floor next a gallon can of linseed oil and a can of mineral sprits. I know what some of you are thinking, " What kind of idiot keeps flammable material in his smithy?" I assure you I don't. I keep them in another building but sometimes things just don't get put back. Anyway, when I picked up the towel, it was so hot I could hardly hold on to it. Took it outside and opened it up; the whole inside was charred black but no flame. I was very lucky, to say the least, because all of this was laying next to my oxy- acetylene rig.

Well, I then grab the linseed oil can and read it. (Who reads warning labels anyway. Right? I new it was dangerous.) Sure enough there in big red letters is a warning about rags and what to do with them. It says to let them dry outside flat, and then rise with water before discarding.

So there you have it folks, watch those oily rags.

## Gallery



*This critter and the scorpion on the back cover were hiding in the back of Steve Fisher's truck at Skull Valley.*



*Calla Lilies by Grizz*



*Fisherman's door pulls from Ivan Hill*



*Fire screen and detail by Mary Ann LaRoche*





## Terry Porter

“This piece was done by learning in: AABA demos, workshops, and classes. All eight blacksmithing basics from *The Blacksmith and His Art* by J.E. Hawley were used. Several segments from *Mastering the Fundamentals of Blacksmithing* by Mark Aspery were used. Both books are for sale at the AABA merchandise table.

The three different plant stems were forge welded. The petals are held on by peining the top tenon, and all three stems are held to the base via tenons and peining, i.e., no electric welding. The petals were formed on a propane forge, everything else on coal.” Terry



*Many of you may not know our new secretary, Terry Porter. He is a guy who actually has a job and is not a professional blacksmith, getting to be a pretty rare commodity in AABA these days.*

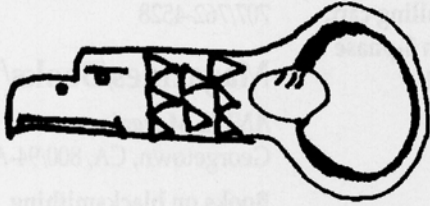
*The demands of job and family means he doesn't get a lot of time to forge, but luckily for us he agreed to put his professional skills to work for AABA. He actually understands computers and data bases. And he diligently searches out names, addresses, phone numbers and email so that each member will be sure to get their news. He has also done a great job keeping track of the BOD minutes and keeping them on track. Being the secretary is a difficult job, but Terry has it under control. And occasionally he gets to forge a little. Great job Terry and thanks.*



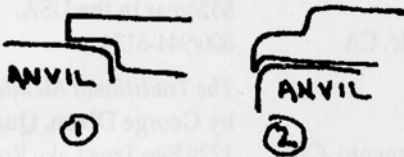


# Eagle Bottle opener

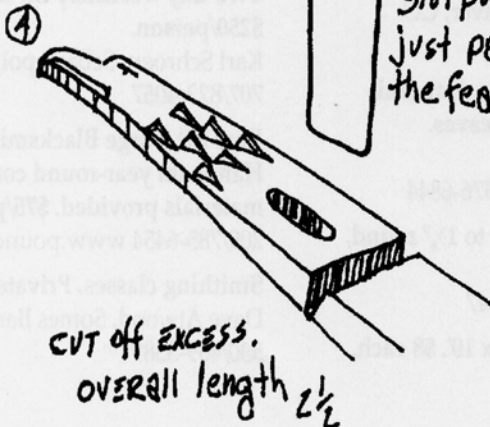
by *AMM*



$\frac{1}{4} \times \frac{1}{2} \times 6$ " mild steel  
forge handle end first



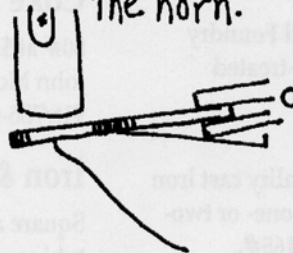
- ③ use center punch for eye & nostril. Chisel line over eye and to form jaw. A round punch ground into a triangle is used for the feathers.



- ⑤ UPSIZE SLOT TO square then drive a  $\frac{3}{8}$ " drift through. Repeat with a  $\frac{3}{4}$ " drift. Round off edges and open to 1" over the horn of the anvil.



- ⑥ forge out clip on the top of the horn.



- ⑦ wire brush & apply favorite finish.

from Pennsylvania Striker, March 2001

# Classifieds

Big Blu Air Hammer from Oak Hill Iron Works. Four sets of dies, texture, flatter, fuller and combo fuller/flatter. Like new condition, \$4000.

Classic Hobart TG-301 300A stick/tig welder, \$250. John Taroli (480) 216-2723

35 ton C frame mechanical press. Frame only. Would make a great hydraulic forging press. \$100.00 OBO  
Harold Hilborn 520-603-6723

Kinyon Simple Air Hammer , 75#. \$1500 OBO.  
Call Peter Sevin

L Brand Coke For Sale  
\$22 for 50 lb Bag  
Call 602-716-9660  
Rodger or Jason

S5 Tool Steel for Sale  
1", 1 1/4" and 2" Round Available  
12-14" Lengths. \$3 per pound  
Call 602-716-9660  
Rodger or Jason

New style Kinyon air Hammer  
"Mark 2". 30 Lb head weight, total hammer weighs 565 Lbs. This hammer was made to be portable, short and light weight It will run on a 3 Hp compressor. \$2900  
Ron Kinyon @ 602-568-8276

If anyone is interested in a side draft coal forge, but don't have the time to build your own, I would love to build one for you. Parts and labor cost will vary. Call Clark Martinek for details 602 323 4114.  
*See Page 13 of March AH for photo*

Two new/old e-books. Weiner Kunstschmiedearbeiten (1928) and La Fidelle Ouverture de l'Art du Serrurier (1627). Now eight titles are available on CD \$4 ea. Or all 8 for \$24 post-paid.  
www.hammerguy@bellsouth.net or Brian Gilbert, 3404

Classified ads are free to members and can be submitted by email to: danshammer@cox.net

## Sources

**Rocky Mountain Smiths** have videos available of their conference demonstrators. Most of these are high quality edited, multi-camera videos. For more info go to:

**Enco** Metalworking supplies.  
800-873-3626 or shop online at:  
use-enco.com

### Bar U Bar Supply

The source for anvils, post vises, and other new & used blacksmith tools. Barry Denton ph 928-442-3290  
email: barubarranch@gmail.com

**IMS** (formerly Capitol Metals). Full service supplier of Steel, Stainless, Brass, Aluminum, Copper. 5150 S. 48 ST. PHX. 602-454-1500

### Pieh Tool Company Inc.

Blacksmith Supplies, Coal, coke, & Kasenit #1 in 1# cans,  
661 Howards Road Suite J  
Camp Verde, AZ 86322  
888-743-4866 ,www.piehtoolco.

### Scottsdale Farrier Supply

Mostly farrier supplies, but has hammers, tongs and other blacksmith goodies. Ph. 480-838- 4455  
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**MSC Industrial Supply Co.** is a mail-order supplier of all kinds of industrial & metalworking supplies. You can get a 4500+ page catalog by calling 1-800-645-7270.

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Sells hard to get blacksmithing and knife making books. 800-743-4766 email: lar-

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www.brentbaileyforge.com

### Pacific Insulation Company

Supplier of high temp insulating materials. Bricks, Kaowool and other refractories. 215 S. 14 St. Phoenix. 602-276-1361

### Blue Moon Press, Ltd.

Metalwork books, some of which are only available through them.  
Bluemoonpress.org  
Toll free ph. 866-627-6922.

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Gilbert, AZ 85297

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*Steve Fisher brought this giant  
momma scorpion to the Bar-U-Bar.  
Made from steel, it measures well  
over 2 feet long with its tail stretched  
out (almost as big as some of the real  
ones we get in Chandler).*

