





July / August 2020 Volume 37, No 4

Blacksmith Association of Missouri

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President's Message

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President Report

By: Santo Giuffrida

As the new president, I would like to introduce myself to those that do not know me yet. I became interested in BAM in 2013 after Pat McCarty gave me an old BAM Newsletter at Silver Dollar City Fall Festival and invited me to his January Headache Hammer In. I have enjoyed Blacksmithing and the membership ever since. Fortunately, my wife enjoys the group and learning about blacksmithing as well. We have two grown daughters and a seven-month-old granddaughter. I retired after 30 years in finance from Boeing and still live in St. Louis County.

I wish to express thanks to Steve McCarthy who has been very helpful getting me up to speed on the role of the president. Since being elected, a lot has happened and there is more to come. I am sure much of that will be covered in the August Meeting Minutes. Again thank you to Willie and Tammy for hosting the meeting. I had a great time. Similar good time was had in July at Bernie and Patti Tappel's Hammer In. Considering the COVID environment, I was impressed with the turnout at both events.

On the sadder side, I wish to acknowledge the passing of Kent Harbit and my condolences to the family. While his passing has left some holes to fill in our organization, I am seeing the membership step up to fill them.

We still need to replace our editor as the husband and wife team wishes to step down. If you have any interest or wish to know more information, please contact Jon McCarty or myself. Don't be intimidated by printing or distribution as we have a vendor for that. There is some writing about demonstrations, obtaining articles on how to create blacksmith items or tools. Other members provide most of the pictures and many articles. You then assemble and proofread in the software. Also note, it is paid position.

I am hoping by the time this letter is published, COVID 19 will be more under control than it is now (Mid August). I understand and respect everyone's comfort level with their meeting participation during these times. Hopefully you can stay in touch through the Newsletter, Website and Around the Anvil email forum.

Most importantly get out to the forge and try something new.

Santo



Meeting Minutes ~ August

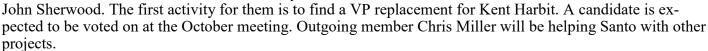
By: Bob Stormer

BAM President Santo Giuffrida opened the meeting with the ringing of the anvil for four fallen BAM members, Tony Brooks, Kent Harbit, John Huff, and Lou Mueller. The ringing of the anvil historically was done at the annual conference.

Santo then asked previous BAM President Steve McCarthy to present Kent Harbit's two sons with the BAM Life Membership award for both Kent and Deanna.

Santo then started the business meeting by presenting the treasurer's report for Bruce Herzog who couldn't attend. The membership fell by 2 since the June meeting. We also received the refund for facility rental from the State Fair administrators for the cancelled 2020 BAM Conference.

The Nominating Committee now consist of Mike Gentzsch, and new members, Steve McCarthy and



Mike Gorzel, BAM Conference Chairman, couldn't attend the meeting so Santo reported that some new ideas for conference registration are being considered. We are also going to try a new idea of using a large screen monitor to show a live close-up video of one of the demonstrations. This would enable more people to see details of the demos that currently can't be viewed except by those who can huddle around the anvil. If this works, it may be expanded to more than one demonstrator at later conferences.

Santo had planned to also start looking for someone to take over as coordinator for the BAM activities that Kent preformed for many years at the State Fair. Santo learned earlier in the morning that Hollis and Kent's family will continue with that important project. Many thanks to them as this is wonderful exposure for the BAM organization to people who couldn't otherwise see what we do.

We are still in need of a new BAM newsletter editor to replace Heather and Jon McCarty who have filled that position for the last five years. This is one of two paid positions in the BAM organization. The editor gets \$150 per issue with an additional \$150/issue if the BAM treasurer receives the printed newsletter two weeks prior to the next scheduled meeting. There are six issues per year that coincide with the six meetings per year.

The next scheduled BAM meeting is at Lou Mueller's shop and hosted by his son Jeff. Santo mentioned that the meeting is under the guidelines of St. Louis County regarding Covid-19 gathering limits which continue to fluctuate. If a change to the meeting is necessary it will be posted on the BAM website and Around-The-Anvil.

Matthew Burnett's Missouri School of Blacksmithing is hosting a conference on August 29th. The conference is not a BAM event. It will start at 8:30AM and go until 7 or 8PM. Colton Kiso and Mark Sampsel will be featured demonstrators, with a forging contest and evening bonfire. The registration fee is \$70 for one, \$60 each for two, or \$50 each for three. The conference will be at Matthew's facility near Cameron, MO.

Santo thanked Willie and Tami Bagley for hosting the meeting, and Ron Humphries and Bill George for their demonstrations.

Bernie said he intends to have another power hammer class in September. Watch Around-The-Anvil and the BAM website for specific information.

Margie Cox is having an auction for contents Phil's shop equipment on Oct 24th. This should be good opportunity for people with all levels of blacksmithing skills to find some well-maintained equipment and tools. John Sherwood mentioned there is an auction for Hammer Man Glen Albrecht in Richmond, MO on August 29th. Here's a link to the auction website: https://www.auctionzip.com/Listings/3457644.html .

To close the meeting, outgoing president Steve McCarthy presented Santo with the BAM President's Paddle.

The meeting was adjourned.



Iron In the Hat ~ August Meeting

Donated by	Won By	Item
Jake Jacobs	Willie Bagley	Coal Starter
Don Davies	Don Anders	Blue Pad
Joe Sainz	Ken Jansen	Tank
Don Davies	Don Anders	Orange Cleaner (Fagen's Brew)
Drew Johnson	Mike Morton	H-13 2" disc
Willie Bagley	Bill George	Misc. Metal Wrenches etc.
Mike McLaughlin	Hollis Harbit	New Horseshoes
Drew Johnson	Ken Jansen	A2 Flat Rods
Drew Johnson	Jake Jacobs	5160 Flat Stock
Mike Smith	Mark Sampsel	Stainless Bolts and Nuts
Mike McLaughlin	Dennis Marshall	New Horseshoes
Bill George	Willie Bagley	Honey and Bees Wax
Joe Sainz	Hollis Harbit	Tool Punch
Bill George	Willie Bagley	Mozarkite Flint & Bees Wax
Jeff (Lou) Mueller	John Sherwood	4 Blacksmithing Books
Joe Sainz	Bill George	6 Steel Rods
Don Anders	Dennis Marshall	Coil Spring
Jake Jacobs	Ken Jansen	Anvil Mate
Willie Bagley	Ken Jansen	Tank
Joe Sainz	Mike McLaughlin "Yay Me"	5 Rods

August Meeting Demo ~ August

By: Bob Stormer

There were two main demonstrations at the meeting that I will address here, but there were additional impromptu sessions after the official demos and after the meeting. Ron Humphries was the first to give his presentation. Ron was fulfilling his demonstration requirements for his BAM scholarship that allowed him to take Matthew Burnett's tool making class. Instead of actually demonstrating the techniques, Ron gave a lecture on the elements of tool making he learned from Matthew's class. The first item he talked about was a center punch made from a railroad spike. They started by cutting the head off of the spike and forging a point on one end and a flat on the other end for the hammer to strike. Ron twisted his punch and after forging the point, he annealed it, then heated it to a non-magnetic temperature to heat treat it. He said they used water to quench it, which results in a harder point than oil quenching would. They also made a hot cut and a punch out of a coil spring. He couldn't make it to all the classes to make all the tools on Matthew's class agenda, but was very pleased with the way Matthew organized and taught the class.

The next demonstrator was Bill George, who addressed forge welding. He started by saying he learned a lot about blacksmithing from Kent Harbit at the State Fair BAM tent, which also taught Bill that as he put it, "we all have something to share". He also said Kent suggested he not tell anybody what he was making while demonstrating until he was finished.

Bill spent a great deal of time preparing for his demo by making a lot of flip sheets that had all the background information that he had researched for his demo. Rather than try to repeat all information Bill gave during his demo, I'm going to identify the resources he used to learn his forge welding techniques. One book was "New Edge of the Anvil" by Jack Andrews on Skip Jack Press. Another was "The Backyard Blacksmith" by Lorelei Sims on Quarry Press. The last book was "The Blacksmith's Craft" by Charles McRaven. All three of these are available from the BAM Library. If you want to check any of these out, contact Karen Bouckaert at 636-673-1996 so she knows to bring them to the next BAM meeting. Bill also referenced four You Tube sites: "Christ Centered Ironworks – Top reasons you can't forge weld and others", "Mark Aspery – Forge welding scarf theory/ welding in a gas forge", "Black Bear Forge – John Switzer Forging a Froe / Intro to Forge Welding", "DF in the Shop Blacksmithing for Beginners – Forge Welding".

The next topic Bill talked about was SAFETY. He discussed IR and UV light that are present in a forge fire and mentioned some information he found on "anvilfire.com", but said a lot of it was confusing and/or contradictory. That said, you should still do your own research and consider the use of tinted lenses, maybe even oxy -acetylene welding glasses. Another type of glasses available are "didymium" glasses. These are generally for glass blowers, but can help while looking into a fire that is at welding temperature. Bill also mentioned that his research lead to "circular" references that made him question the validity of some of it. The lesson here is don't be afraid to question what you read/hear. If you look at the photos posted on the BAM photos page from the meeting, you'll notice Bill is wearing fairly dark glasses. I believe these were #5 or # 6 tinted lenses that cover the 2400° and 2700° temperatures respectively. Gas forges are usually more of a problem than coal forges, probably due the amount of light emitted.

Bill chose forge welding for his demo because it is one of the seven basic blacksmithing processes. Preparation is the key to successful forge welding. Acetone is good for cleaning grease and oil off steel and wire brushes are good for getting mill scale and burrs off. He found that 50 grit emery cloth also does a good job of preparing steel. There are different types of scarf joints used for forge welding mentioned in the references noted above, but one that I had not seen that Bill demonstrated and attributed to Mark Aspery, is called a "pin" weld. This involves drilling/punching a hole through both pieces that are to be welded where they overlap. The pin holds them together until you can set the weld with first few blows. The photo at the right shows one ready for the fire.

Another idea I had never seen was the preparation Bill did for making a basket for the handle of his trade item. He started with two 12" pieces of 1/4" round stock and marked the center of each with an indent. He then heat-

ed them and bent them so he had a tight loop on one end and the other was left open, as shown in the photo at the right. After making both pieces like this, he slid the pieces together at the two open ends, as shown in the photo to the right. The result was four pieces of ½ round stock bundled together, ready for welding. The ends are then forge welded, followed by twisting, and then reverse twisting to open the basket. Prior to setting the weld as shown in the photo at right, Bill set a heated, large round rod in the cavity of the swage block to preheat the block and enhance the chance of a good weld. A very good tip about general forge welding at the end of Bill's demo was to rotate the stock in forge.

Willie took over the forge and showed us how to do the drop tong version of forge welding. In the photo to the right, Willie has already dropped the tongs from his left hand and has picked up the hammer. The tongs in his right hand are holding the alignment of the scarfs on the anvil. The next photo shows Willie setting the weld. In the photo below, Willie is dressing his successful "drop tong" forge weld.

The "take away" from listening and watching the demos is that if you study the information referenced above, and spend a weekend at your forge, you too could make successful forge welds.















Photo Gallery ~ August Meeting































Trade Items Anything Forge Welded ~ August Meeting



Made By: Steve McCarthy Traded To: Yoo Jung Lee



Made By: Ken Jansen Traded To: John Sherwood



Made By: Yoo Jung Lee Traded To: Mike Morton



Made By: Mike Morton Traded To: Mark Sampsel



Made By: Santo Giuffrida Traded To: Willie Bagley



Made By: John Sherwood Traded To: Don Anders



Made By: John Dilsaver Traded To: Ken Jansen



Made By: Mark Sampsel Traded To: Steve McCarthy



Made By: Don Anders Traded To: Santo Giuffrida



Made By: Willie Bagley Traded To: Bill George



Made By: Bill George (Demo Piece) Traded To: John Dilsaver

Bernie Tappel's Old Retired Guys And Anyone Who Wants To Take A Vacation Day (ORGAAWWTTAVD) Hammer-In Version 2020

By: Bob Stormer

Just a quick background on Bernie's ORGAAWWTTAVD hammer-in. If my memory is correct, Bernie held his first ORGAAWWTTAVD hammer-in in 2015. The hammer-ins are always on the last Thursday of July. The idea for having them on Thursday was to limit attendance, as the name also suggests, to less than the regular BAM meetings since Bernie has limited parking. Good idea but I'm not sure it worked out that way. This year the attendance was down a bit to about 50 or so. In previous years there have been around 70-75 people attending. I think the reason for the popularity of the gathering is due to Bernie having 5 or 6 forging stations set up for use under roof, as well as his reputation for teaching anyone who needs help. In spite of the larger attendance than planned, parking is not an issue, and all the tailgaters have good exposure.

Terry Smith started one of the forges with flint and steel, which I think might be a tradition for Bernie's hammer-in. Bernie did a couple of demonstrations during the day. He rebuilt a large lawn mower blade by forging the cutting edge back to a straight edge to be re-sharpened like a new one, rather than just grinding it to sharpen it like most of us would do.

Another demo he did was to duplicate making a spring fuller with acorn dies that was taught in the recent power hammer class that he taught at his shop the week before. He made two "pucks" from what I think was about 2" diameter by 1 1/2" thick stock. He then heated them and upset them to about 2 ½" diameter by 1" thick using the Bradley hammer. Both pucks were then welded to some 1" by 1/8" flat stock that would be the spring part of the spring tool. The last step was to use an acorn master to imprint the shape in the heated dies. The tool was given away as an attendance prize.

Santo Giuffrida had asked Bernie to help him with forge welding, so Bernie helped him with the "drop tongs" method since Santo doesn't have a power hammer at home. Bernie started with 3/8 or ½" square stock and showed Santo how to forge in the scarfs for the joint. He also worked with Santo on maintaining the fire necessary for a good weld.

Bernie had him practice the moves with the tongs, the hammer, and the stock before heating the pieces to a welding heat. Santo got a good weld on his first attempt, as shown in the photo to the right. I think that was due to Bernie being a good teacher and Santo being a good student.

Later in the day Bernie also demonstrated his method for making fish gigs that John Lovin had requested. I wasn't watching when Bernie gave the details of this demo, but I believe he starts with a pattern he cuts from approximately 3/8" flat stock that has enough carbon content to support later heat treating. In the photo at the right, Bernie is separating the tines so he can forge them round and taper them to a point. In the other photo you can











see the tool he made to help forge the barb on end of each tine. The tool looked like it was made from a jackhammer bit. I didn't see the end of the demo where he would separate the tines to an appropriate distance and forge the socket to the shape for the handle. I'm pretty sure he also addressed the heat treating requirements that I missed. Bernie would likely be happy to fill in the details when you see him at a future meeting.

Pat McCarty was working on a handrail project that involved fullering a standard handrail and drawing out a "tang" that he later would shape into a scrolled tendril for decoration at the end of the railing. He used all of Bernie's power hammers, including the treadle hammer, during his demo, not because he had to, but because it was fun.

Mike McLaughlin was one of the blacksmiths who made good use of the 100lb Murray hammer. I didn't get a very definitive answer when I asked what he was making, so I took a guess and thought it looked like a sword-fish. I don't think that was the right guess. It's more likely one of Mike's really neat sculptures.

Colton Kiso and Jared Wortmann forged some nice-looking knife blanks. John Sherwood was making a leaf. Charlie Carpenter started a project that I understand ended with unexpected results that I didn't witness. I did watch Steve McCarthy also have unexpected results with his project. I'm not sure what he was trying to make but at one point he got the steel too hot and when he pulled it out of the gas forge it broke off and the piece that hit floor broke into four more pieces. I don't think any of us had ever seen that when using a gas forge, but it happened. The forge he was using was the one Robert Miller set up as a demo model for forges he sells through

his website "irondungeonforge.com". It really gets hot. Robert had other knifemaking supplies for sale, with some particularly good deals on sanding belts.

Pat McCarty's sister, Karen, organized a group photo before lunch. She has a way of whipping old blacksmiths into shape. After a little moaning and groaning by the group, I think everybody lined up so she could see all of our faces. Then off to lunch. Patti and the other ladies prepared a really good lunch for everybody.

There was more open forge work going on after lunch, but Sheri and I didn't stick around too long. If you've never been to Bernie's hammer-in, you owe it to yourself to make the one next year.









Photo Gallery ~ Bernie's Hammer-In































Anvil Restoration

© Robb Gunther and Karl Schuler
The Forgery School of Blacksmithing

published in ANVIL Magazine, April 1998

This process works well on wrought iron base anvils and cast iron base anvils with a good tool steel top. It was developed with the help of several metallurgists and welding engineers at Sandia National Laboratories.

Grind all surfaces to be welded.

Expose good, clean material. Grind through all folds or fractured chips. Chamfer any holes or severe depressions in preparation for welding.



Preheat a wrought iron base anvil to 400 degrees and a cast iron base anvil to 450 degrees. The temperature can be verified with a Tempil Stick crayon available at Your welding supply store, which melts at a given temperature. (i.e., 350 degrees, 400 degrees, 450 degrees. A propane-fired weed burner works well to preheat the anvil. A wood fire call also be used if care is taken to wire brush off all carbon and smoke deposits before welding. Be careful to not overheat the anvil, particularly the heel and hardy hole area, as it's a thinner cross-section and heats faster than the more massive parts.

What You'll Need

If your anvil has a wrought iron base and the damaged area goes through the tool plate so that You have to begin the repair by welding to the wrought base material, use Stoody 2110 (or equal) 3/16" rod (DC reverse works best; however, it will run AC); Unlimited passes. Expect 45 Rockwell C as welded. When you can finish building up the repair area **in no more than three passes** (or layers thick), use Stoody 1105 (or equal) 1/8" rod (DC reverse, or AC); expect 50 to 52 Rockwell C as welded, which should be consistent with the original hardness of the tool plate. The Stoody 1105 is a particularly good match for the W-1 tool steel tops of most anvils and is designed to be impact resistant.

When welding to a cast iron base anvil and on to the cast iron base, a layer of NI rod (high nickel) must be Put down first. Build Lip over the NI rod with Stoody 2110 (or equal); Unlimited passes (DC reverse); expect 45 Rockwell as welded. **The last three passes** (or layers thick), use Stoody 1105 (or equal) 1/8" rod (DC reverse); expect 50 to 52 Rockwell C as welded if you don't exceed three passes thick.

Cast steel anvils repair well using the combination of the Stoody 2110 and the Stoody 1105 (last three passes).

Repair to the Horn

Repair to the horn of a wrought iron base anvil can be accomplished with 6010 welding rod as needed. If the point of the horn is blunted or slightly broken off, we usually Put the end of the horn in a coal forge, heat it to bright orange and forge it out to the desired shape using a 12-lb. sledge to back it up and a 2-lb. rounding hammer on top. Repairs to the horn of cast iron anvils is usually done by welding with the NI rod and grinding.

If the area around the hardy hole or pritchel hole needs repair, weld using the above detailed process; however, inserting a chill (or form) made of 1/16" sheet copper into the respective hole before welding will save you a lot of grinding and filing to true up the hole.

These hard surfacing rods used here to repair anvils are quite gravity sensitive during the welding process. If you can lean the anvil at \(\perp 45\) degrees against a cinder block while welding on the edges, you will have more of the somewhat expensive welding rod on the anvil and less on the floor.

After all welding repair is complete and you are sure that there is sufficient buildup to allow for grinding to the desired finish (check with a straightedge), post heat back to 400 degrees or verify with the Tempil Stick that the anvil is still that hot from welding. Pack the anvil in vermiculite (crushed mica), available at most nurseries, to allow it to slow cool for a minimum of eight hours. This will minimize the potential for stress cracking from welding.

Obtaining the Desired Finish

Grind the anvil to the desired finish. We start the grinding process with a 24-grit cup stone on a large-body grinder It is quite aggressive at quickly removing metal. Be careful to keep it running flat (sparks coming off both sides of the cup stone). Continue the grinding process using flex back metal sanding discs, starting with 24 grit and working down to 240 grit, in five or six steps. Until now, all edges should be kept sharp and square. With 100 grit or finer sanding disc, radius the edges to your desired shapes. Near the anvil step the radii are typically ground to a 3/16" or 1/4" radius and tapering to nearly no radius at the heel of the anvil. The edge of the step and the heel are usually left rather sharp and only broken with a file. A final polish call be done with a *Scotch Brite* disc and you can usually see your face in the anvil top.

This anvil restoration process has been used on several hundred anvils around the country with great success.

This is a great article that has withstood the test of time. I first saw it in 1998 when it came out. But remember that many anvils do not need to be welded up, especially if you are not a great welder. If you need a square edge, a anvil block is often the answer rather than an experiment on an antique anvil that is very usable as it is. For most of us, that old anvil with a chip or two out of the edge isn't going to affect your finished product. I had a great anvil— Haye Budden, that was a bit worn on the edges. I gave it back to the granddaughter of the original owner as she was going to be blacksmithing. It was hard to do. The first thing she did was to have her boy friend "run a bead down the edges..." Not good. Barry

The Easiest Tongs I Ever Made

Published By: The Virginia Blacksmith April 2020

The Easiest Tongs I Ever Made

Let's get this out of the way right up front. Yes, I made these tongs from horseshoes. St. Croix Forge 1 Plain horseshoes, to be exact. I like to use shoes for experiments like this - they're cheap, often free, and in this case, the right size. (5/16" x about 1/2") So yes, the first step is to straighten the shoes.

Once the shoes are straight, saw a line halfway through the shoe where the groove for the nail holes ends. I used a cutting disc for this, but a bandsaw or even hacksaw would be good choices as well.



Take a heat, and bend each shoe 90° where the cut is. Make sure you bend both shoes the same way.



You'll need to round the sharp corner opposite of where the rein meets the jaw. You can do this by forging, grinding or a combination of the 2. I used the grinder because...well, because. May have something to do with having just bought a new angle grinder...

I like the length of the tongs as is, but if you want them longer, now is the time to draw out the reins.

You now need to add a hole for the rivet or bolt. The first nail hole in the shoe happens to be placed perfectly for this. I just drilled them, but you could easily drift the nail hole larger.

I joined these together with my favorite "redneck rivet" - a cut off 12-penny nail. In retrospect, a bolt and nut would probably be better - the nail groove means the rivet doesn't seat quite right. I'll pop a bolt in there when the rivet eventually wears out. Adjust the jaws in the vise, and you're ready to work! They aren't the prettiest tongs ever, but they do the job.





You may want to modify these flat tongs to become box jaws. It makes them much more useful. But we'll talk about that in June.

Scholarship 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 scholarship, I will be required to submit an article about the education experience attended with appropriate notes and diagrams to 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 on the BAM library. One third of the total scholarship amount will be awarded before the event, one third on submission of the article to the newsletter editor, and one third after presenting the demonstration at a BAM event.
Signed Date
SignedDate
Send Scholar ship applications to: Mike McLaughlin, 122 Milwaukee, Lawson, MO 64062 cowpie42@hotmail.com 816-296-3935

This page may be printed



Sept 19, 2020 / Sept 26, 2020 - MTS Beginner Training - Eminence, MO

Oct 17, 2020 - Meeting - Jeff Muller - Fenton, MO

Oct 24, 2020 - Phil Cox tool auction (date may change) - Hamilton, MO

November 27, 2020 - Black Friday Hammer In - Ken Jansen

January 1, 2021 - New Years Day Hammer In - Pat McCarty

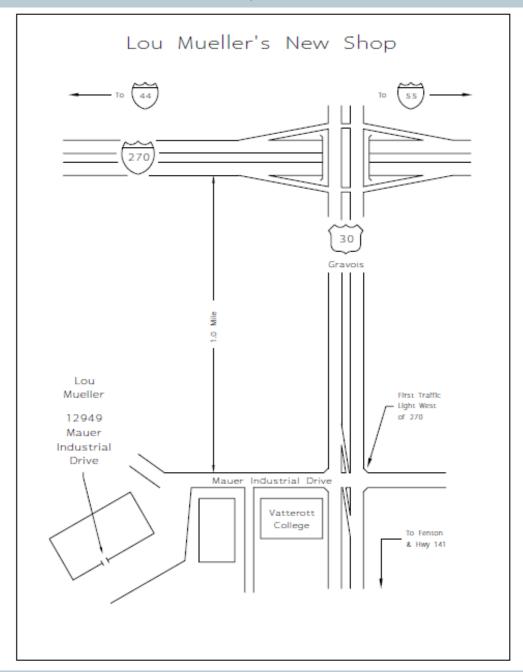
February 6, 2021 - Meeting - Dale Kirby - Higbee, MO

April 3, 2021 - Meeting - Chris Miller - Donaphin, MO

If there is an event that is not listed or a meeting that you are interested in hosting please contact us at BAMeditor2015@gmail.com.

Next Meeting: October 17, 2020

Hosted By: Jeff Mueller 12951 Maurer Industrial Drive St Louis, MO 63127



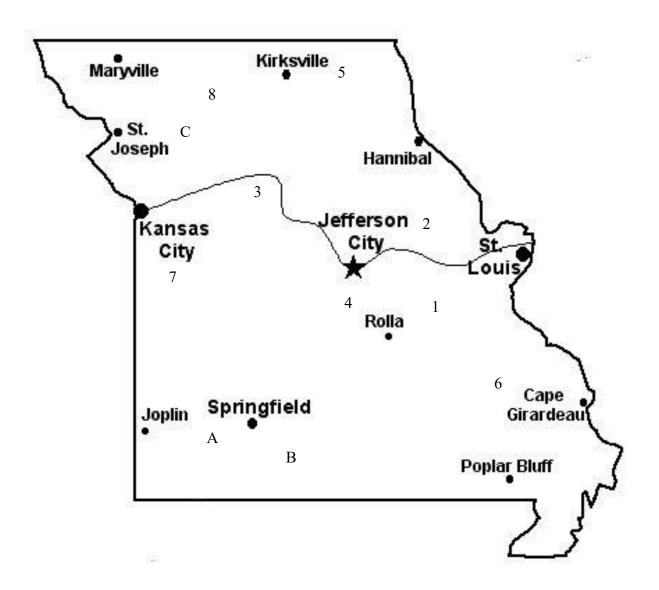
Food will not be available. There are several restaurants that are close by.

Trade item: Door Knocker

Coal Stations

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



BAM Coal

- Bob Alexander (636) 586-5350
 14009 Hardin Rd.
 DeSoto, MO 63020
- Ken Jansen (636) 295-5844
 2257 Carter Rd.
 Moscow Mills, MO 63362
- Doug Clemons (660) 631-1257
 29377 Durango Ave.
 Malta Bend, MO 65339
- 4. Jerry Rehagen (573) 744-5454 390 Bozina Valley Trail Freeburg, MO 65035

- 5. Joe Hurley (660) 988-8872 or (660) 626-7824 26306 State Hwy D Downing, MO 63536
- 6. Bob Maes (573) 866-3811 Route 1 Box 106 K Millersville, MO 63766
- 7. Bryan Lillibridge (660) 638-4536 1545 NW 300 Urich, MO 64788
- 8. Bill George (660) 247-0426 19133 LIV 355 Chillicothe, MO 64601

Non BAM Coal

- A.Tim Johnson, Springfield, MO 417-886-8032 \$.40/lb. check, \$.35/lb. cash. Bring your own containers.
- B. 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

Coal Specifics

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 pounds bags.

BAM Tailgate Buy, Sell, Trade

Individual Classified ads:

For Sale: Century old—dated 1901 Champion #400 Blower / hand crank, works well. Blower forge Co. Nancee 573-392-5533

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

For Sale: 1 steel layout table; 27 inches x 39 inches. No stand. Asking price \$75.00 Plasma Cutter; Esab Corporation, 1- L-Tec plasma cutter, PCM 750 I, 50 amp output, 12 foot leads, 220 volt single phase, 50 amp input, Torch Thermacut PT -23, Asking Price \$750.00

Commercial / Resource ads:

Beverly Shear Blades Sharpened. Remove blades from shear and ship to Clay Spencer, 73 Penniston Pvt. Drive, Somerville, AL 35670 \$41 includes return postage, additional cost for deep notches or blades previously sharpened at angle.

Little Giant-- We can do repairs on any or all components of your Little Giant front assembly. Contact Roger Rice, Midwest Machine, 6414 King Road, Nebraska City, Nebraska 68410. (402) 873-6603

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.

Information / Education: Missouri School of Blacksmithing

Cameron, MO Instruction by Matthew Burnett Group and Individual classes offered. 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

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

Back issues of Jerry Hoffmann's Blacksmith's Journal, Call 1-800-944-6134 for more information.

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

The Bill Pieh Resource for Metalwork. Call now for more information and to enroll: (928) 554-0700 or (888) 743-4866. www.piehtoolco.com.

Matthias Penn is offering introductory & beginning blacksmith classes. 417-543-2148 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 303-859-0770 http://www.forgewithintention.com or http://www.davidnorrie.com

The Upper Midwest Blacksmiths Assoc (UMBA) video library. An index list can be viewed at www.umbaonline.org

They are VHS or DVD-R Cost is \$5 each with \$2 per order shipping there is no return date, you keep the video for this price. All videos are made at group demos, no commercial titles.

Blacksmithing E-books on CD

Now eight titles are available on CD, \$4/each, or all eight books, \$24 postpaid. More books are in production and will be available soon- order on-line at www.blacksmithingebooks.com, or check/MO to Brian Gilbert, 3404 Hartford Dr,. Chattanooga, TN 37415.

Tire Hammer Plans by Clay Spencer

Send Paypal for \$30US to clay@tirehammer.com. Or check/money to 73 Penniston Pvt. Dr.,Somerville, AL 35670. I can mail a copy or email PDFS. Beverly shear blades sharpened. Remove blades, mail

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.

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/power_hammer_info.htm Ralph Sproul

Rochester Arc & Flame Center! Featuring Blacksmithing, Welding & Glass Blowing, over 30 classes available for all levels of interest, rocafc.com 585-349-7110

Products:

Forge-Aprons offers seven different styles of leather blacksmith aprons; the Original bib, the Short bib, the Full-Cut bib which offers greater chest coverage, the Lap apron, two sizes of Kid's aprons, a Budget apron and our brand new, limited edition Flame apron which features flame imprinted buckles and an anvil engulfed in flames on the logo pocket. www.Forge-Aprons.com

Heavy-Duty Fry Pan Blanks 9" diameter, tapered sides 12

Or 13 gauge steel (approx.2 pounds) no predrilled holes for the handle \$14.00 each..1-4, \$12.00 each..5-9, \$10.00 each...10+. Shipping: \$5.00 plus\$1.00 each frypan Bob Tuftee 563-349-3369 21718 277th Ave LeClaire, IA 52753

L Brand is the Official Coke of the WCB and Kentucky Horseshoe School.

Website: www.BlackSmithCoke.com

Mobile: 678-360-3521

email: lbrandforgecoke@gmail.com

Chile Forge- Next generation gas forges www.chileforge.com David Starr 520/360-2141

Kayne and Son Custom Hardware, 100 Daniel Ridge Road, Candler, NC 28715. (828) 667-8868 fax (828) 665-8303, e-mail:

kaynehdwe@charter.net, web site:

www.blacksmithsdepot.com.

Offering a full line of blacksmithing equipment. We ship and accept Visa and Mastercard.

D.L. Schwartz Co. Blacksmith and Farrier supplies. 2188 S. US 27, Berne, IN. 46711, 1-800-955-3064

USA Dealer for REFFLINGHAUS ANVILS, 77 to 1250 lb. European 2 horn with or without upsetting block & side shelf. Over 100 sizes and styles available. Guaranteed face @ HRC59 Dick Nietfeld www.blksmth.com Phone (308) 384 1088

Custom T-shirts

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 FB 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 with your dues. 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 636-432-4468

Please send changes to Bruce Herzog, 2212 Aileswick Dr., St. Louis MO 63129 or e-mail to bjherzog@charter.net

For Next Meeting map, see page 23 of this Newsletter.

