

RAM

September/October 2021



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Blacksmith Association of Missouri

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Editor

Mike McLaughlin

Contributing Writers

Santo Giuffrida
Bob Stormer

Contributing Photos

Bob Stormer
Mike McLaughlin
Bruce Herzog
John Sherwood

President's Message

Santo Giuffrida

Mailing Labels

Dennis Marshall

The Newsletter of the Blacksmiths Association of Missouri is published six times a year and is mailed to members of BAM. Editorial inquiries should be addressed to: Mike McLaughlin, 122 Milwaukee Ave., Lawson, Mo. 64062 816-296-3935 or send an email to: bameditor2015@gmail.com

The annual fee for regular membership is \$30/year; a portion of this amount is for a subscription to this newsletter for one year. BAM membership inquiries should be addressed to: Dennis Marshall 13410 A Highway, Liberty, MO 64068 busyman512@outlook.com 816-645-7237

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Membership Application

Name: _____

Address: _____

City: _____

State: _____ Zip: _____

Phone: () _____

E-mail: _____

New Member Renewal ABANA member
\$30 per year

Are you interested in taking a class?

How did you learn about BAM?

Memberships are for one year from receipt of dues. Dues are \$30, which includes a subscription to the bimonthly BAM newsletter. Please make checks payable to Blacksmith Association of Missouri

ABANA Membership Application

Primary ABANA Charter Affiliation: _____

Name: _____

Address: _____

City: _____ State: _____

Phone: () _____ Zip: _____

E-Mail: _____

New Member Renewing Member

Includes a Subscriptions to the Anvil's Ring and The Hammers' Blow magazines

Membership: Renewal **New Membership** *For Annual Membership-Renewal Date in One Year*

Digital \$55 / yr. Available world-wide, including North America. Publications will be sent digitally to the member's e-mail address on file. No print copies will be mailed.

Print \$65/ yr. Available in North America only (USA-Canada-Mexico). Publications will be mailed.

Membership includes FREE placement in a searchable 'Find a Blacksmith' database to connect to opportunities.

Check here to be included in the searchable on-line 'Find a Blacksmith Directory'

President's Letter

Hello BAM Members, hope you are enjoying our warm Fall. We had a good turnout at the Brady Steam Engine Show Grounds for our meeting. Bernie Tappel provided a timely demonstration with the next meeting trade item in mind. The weather was just about perfect and everyone seemed to be in good spirits as fun was had during demonstration and into business meeting as we learned Bernie does not like to make nails even though he forged one in one heat when requested.



Be sure to check out the business meeting minutes later in the newsletter as some new scheduled meetings were announced including one for a location we have not been at for many years.

Also like to again mention we are searching for a new Secretary to replace Robert Stormer, after almost eight years he would like to step down by the next conference. Therefore, if anyone is interested, please contact Steve McCarthy our nomination committee chair.

Look forward to seeing those that can make the December 4th Meeting in Festus MO. Remember to keep the rust off the anvil by using it.

Santo



BAM Meeting Minutes October 9th, 2021

Submitted by Bob Stormer

President Santo Giuffrida thanked Bernie Tappel for hosting the meeting at The Brady Steam Engine Show Grounds and for doing the demonstrations.

The membership report was presented by Dennis Marshall. The current membership is 562 plus one new member the day of the meeting.

Chris Miller gave the treasurer's report where he presented the current balance and concluded that we are in good shape financially.

Mike Gorzel presented 2022 BAM Conference status. Although members will have free registration they will need to register early, by April 1st, to take advantage of the free registration. If members register after the early deadline, there will be a \$15 registration charge. All registrants will be responsible for meals or classes. This free registration will only be offered for the 2022 conference. The three demonstrators are Lin Rhea, John Lovin, and Kirk Sullens. The stained glass and basket classes are expected as last year. BAM has special motel rates at the Comfort Inn and the new Hampton Inn.

Flyers will be available in November with all details. Dennis Marshall asked if the new membership application is included with the flyer. The answer was Yes. There will be two MTS classes, both will be beginner classes, there will be slots for 20 students. The raffle will have an anvil, 1 tool box donated by Howard Clark, and 1 new tool box made by Mike Gentsch. We will need tools made for each of them. There will be a TV set up again for the knifemaker demo like last year. This will be Michael Gorzel's last year as chairman. Ashley Farnsworth will take over and Michael will be around to help out, but additional volunteers to help Ashley for 2023 are being requested.

The theme for the 2022 BAM conference is Igniting Fire and Passion.

Bruce Herzog made a comment about members donating in-shop training sessions for the auction a long time ago and suggested it might be a good idea to do it again.

At the August 28th BAM meeting a question about whether BAM conducted classes qualify for the Tuition Assistance program came up. Additional research and a discussion at the latest BAM Officer's meeting resulted in deciding classes such as MTS classes and BAM sponsored classes like the Power Hammer workshop that Bernie teaches do not qualify for the TA program. These classes are already heavily discounted, and the TA program is intended to get talent from outside of BAM for the students to share with BAM members. The form on the BAM website has been updated to reflect this. John Dilsaver asked if there was a way to match prospective students with available classes. Classes are advertised in the newsletter and use of the Around-The-Anvil is good place to request or advertise a class.

BAM has been testing the use of Square to allow for credit card purchases at meetings in preparation for use at the 2022 conference. The testing has been very promising so far and we are expecting to have it set up by the conference. The officers have agreed to pay for the State Fair to provide a internet connection at the swine pavilion and the FFA building for the four days of the conference.

The next meeting will be December 4th in Festus, MO at Matt Dickson's body shop. Check the BAM website calendar for details of the location. The trade item is a candle holder.

The March/April 2022 meeting will be April 2nd in Doniphan, MO.

Santo also thanked John Dilsaver for working on getting another new meeting location in southwest Missouri. Tim and Mindy Johnson of Advanced Welding Ornamental Iron in Springfield has volunteered to host the December 3rd, 2022 meeting. It's been a long time since BAM had a meeting in that part of the state. More on that later.

The trade item for the Higbee meeting on February 5th will be a trivet. For the demonstration the BAM officers will combine their talent to make a trivet.

The June 25, 2022 BAM meeting will be at a new venue, a pioneer homestead and village in Rosebud Missouri. More details to come, but something to look forward to.

Santo's wife Geralyn has finished sewing the table coverings for use at the State Fair Blacksmith tent and they were provided to Hollis Harbit to store in the trailer.

There is one outstanding item to purchase a spare tire and wheel for the conference trailer. Santo will work on that.

Karen Bouckaert asked everyone who goes to other blacksmith conferences and sees potential vendors to add to our conference to please ask them if they would be interested in coming to ours. She is trying hard to grow our list of potential conference vendors.

Santo mentioned that the BAM Secretary, Bob Stormer, wishes to be replaced after seven years. Anyone interested contact Steve McCarthy or Santo. You can also contact Bob Stormer or Santo if you have any questions about duties. You'll need to be a member for one year and we recommend that you have internet access.

The meeting was adjourned.

Editor Notes

Here is another one I hope you enjoy.

Don't forget to check out the free to download books on the website. There is a lot of good information and it's free.

While you are on the website do sign up for the Around the Anvil e-mail newsgroup. Ask questions, get answers, and updates on things that are going on.

Do please send me pictures and a description of things you are making.

Please raise your hand and volunteer. We always need help at the conference. Then there is those officer positions that need to be filled when terms run out.

If anyone has one of those "Bufco" Blowers you would like to get rid of real cheap. Let me know.

Thanks,
Mike McLaughlin

Bernie Tappel Demo: Colonial Candle Holder

Written by Mike M. Photos: Bob Stormer, Bruce Herzog, Mike M.

The trade item for the December meeting is a candle holder. Bernie demonstrated this one to give folks an idea of what you can do.

He also had a table full of other styles to give ideas. He gets a lot of his ideas from the Jerry Darnell books. These are available on the BAM website in the tailgate section.

The materials are 2pcs. 1-1/4" x 3/16" x appx. 8" long. 1pc. 3/8" square 18-20" long.

The first step is to forge the arms and the candle cups. He is using a butcher, set hammer, and a flatter. John Coates is the striker.



John also makes some good cookies. The 1-1/4" x 3/16" bar needs to be marked from both ends 2" inches in. He marked the edges cold on a hardy tool. Then used a butcher with John Striking to start the shoulder that will be needed for the candle cups.



(1) Butcher both ends and sides. He wants the center to end up about 1/4" thick and 1/2" wide. Do not butcher all the way to your finish dimension. It could cause a cold shut in the corner. You will clean this up with the set hammer after drawing out the center.



The power hammer made drawing out the center a lot quicker. (2) Be careful to not get a fold in the material. The width of the bar is more than 3 times the thickness of the steel so that makes it a little harder. He used the Set Hammer and a sharp corner of the anvil to clean up the inside corners. (3) Then a flatter to smooth everything out. (4) Then break the



corners to get rid of sharp edges. You should end up with 8" between the 2 candle cup ends. Do the second piece the same.

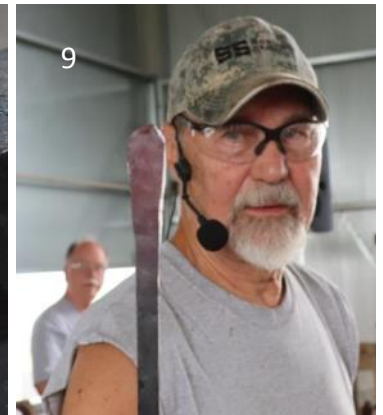
The second step is to increase the width of the ends to create the candle cups. Bernie used the power hammer. (5) You should end up with appx. 2-5/8" wide by 2" tall. He has a metal template to check this. Always start in the middle and work your way to the outside edge. It will end up pretty thin, so be careful to not burn it up. (6) He goes a little bit over size and then shears, files, or grinds to the finish dimension. (7) If you a good



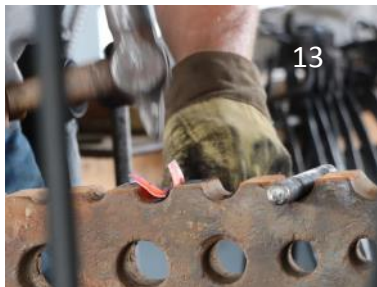
with your hand hammer you could hit the dimensions and not have to grind.



Third is to prep the upright for welding the candle cups to it. Upset one end.(8) Keep the heat short to help with upsetting. Bernie used the vise to do this. Upset as much as you can then straighten and do it again until you reach the desired amount. After upsetting he forged it into a kind of flat beaver tail shape to get it ready to forge weld the candle arms to it.(9) Then draw the other end out from 3/8" to about 5/16" into a long taper starting at the center all the way to the end. He used John and a flatter to clean it up. Cut it off at 20". Then used 3" of it forged to about 1/4" round to make a loop on the end.(10) Prepare with a scarf to weld the end in a loop.(11-12) Bernie mentioned throughout the demo about keeping a fair amount of green coal built up around the edge the fire pot. He wants to be sure to have enough coke to forge weld. Heat, flux, and weld it.



Next is rolling up the cups. The mandrel he uses is 3/4" round with radiused edges and a depression the shape of a rivet in the center. The depression is to back up a rivet if you are going to rivet a candle cup to a project. He starts to roll the cup with the peen of the hammer in the swage block.(13) Once it is closed some he will use the mandrel and swage block to finish the form.(14) Leave them sticking straight out you will need them like this to help with forge welding to the upright. You will then cut one of the candle assemblies in half. Scarf and prep the ends to be forge welded.(15) The other one will be bent in half around the beaver tail end of the upright.(16) He bent them so they would line up with the upright.



Use offset tongs that will fit inside the candle cups and hold it all together tightly. Then weld this assembly.(1) Use the same tongs and weld the single cups one at a time to the assembly. Shape the end into a nice square tapered point.(2 -3) Heat up the arms of the assembly to the candle cups. Clamp the point in the vise use the mandrel in the cup to help bend the arms out.(4) Try to make them all look the same.(5) Use a file to scrape off any excess flux. Warm up your can of beeswax, turpentine, and linseed oil. Heat your piece to a black heat. Brush on the finish and let the smoke from green coal coat it.(6) Wipe off any excess finish. Let it cool and polish if you wish. There is a total of four forge welds in this assembly. Bernie mentioned many times about the importance of keeping a lot of coal banked around the edge of the firepot. You want to be making a lot of coke.



After the candle holder demo Bernie gave another forge welding demo. This one was a drop tongs weld. He uses Crescent, which you can't get anymore and Ez-weld flux. These fluxes don't melt at as low a temperature as borax will. You have to be careful with it in the fire to keep from knocking it off before it melts on the steel. You want to do a dry run before you actually weld. Practice your moves from the fire to your anvil until you are comfortable with it. Heat the pieces to a welding heat. Place the bottom piece on the anvil, lay the top piece on it to hold it down. Drop the tongs for the bottom one and pick up hammer and weld.

A proper scarf is important to have a successful weld. The one pictured works well to join two pieces end to end. Make sure it is as thin as possible at the end of the scarf. It helps with the initial grab and with blending to the other piece.



He also made a tool to help you know if you are at a welding heat. He took a piece of 1/4" round and tapered the



end like a beaver tail. Make the edge as thin as possible. While you pieces are in the fire you can touch this to them if it sticks a little bit you are probably right there if it doesn't you probably need to let it soak more.



Last thing was making a nail with a copy of his trade item. He let us know how much he does not like making nails. He has made some tooling to make them on his Bradley power hammer.



Trade Items: Nail header



Bernie Tappel to Mike Morton



John Dilsaver to Willie Bagley



Chris Miller to John Sherwood



Steve McCarthy to Don Anders



Santo Guiffida to Bernie Tappel



Don Anders to John Dilsaver



Jeremie Howell to Santo Guifrida



Chris Bopp to Jeremie Howell



Willie Bagley to Chris Bopp



Dennis Marshall to Chris Miller



Mike Morton to Steve McCarthy



John Sherwood to Dennis Marshall



Candle Holders made by Bernie Tappel



Mobile Training Station (MTS) News

Written by Mike M. Photos John Sherwood

Don Anders has been working on a new project for the MTS program. He is working on expanding the program from just beginning classes to a few more advanced. It is an 8-bar pass through grill made from ¾" round bar. The grill was inspired by a two-part article in ABANA's Hammer's Blow winter of 2010 and spring 2011. He did a test run with John Sherwood, Mike Morton, and John Dilsaver. There is still a little to be worked out, but it was successful. The cost may be a little bit more than the beginning classes (materials) but it would still be very reasonable.

For more information and to inquire about setting up a class please contact Don at 636-295-2451, donald.anders636@gmail.com.



John Dilsaver, John Sherwood, Mike Morton



Don Anders original project and inspiration.



Bufco Forge Blower Rebuild

Written by Mike McLaughlin photos; Mike M.

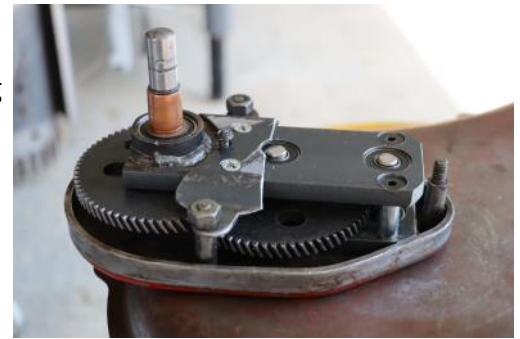
I received a Buffalo "Bufco" sheet metal blower about 10 years ago. After trying it out I understood why it was free. It had bushings instead of bearings and they were worn out. The gears were still good and the shafts were a little undersize but still usable. Putting in new bushings would have been a pain and it still would not have worked very well. After a little thinking and measuring I figured I could rebuild the guts using ball bearings and it would still fit in the original housing.

I drilled out the spot welds that held the gear box to the blower shell. I removed all of the bushings and milled the bosses on the back plate flat to make room for the new bearing assembly. I used 5 - 7/8" OD x 3/8" ID x 5/16" and one 1-1/8" OD x 1/2" ID x 3/8" thick sealed bearings. The large one is for the handle it is 1/2" on that side.

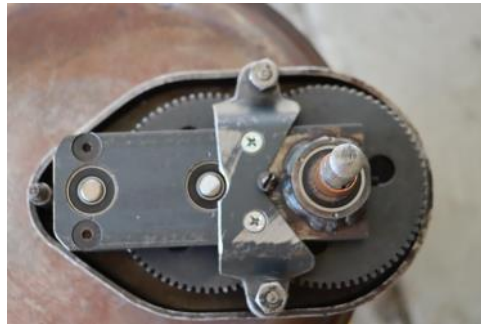
I used 2 pieces of 2" x 3/8" x 5.25" long flat bar to hold the bearings. I welded on some bosses (appx. 1/2" long) where the blower shaft and handle stick out to get the bearings closer to the load. The shafts need to be 2.5" on center, so I laid that out on one of the bars and made sure I had the bosses lined up to bore them. I tack welded the bars together in the correct orientation and loaded them in the mill. I drilled the holes .812" then came back with a boring head and bored the holes for a slip fit for the bearings. I bored all three holes then took the bars apart and bored the handle bearing out to 1-1/8". I pushed the bearings in and staked them so they won't come out.



The spacing between the bearing plates turned out to be 3/4". I used 2 bushings on the blower end of the assembly with 1/4" - 20 flat head screws going through. I cut off part of the original bearing plate to use to support it near the handle. I used 10 - 32 screws to attach the bearing assembly to the blower shell. I had to enlarge the hole in the back plate and the shell for the bearing bosses to fit through. I also had to enlarge the hole in the gear cover for the handle bearing.



After all this the blower works great. The weight of the handle will turn it now. It only needs a little bit of oil for the gears once in a while. It cost about \$70 in bearings and screws. A little shopping around might make it a little cheaper.



I wanted a portable forge that I could take apart and lift into the back of my truck by myself. This lightweight blower helps that cause.



Then I had to make a forge that is portable also. Everything came out of my scrap pile except the tuyere and some exhaust fittings to connect the blower to the firepot. The firepot is 7" channel that is 1/2" thick. It is about 8" long. Has 1/2" plate welded to the ends at an angle. Used 3" and 2" pipe for the ash dump and air inlet. The tuyere came from Blacksmith Supply. The forge table is 20" x 22". The blower is attached by 1" square tube that just slides in. The firepot forge table all lift off of the legs which just fold up. It just needs paint.



Missouri School of Blacksmithing 2021 Conference

Written by Bob Stormer

Matthew Burnett, owner and operator of the Missouri School of Blacksmithing, conducted his second annual Conference over Labor Day weekend 2021. This was also the Grand Opening of the Missouri School of Plain and Practical Living Skills. While the weather was damp, we avoided any actual rain during the activities. The Conference opened on September 2nd with a Bronze Casting class taught by Mark (Thomas) Sampsel. This class lasted all three days of the Conference. Mark Lawson taught a Blacksmithing Sampler class on Friday, as well. Saturday, September 4th was the final day of the Conference and was open to the public, and was dedicated to the demonstration of blacksmith related skills, and a showcase of other life skills.

Some of the life skills exhibits were maple syrup harvesting, bee keeping, leather work, and spoon carving. The Joseph and Sarah Appleton family brought the equipment and a video, showing how they tap maple (and walnut!) trees for the syrup. Bill George of Crooked Hill Beekeeping, had his model hives and paraphernalia on display and was available to answer questions from the attendees and other exhibitors. Tom Petty (not the musician) had a wonderful display



of his leather craft talents, and carved wooden spoons. His products are sold under the TAP & Co. business name. There was also a young fella named Eli Arnold, who was doing some tailgating with a



nice collection of axes and other cutting items. This was just a small sample of the many other crafts and skills classes that will be offered at the Missouri School of Plain and Practical Living Skills.

The focus of the day was the demonstration of forging a fish gig, a demonstration of modifying a production grade hammer to make it even better, and a lecture and demonstration of oxy-acetylene welding safety and setup tips. The demo that drew the most attention was the final preparations for pouring of the bronze in the molds that were made in the previous two days of the bronze casting class, and the breaking of the molds to reveal the castings. There were also two forging contests, the first was entrants making whatever they wanted from a selection of scrap in 30 minutes, The second was entrants starting with a 6 inch long piece of ¾ square bar of steel and making the largest leaf, length and width, in 15 minutes using a spare tire power hammer.

The gig making demonstration on Saturday was by Anthony Martin. Gig making and the cultural tradition of giggering (and eating) fish has been a tradition in the Martin family. Anthony's grandfather is the one who taught gig making to Joe Ray Hastings, who in time, taught it to Anthony. Anthony is trying to keep his gig making true to his grandfather's method. He said he





is just getting started and still has a lot to learn, but he is determined to keep gig making alive in the Martin family. He brought many examples from 2 to 4 tines, and showed the process of splitting with a chisel, rolling the socket for a handle, and cutting the barbs.

The next demo was by Charlie Comstock, primarily known as a farrier. In this case he was modifying a rounding hammer bought from Nordic Forge. He says this Nordic Forge hammer is the best rounding hammer you can buy for \$40.



In the modification Charlie changes the shape of the eye to be tapered for both directions and larger than the original eye. He doesn't like the stock handle, so he changes that too. He also deepens the fullers that separate the hammer ends from the eye. He does enough of these hammer mods to warrant making a few



specialized tongs to grip the hammer head better for the changes he makes. He also made a bolster to hold the head while he was modifying the eye with a homemade drift. Charlie had the largest anvil I had ever seen at a portable forging setup. It weighed 480lbs. Charlie also makes tongs, and had some at the conference, but I didn't see him make any there.



Another very helpful demonstration was about the safety of Oxy-Acetylene welding. Rick Cowman is President of Welding Training Solutions, Inc., and gave a very informative lecture about the hazards acetylene gas introduces to the shop area. He didn't have a demo of actual equipment or procedure failures, but explained the dangers in common layman's terms. He showed us how to extend the life of the regulators by releasing pressure when finished using the equipment for the day. Too often people leave the regulators as used because they don't remember how to adjust them next week when they go to use them again.



He also spent some time on the sequence of what valves to open. Before opening the tank valves, acetylene only about a 1/2 turn, and oxygen all the way, make sure the torch valves are both closed. Then open the acetylene torch valve slowly and just enough to light the torch with a "striker". Adjust the acetylene torch valve to just barely get rid of the black smoke. Then gently open the oxygen torch valve until



you get a blue flame. To turn the torch off, close the oxygen torch valve first then the acetylene torch valve. Rick also demonstrated welding 1/16" steel plates, brazing the same 1/16" steel plates and cutting 3/8" steel plate and 1/16" steel plate. When he cut the 3/8" plate he leaned the cutting torch back at about an 85° angle. When he cut the 1/16" steel he used the exact same torch settings, but laid the torch back almost parallel, probably about 10° from parallel, to the plate and moved the torch very fast, and got a very smooth edge.



The next demo, which I think was attended by everybody at the Conference, was casting of the bronze pieces by Mark Sampsel. Mark had taught the class where the 7 wax sculptures were made and the castings poured to enclose them. Mark started burning the wax out of the molds Friday evening, and that process lasted until mid-morning Saturday. All seven molds were removed from the furnace that was used to

melt and burn off the wax. They were stood upright in a deep metal pan with the “fill” holes pointing up. Sand was packed around each mold up to about 2/3 of its height to prevent the molds from blowing out when the molten tin/bronze is poured in them. A board was used to cover the “fill” holes and prevent dirt and moisture from getting in the molds until the tin/bronze was ready to pour. Mark had a crew of 5 helpers during the actual pouring. (Mark Lawson, Matthew Burnett, James Brown, John Schonfeldt, and Eric Spurgeon). The area they had for this activity was about 20’ x 20’. The kiln, which was propane fired with a blower, was used to melt the bronze in the crucible to over 2000°, was in the back part of the area, for safety reasons. Mark was continually checking to make sure all the bronze in the crucible was the correct temperature before he started the pour. He also was cleaning out the junk that floated to the top of the molten bronze. They used special two-man tongs to lift the crucible from the kiln and set it on a ceramic plate in the middle of a ring that would cradle the



crucible. There was another set of two-man tongs welded to the ring that would allow them to tilt the crucible for the pour. In addition to the two men pouring the molten bronze, there was another guy with a hook over the lip of the crucible to keep it from falling out of the crucible holder when tilted. Mark was also using a long-handled scraper to help get the molten bronze from the crucible. After all 7 molds were filled to the top of the fill hole, the excess bronze was poured into some ingot molds for use on future projects. There were 3 ingot



molds available and 2 of the 3 had to be emptied so they could be refilled with more excess bronze. I was surprised to see that after just a few minutes in the ingot molds the bronze was hard enough to hold its shape when dumped out of the ingot mold. The casting molds were allowed to cool for about an hour before they were broken away from the castings. None of the castings had a lot of volume. In addition to the sprues used in the molds to guide the molten tin/



bronze to the actual art piece, a lot flashing etc. needed to be cut off. None of the castings were totally cleaned up before I left, but the three included photos give you an idea of what they looked like. I believe the leaf with a face on it and the horse head were made by Mark Sampsel, and I think the bell was made by Matthew Burnett.



BAM’s own Mark Lawson won the \$300 Gift Certificate, he can use for any blacksmithing class in 2021 or 2022, or any

class at the new Missouri School of Plain and Practical Living Skills in 2022. It was a fun and educational day, concluding with the Power Hammer Forging Contest. There was something to be learned by everybody. Even the demonstrators were watching the other demonstrators. The life skills will likely be a bigger part of the conference next year. Hope to see you at the Missouri School of Blacksmithing Conference in 2022!

October 2021 BAM Meeting Iron-In-The-Hat

Donated by	Won By	Item
Bill Paulson	David Rosemann	Hay Rake Tine
Bill Paulson	Jeremie Howell	Coil Spring
Bill Paulson	Mark Sampsel	Saw Blades
Bill Paulson	John Sherwood	Saw Blade
Mike McLaughlin	John Schonfeldt	RR Something
Fred Arnhold	Hollis Harbit	3 pieces of D2
Bill Paulson	Steve McCarthy	Sharpening Stones
BAM	Willie Bagley	BAM T-Shirt
Bill Paulson	Hollis Harbit	Timing Chain
Patti Tappel	Willie Bagley	Anvil Tape Measure
Scott Stager	Mike Morton	Flywheel
JOHN HUFF	Chris Miller	Horseshoes
Dennis Marshall	Chris Bopp	Drill Bits
Don Anders	Fred Arnhold	Rasps
John Schonfeldt	Chris Bopp	2 Metal Buckets
John Murray	Mike Morton	Forged Soup Ladle
Hollis Harbit	Jeremie Howell	3/8 Round Stock
Bob Stormer	Ashley Farnsworth	Tap
Jake Jacobs	Chris Miller	Coil Spring
Bob Stormer	Chris Bopp	Pipe Section
Mike Morton	Paul Talaski	RR Spikes & Mower Blades
Fred Miller	Fred Arnhold	Gloves
Chris Bopp	Steve McCarthy	Coil Spring
Bob Stormer	Jeremie Howell	Cable
Karen Bouckaert	John Sherwood	Metal Track
Karen Bouckaert	Bob Stormer	Plastic Buckets
Karen Bouckaert	Steve McCarthy	IV Pole
John Sherwood	David Rosemann	Gas Forge Parts
Andrew Herzog	Mark Sampsel	6 Arbors
Willie Bagley	Hollis Harbit	Metal Rods



Tuition Assistance Application

Name:

Address:

Phone & Email:

What class or event do you wish to attend?

Where:

What is the Cost?

Tuition:

Travel:

Lodging:

Other:

Briefly, describe how attending the particular class/event will advance your Blacksmithing skills and be helpful in promoting the craft of Blacksmithing. Identify the specific skills you expect to learn during this learning experience. (Additional pages if necessary)

I understand that as a requirement of receiving this assistance, I will be required to submit an article about the education experience attended with appropriate notes and diagrams of the items made or techniques learned in the class to the Scholarship committee to be reviewed and published in the BAM newsletter no later than 3 months after attending the event AND within 1 year of the event, I will present a demonstration of the newly learned skills at a BAM meeting or complete a video to be placed in the BAM library.

One third of the total assistance amount will be awarded before the event, one third on submission of the article to the Tuition Assistance Committee, and one third after presenting the demonstration or video at a BAM event.

I understand that I am responsible for payment to the school or event.
The assistance is a reimbursement of the approved costs listed above.

Send tuition assistance applications to:

Orry Harbit 217 Phelps Street Windsor, Mo. 65360 660-287-5917

This page may be printed

New Members

David Roseman
Harry Trice
Hunter Cox
Larry Lymer
Brian Stice
Jon Bach
Jeff Collins
Anthony Martin
Joel Muenks
Joseph Papin
Allen Radtke

Calliber Collision Center
Chris Green
Evan Riesmeyer
Charles Pattyson
Marvin Weirich
Brad Schneider
Corey & Riley Walker
Shawn Walker
Kaylon Haefner
Joseph Driscoll
Johnathan Roberts
Greg Humphrey

Missouri School of Blacksmithing

Class prices, descriptions, prerequisites,
and skill Levels are in the catalog.

Give us a call for more information, or to receive a catalog!

Matthew Burnett
Missouri School of Blacksmithing
3100 NW Winchester Road Cameron, MO 64429
816-575-2798

Beginner & Intermediate classes are being held at Mueller Industries (via Craft Central), 12951 Maurer Industrial Drive, St. Louis, MO 63127
To see class listings or to register for classes, visit our website, craftstl.com
For more information call 314-842-0796 or email;
Brendan@muellerstl.com

Matthias Penn is offering introductory & beginning blacksmith classes. 417-543-2148
Tytheblacksmith@yahoo.com Ava Mo.

Tong Making Class-Weekend Course, 4 people per class - \$125 per person. Contact: Charles Comstock,
Rt.1 Box 20, Deerfield,
MO. 64741 (417) 927-3499, or (417)-321-2286 cell

Oldschoolcrafts Blacksmith School, Joe Davis 12625 Lawrence 1175, Mt Vernon, MO 65712 phone 417-461-0387 on the web www.oldschoolcrafts.org E-Mail oldschoolcrafts@hotmail.com

Upcoming EVENTS

November 26th, 2021 Ken Jansen's Black Friday Hammer In. 2257 Carter Rd. Moscow Mills, Mo. 63362 Lunch available.

December 4th, 2021 - Meeting - Matt Dickson
Caliber Collision Center 1532 Parkway West, Festus, Mo. 63028
Lunch available.
Demonstrator: Bob Alexander
Trade Item: Candle Holder

January 1st. 2022 Pat McCarty's Headache Hammer In. 333 Haley Ridge Lane Washington, Mo. 63090 Lunch Available.

February 5th, 2022 - Meeting - Dale Kirby - Higbee, Mo.
Lunch available. Trade Item: Trivet

March 19th and 25th BAM Mobile Training Station. Ray Scott 20588 St. Rd V, Eminence, Mo. 65466 Beginning Blacksmith classes. Contact Don Anders 636-295-2451

April 2, 2022 - Meeting - Tom Kennon Blacksmith Shop 200-298 Franklin St. Doniphan, Mo.
Trade Item: TBD

30th. Annual BAM Ozark Conference, Sedalia Mo. April 28th. - May 1st. 2022 *
Demonstrators: Kirk Sullens, Lin Rhea, and John Lovin
More details will be published when they become available.

June 25th, 2022 - Meeting - Clyde Welch Welding Shop and Pioneer Village
3564 Hwy. T, Rosebud, Mo. 63091

December 3, 2022 - Meeting - Advance Welding and Ornamental Iron. 651 S. Kansas Ave.
Springfield, Mo. 65802
Lunch and trade item TBD

***To Celebrate our 30th BAM conference, members who pre-register by April 1, 2022, will not need to pay registration fee.**

Members who register late will need to pay the late fee, but not registration fee. Members will still be responsible for fees related to meals, classes, or other conferences expenses. If you are not a member you can join by paying the \$30.00 membership fee and avoid the registration fee. Registration flyer to be published later in the year.

Coal Stations

Coal Captain: Bob Alexander

BAM COAL

Price per bag:

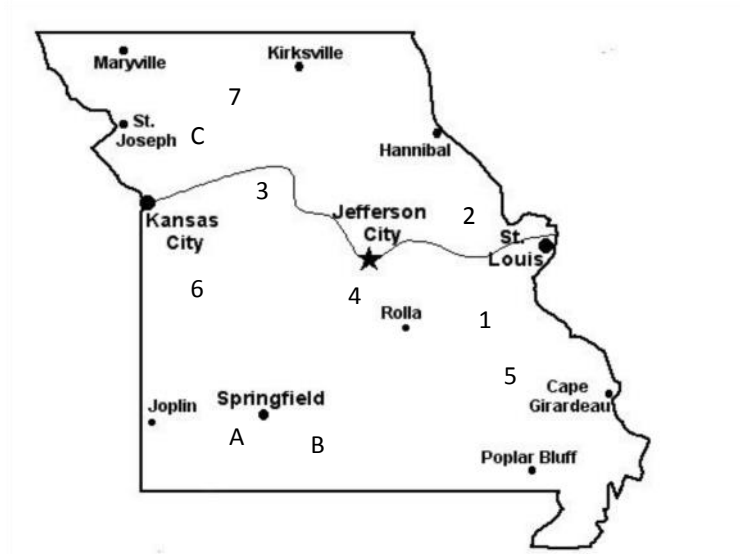
BAM Members \$15.00

Non Members \$20.00

Member's pickup at Bob Alexander's - \$13.00

Coal keepers earn \$3.00 per bag

Bags are approximately 50lbs. each



1. Bob Alexander (636) 586-5350
14009 Hardin Rd.
DeSoto, MO 63020
2. Ken Jansen (636) 295-8490
2257 Carter Rd.
Moscow Mills, MO 63362
3. Doug Clemons (660) 631-1257
29377 Durango Ave.
Malta Bend, MO 65339
4. Bernie Tappel 573-496-3793
204 Hidden Valley Road
Jefferson City, MO 65101
5. Bob Maes (573) 866-3811
Route 1 Box 106 K
Millersville, MO 63766
6. Bryan Lillibridge (660) 638-4536
1545 NW 300
Urich, MO 64788
7. Bill George (660) 247-0426
19133 LIV 355
Chillicothe, MO 64601

A few notes on our coal:

- 1) Not all coal is created equal. The coal we buy is from the West Virginia to Pennsylvania vein and is a high metallurgy grade unlike coal from other areas.
- 2) Raw coal from the bagging company is stored outside which allows it to get rained on, (rain is water which weighs 8.4 pounds to the gallon). If the coal is bagged wet and then dries out the weight will change.
- 3) The coal fines which when mixed with water to form a paste burns along with the chunks of coal but during shipping and handling may sift out of the bags causing a weight loss.

So, the bottom line to all of this is we are selling coal in approximately 50 pound bags.

Non BAM Coal

- A. Tim Johnson @ Advanced Welding, Springfield, MO. 417-886-8032 - Pocahontas Coal \$.40/lb. cash, \$.50/lb. check/debit. Bring your own containers.
- B. Blacksmithing Coal for sale \$12 per approximate 50 lb. bag with bulk delivery available. Matthias Penn, Rt. 1 Box 479, Ava, MO. 65608. 417-543-2148. Or e-mail tytheblacksmith@yahoo.com.
- C. Coal for sale \$15 per approximate 50 lb. bag. Missouri School of Blacksmithing Matthew Burnett 816-575-2798, 3100 NW Winchester Rd., Cameron, MO. 64649

BAM Tailgate

Buy, Sell, Trade

Individual Classified ads:

For Sale: 1 Steel layout table: 27 in. x 39 in. No stand. Asking price \$75.00
ESAB, PCM-750i L-Tec plasma cutter. 50 amp output. 220v single phase 50 amp input. Thermacut PT-23 torch with 12ft. Leads. Asking price \$750.00
Don Birdsall 636-293-6939

BAM Books from Jan/Feb 1994 - Present & binders for sale. Contact James Conway 563-366-4244

Commercial / Resource ads:

Roller Blade Treadle Hammers (Clay Spencer design) for Sale or Workshops led to build hammers. Bob Alexander, e-mail to scruboak4@netzero.com, or call 636-586-5350.

Tire Hammer Plans by Clay Spencer
Send Paypal for \$30 to clay@tirehammer.com Or check/money order to 73 Penniston Pvt. Dr. Somerville AL 35670. I can mail a copy or email PDFs.
Beverly Shear blades sharpened. Remove blades, mail in small flat rate box, include check/money order for \$50, Includes return postage. clay@otelco.net, 256-558-3658

Information / Education:

Missouri School of Blacksmithing

Cameron, MO
Instruction by Matthew Burnett
Group and Individual classes offered.
816-575-2798

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Blacksmith's Journal, Instructional back issues by Jerry Hoffman are available online at www.blacksmithsjournal.com

Classes offered, The Ornamental Iron Shop
Contact the instructor to register and customize your class. John D. Thompson – Metalsmith
3923 Hwy 25; Hodges, SC 29653 864-374-3933

Classes at Pieh Tool Company, Inc. - Camp Verde, AZ Call for more information and to enroll: (928) 554-0700 or (888) 743-4866.
www.piehtoolco.com.

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Tytheblacksmith@yahoo.com

Oldschoolcrafts Blacksmith School, Joe Davis
12625 Lawrence 1175, Mt Vernon, MO 65712 phone 417-461-0387 on the web www.oldschoolcrafts.org E-Mail oldschoolcrafts@hotmail.com

David Norrie blacksmithing school in Colorado
David Norrie 970-215-4666 www.davidnorrie.com
www.forgewithintention.com

Power Hammer page

I've taken some time to collect and post old info, catalogs and brochures on power hammers. The link of our NEB web page to this information is: <http://www.newenglandblacksmiths.org>

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Phone: 402-873-6603

Email: contact@littlegianthammer.com

US mail: 48182 SW 32nd Rd. Odell, NE 68415

Forge-Aprons offers many different styles of leather blacksmith aprons; the Original bib, the Short bib, the Full-Cut bib which offers greater chest coverage, the Lap apron, three sizes of Kid's aprons, a Budget apron, a Women's cut, and Aussie Forge aprons.
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Contact Heather & Jon McCarty if you are wanting custom t-shirts with your logo. We are able to produce custom vinyl, screen-print, or sublimated products. Contact us at hmcrafty@gmail.com or 636-359-1232. visit us on FaceBook at **Craf-Tee Creations**

Wanted:

Blacksmith business cards. I would like to put together a collage of Blacksmith business cards. Bring them to a meeting or mail them to me. Bruce Herzog 2212 Aileswick St. Louis, MO 63129

Demonstrator List

Fred Weisenborn has started a list of members available for demonstrations, fairs, historic events, and festivals, etc. 417-589-2497 e-mail: jweisenb@llion.org

Around the Anvil BAM has its very own E-Mail news group. If you would like to participate there is a sign up link on the bamsite.org or send an E-Mail to Terry Humphries at thumphr@south40.org and he will get you signed up.

Ad Policy: Blacksmith related ads are free to BAM members. Personal ads will run for two issues. Resource ads are ongoing at my discretion. Send to BAMeditor2015@gmail.com, or call 816-296-3935

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Thank You for your Donation.



BAM
P.O. BOX 127
DONIPHAN, MO. 63935

Please send changes to Chris Miller, P.O. BOX 127 Doniphan, MO 63935

Next Meeting: December 4th, 2021

Hosted By: Matt Dickson
Caliber Collision Center 1532 Parkway West, Festus, Mo. 63028
Lunch Available
Trade Item: Candleholder

