

Saltfork Craftsmen Artist-Blacksmith Association

August 2017



Bob Patrick



Lyle Wynn

**The 2017 Annual Saltfork Craftsmen
Conference is only months away!**

Conference October 21st and 22nd

See page 20 for Conference flyer and
registration form. Remove registration form or
print from the website and mail to the Secretary.
Register as soon as possible!

***Find an extra bonus in your welcome packet
if paid registration is received on or before***

Monday, October 16th

Saltfork Craftsmen Artist-Blacksmith Association Officers and Directors

President:
Byron Doner 405-650-7520
6520 Alameda, Norman OK 73026
byrondoner@esok.us

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Tulsa Ok. 74105
wwkendall@aol.com

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Don Garner 580-302-1845
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Thomas, OK 73669
Call or Text

Director:
Terry Jenkins 405-476-6091
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Director:
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Assignments:

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Librarian:
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2050 E. 410 Rd.
Oologah, Ok. 74053
Doug.redden2@att.net

Editors notes...

The Annual Conference is approaching fast. This year we would like to see more work from all levels of membership on display in the Gallery. Please consider bringing something you have done, something you have obtained from someone else that you think is inspirational, or something you make specifically for the Conference to display! Your piece could inspire someone else to take that next step! - Russell Bartling - Editor

Conference Set Up Work Day!

There is a Pre-Conference set up work day scheduled for October 14th at the Conference site in Sulphur (the Saturday before the Conference.)

If you are interested in helping set up for the Conference, please feel free to attend that day. Set up will include placing the bleachers, installing the audio visual infrastructure, moving various items around, etc. There will be a lot of camaraderie among those elite volunteers who choose to attend.

And, anyone who attends to help will receive five tickets for the Tool Box and five for the Anvil Quilt - A \$20 value! See you there!

The Saltfork Craftsmen Artist-Blacksmith Association, a non-profit organization Our purposes are the sharing of knowledge, education and to promote a more general appreciation of the fine craftsmanship everywhere. We are a chapter of the Artist-Blacksmith Association of North America.

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Visit our Saltfork Craftsmen Website:
www.saltforkcraftsmen.org



President's Notes:

Good grief! I've been too busy lately! Also been working in a very hot shop most of the time it seems. The spare tire hammer workshop has added quite a bit more to my already busy little world. But I'm happy to report that we are coming along with it, and have got most of the sub assemblies done. I'll sure be relieved when we get it all behind us!

I hope everyone had a great time through the Independence Day holidays. To me it seems like that was months ago, but it's just now only the first part of August!

Speaking of August, as president, I am making a new rule; the days of August are only allowed to get up as hot as 80 degrees. I am sure most everyone should like this new rule! And it will also show just how much stroke this president has!

I apologize to all the folks that came to the July 8th meeting, for having a board meeting and basically killing the meeting. I'd forgotten how doing that kills it for everyone else. Seems we always have to take three hours to not get everything covered in these board meetings!

My hat is off to the folks that got things made for the toolbox raffle! Bruce Wilenberg has taken on the task of being the person in charge of tool box items, so If you have tools for the box, he's the man to contact; 405-227-4547

I'll close with this profound statement, "Everything will happen, if the world lasts forever!" by Eli Webb (my 8 year old grandson)

Happy Hammering! - Byron



All Regional Meetings are Free to Attend and are Always Open to Any Member or Guest...

New to Saltfork or just want to check out Blacksmithing but don't know where to start? These meetings are a great place for new members or guests who just want to see what it is all about to come network with like minded people. If you want some pointers on how to get started, there is always someone happy to help get you started hammering. And guests are always welcomed.

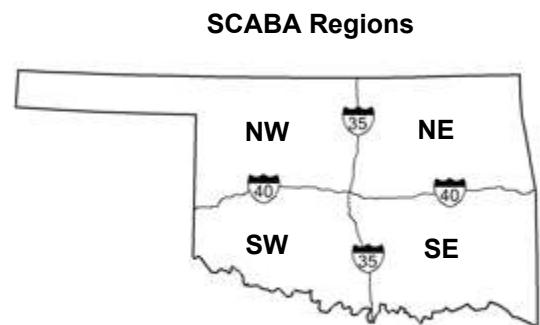
Want to host a meeting? The meeting hosting form can be found on the last page along with membership application form. If you want to host a meeting in any area please fill out one of the host forms on the website under the calendar section or in the newsletter and e-mail the information or mail the hard copy form in as soon as possible. If you mail a form, please call or e-mail to verify that it is received. E-mail is the most convenient for me but you can also phone in the information if you prefer. The sooner the meeting is scheduled, the more time there is to get the word out to potential attendees. -Russell Bartling 918-633-0234 or rbartling@ionet.net

What's My Region?

The four main regions are currently defined within the state by being separated by I35 and I40. (For example, the NW region is anything north of I40 and west of I35.)

All meetings are encouraged. These boundary definitions and regional meeting dates are a suggested framework to facilitate orderly meeting scheduling, planning and promotion with a minimum of overlaps and a maximum exposure to the greatest number of members. Not all meetings fit precisely within a rigid boundary definition and members in an area may want to hold meetings on a date that doesn't match their physical region or at a location other than their own region. This may be especially true in the center of state for areas that are close to the I35 and I40 boundary crossing. Special events such as shows, fairs, etc. may also dictate adjustments to the meeting dates within a region.

The regions are meant to be a simplification and clarification to the regional boundaries rather than a rigid restriction to any meeting scenario. ***Saltfork members all belong to one club.*** Regional boundaries are not intended to imply division within the club, but are intended to help spread distribution and promote monthly meetings.



Safety

Blacksmithing can be an inherently dangerous exercise. There is no substitute for personal responsibility and common sense and no list of safety rules can adequately cover every situation. Every person who attends a meeting, demonstration or event sponsored by the Saltfork Craftsmen Artist Blacksmith Association (SCABA) or its members does so at their own risk and assumes all responsibility for their own safety needs. The SCABA organization, its officers, members, demonstrators, volunteers and guests disclaim any responsibility for any damages, injuries, or destruction of property resulting from the use of any information or methods published or distributed by SCABA or demonstrated at workshops, meetings, conferences or other events. SCABA recommends proper attire and safety gear and standard shop safety procedures appropriate for blacksmithing and shop work during any event where blacksmithing and other related methods are involved. Safety attire includes, but is not limited to, appropriate clothing, eyewear, hearing protection, gloves, and face shields when appropriate. It is every individual's responsibility to provide for their own safety, to determine what safety gear is appropriate for each situation and to provide, maintain and use that gear as appropriate for each individual situation.

Saltfork Craftsmen Artist-Blacksmith Association

July 2017



Seven year old Myles Clark (and his assistant Bryce Clark) forging a railroad spike knife at the NW Region June meeting. He is the 5th generation in his family to forge on that anvil.

Correction!

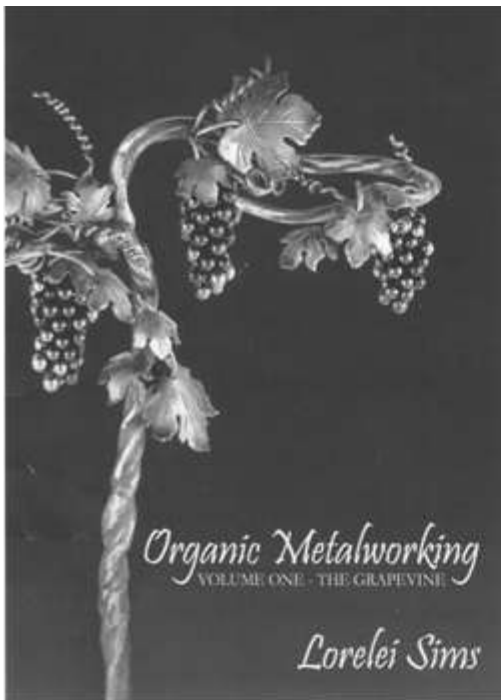
In last month's newsletter, a few astute readers pointed out that the meeting listed on the cover could not have been the NW region meeting.

That is exactly right. The meeting photo was from Gerald Brostek's meeting in the NE Region. NOT the NW region.

What they don't know is that it is actually a secret editor trick. Placing a glaring error on the cover draws attention away from any errors in the body of the publication. So the joke's on them.

(Actually, its just an error and the proof reader will be severely punished.)

-Editor



Organic Metalworking Vol. 1

by Lorelei Sims

Limited Copies Available

Lorelei Sims has a great new book illustrating her methods for organic metalworking. (See details in the October newsletter, Page 35.)

Volume 1 is first in a series of planned books on different aspects of organic forging. This is a very good how-to book heavily illustrated and has something for beginning and advanced smiths alike.

Lorelei's methods are easy to understand and execute but the finished work is beautiful (at least hers is beautiful!) You will probably want a copy of this book in your library. I highly recommend it.

Due to continued demand, we have second shipment of this book and Doug already has many of them sold. The price of the book through SCABA is the same as the price directly from Lorelei and proceeds from sales benefit SCABA. Contact Doug Redden if you would like to purchase a copy. - Editor

2017 REGIONAL MEETING SCHEDULE

NE Region (1 st Sat)	SE Region (2 nd Sat)	SW Region (3 rd Sat)	NW Region (4 th Sat)
Jan 7 th (Open)	Jan 14 th (Byron Doner)	Jan 21 st (Open)	Jan 28 th (Monte Smith)
Feb 4 th (Open)	Feb 11 th (Open)	Feb 18 th (Open)	Feb 25 th (Rory Kirk)
Mar 4 th (Open)	Mar 11 th (Bruce Willenberg)	Mar 18 th (Open)	Mar 25 th (Kelly Killhoffer)
Apr 1 st (Doug Redden)	Apr 8 th SCABA Picnic!	Apr 15 th (Open)	Apr 22 nd (Don Garner)
May 6 th (Jim Carothers)	May 13 th (Ronnie Smith)	May 20 th (JJ McGill)	May 27 th (Mandell Greteman)
Jun 3rd (Gerald Brostek)	Jun 10th (David Kroier)	Jun 17th (Open)	Jun 24th (Terry Kauk)
Jul 1 st (Marshall Hager)	Jul 8 th (Byron Doner) Tools for Conference Toolbox Work Day	Jul 15 th (Open)	Jul 22 nd (Roy Bell)
Aug 5th (Billy Helton)	Aug 12th (Ronnie Smith)	Aug 19th (Open)	Aug 26th (Dorvan Ivey)
Sep 2 nd (Tracy Cowart)	Sep 9 th (Ben Hangsleben)	Sep 16 th (Jim Dyer - JJ McGill - Sulphur Tractor Show)	Sep 23 rd (Don Garner - Fairview Tractor Show)
Oct 7 th (Open)	Oct 14 th (Open)	Oct 21 st (Conference Weekend!)	Oct 28 th (Corey Spieker)
Nov 4 th (Open)	Nov 11 th (Bill Phillips)	Nov 18 th (Anthony Griggs)	Nov 25 th (Bob Kenemer)
Dec 2 nd (Open)	Dec 9 th (Open)	Dec 16 th (Open)	Dec 23 rd (Gary Seigrist)

Fifth Saturdays:

April 29th (Open)

July 29th (Hammer Making Workshop)

September 30th (Open)

December 30th (Open)

2017 SCABA Conference:

The dates for the 2017 SCABA Conference have been set for October 21st and 22nd. The conference will again be held at the Murray County Antique Tractor Show grounds in Sulphur, OK. Mark your calendars!

****Please Note****

Beginning with the 2017 calendar, the NE region meetings will now be held on the first Saturday and the SE region meetings will be held on the second Saturday of each month. This is swapped from previous years.

August 2017

NE Regional Meeting August 5th : Will be Hosted by Billy Helton at his shop at 18633 S. Fern Pl, Claremore, Oklahoma 74017

Directions: East out of Claremore on Hwy 20 approx 8.5 miles to Ns 4230 (sinors gas station on the left) at 4230 turn left (north) go approx 2.5 miles turn right (east) on RD 460. Go approx 1 mile to Rd 4240, turn right.

The trade item will be a Friedrich's Cross. Lunch will be provided (pulled pork). Please bring a side dish or desert to help out. Contact Billy Helton at 918-230-1773 if you have questions.

SE Regional Meeting August 12th: Will be hosted by Ronnie Smith at the Camp Hope Kids Ranch, 400 N. "A" St., McAlester, OK 74501.

Directions: From the Indian Nation Turnpike go East on Hwy 270 to first stop light which is "A" street. Turn left onto "A" street and go 1 block to stop sign. Go through the stop sign and the location will be on the right.

The trade item is anything from a Rail Road Spike. Lunch will be provided but please bring a side dish or dessert to help out. Contact Ronnie Smith at 918-916-3426 or camphope321@yahoo.com.

SW Regional Meeting August 19^h: Open.

NW Regional Meeting August 26th : Will be hosted by Dorvan Ivey at the Route 66 Blacksmith Museum shop in Elk City.

The trade item is a forged fish gig. Lunch is provided but please bring a side dish or dessert to help out. Contact Dorvan Ivey at 580-821-4771 if you have questions.

September 2017

NE Regional Meeting September 2nd : Will be Hosted by Tracy Cowart at Dan Cowart's shop at 10380 N 4010 Road, Wann, OK 74083. (See map on next page.)

The trade item is an adjustable hook of some sort (like a trammel hook.) Lunch will be provided (smoked brisket) but please bring a side dish or desert to help out (salad, dessert, picnic fare, etc..) Contact: Tracy Cowart 918-630-7025. gtcowart@gmail.com

SE Regional Meeting September 9th : Will be hosted by Ben Hangsleben at 42 Rabbit Run, Choctaw, Oklahoma 73020.

The trade item is anything made of metal and wood.

Lunch is provide but please bring a side item or dessert to help out.

Contact Ben Hangsleben at 405-517-7010 or bhangsleben@gmail.com if you have questions.

SW Regional Meeting September 16th : Will be hosted by Jim Dyer and JJ McGill in conjunction with the Murray County Antique Tractor & Implement Association show.

The trade item is a three tine pitchfork. Lunch will be on your own. The blacksmiths are invited to a free thank you dinner by the Tractor Club at 6 PM. Directions are 7 miles north of Sulphur on Hwy 177 then east $\frac{3}{4}$ mile on Tractor Road. If you need more information, contact Jim Dyer at 580-465-3265.

NW Regional Meeting September 23rd : Will be hosted by Don Garner at the Fairview Tractor Show. Directions: 1 $\frac{1}{2}$ miles east of Fairview on Hwy 58. Watch for signs on the north side of the road.

Trade item is to be determined. Lunch will be on your own. Contact Don Garner at 580-302-1845.

Workshop Schedule

No Workshops are currently scheduled other than the after Conference workshops with Bob Patrick and Lyle Wynn. See information in this newsletter.

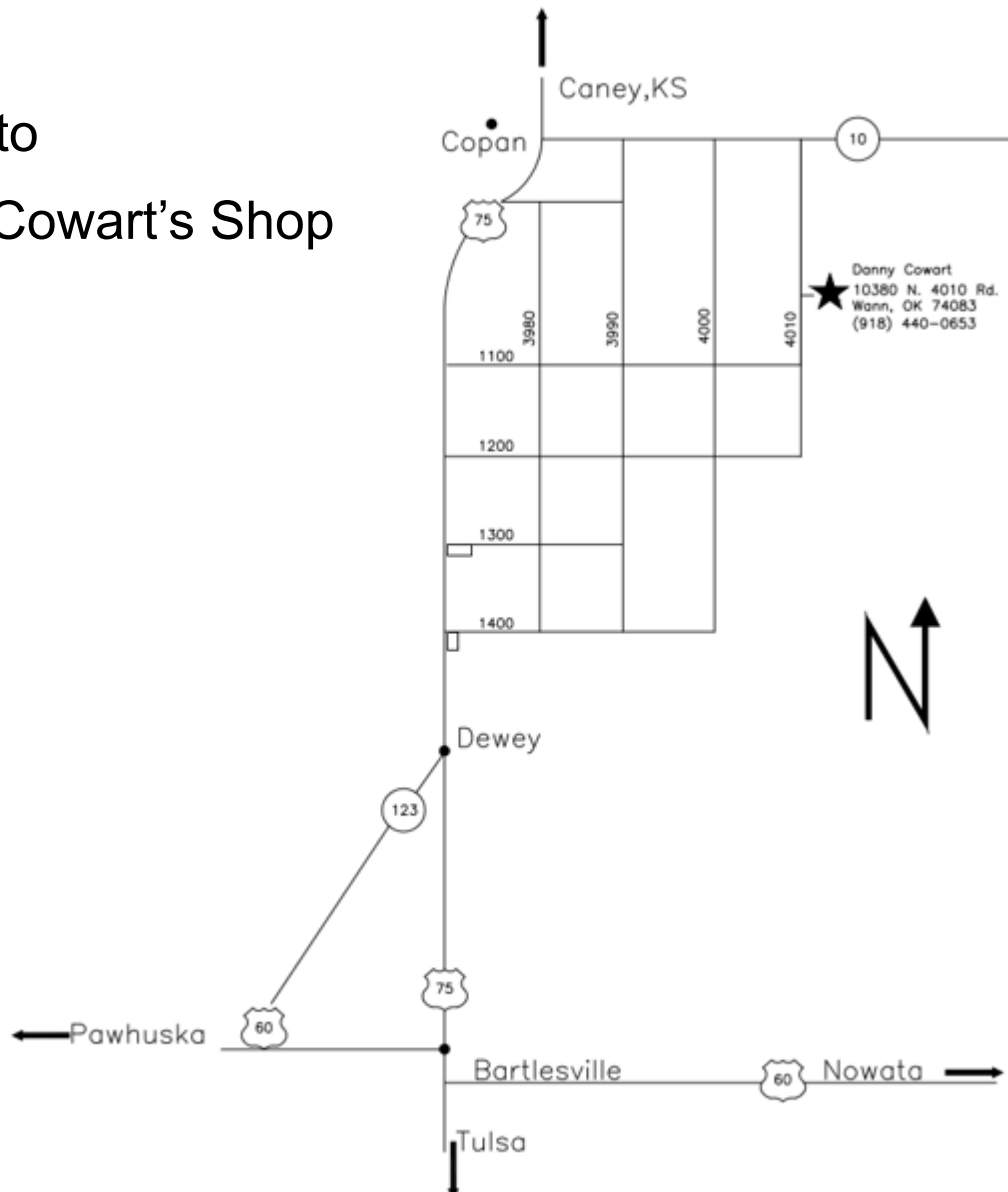
Have an idea for a workshop or class? If you have an idea for a workshop that you would like to attend (or teach), please let the workshop coordinator know so that details for time and place can be worked out.

Mandell Greteman is the SCABA Workshop Coordinator.

Contact Mandell at 580-515-1292.

mandell01@windstream.net

Map to
Dan Cowart's Shop



Blacksmith Demonstrator Opportunity at Tinkerfest- Oklahoma Science Museum:

From: Chris Syfrett <csyfrett@sciencemuseumok.org>

Date: July 14, 2017 at 12:08:49 PM CDT

To: "president@saltforkcraftsmen.org" <president@saltforkcraftsmen.org>

Subject: Saltfork Craftsmen at Tinkerfest on 9/30?

Hello Mr. Bryon Doner,

I'm sorry to take up some of your time. My name is Chris and I work for Science Museum Oklahoma. On September 30th of this year we will be hosting a Tinkerfest: a celebration of making and tinkering in which adults and children alike get to try exciting things to which they may not otherwise be exposed.

I've seen some of the amazing work members of your organization have done at different fairs in the state, and we would love for the Saltfork Craftsmen to be involved in our Tinkerfest. I understand that you personally may not have the time to come out to our Tinkerfest, but do you know if any of the Saltfork Craftsmen might be interested in joining us by bringing a forge and helping people try their hands at blacksmithing on that day?

Blacksmithing is an awesome art, and we would love to help in breaking down the barriers people have to getting started.

Thank you again for your time, and I hope to hear from you soon!

If you have any questions I'm available by email, phone, or text message. My cell phone number is 405-420-9275.

Chris Syfrett

Tinkering Specialist

Science Museum Oklahoma

(405) 420-9275

Please contact Chris directly to coordinate the details if you would be interested in setting up to demonstrate at this event.

Oklahoma State Fair

The Saltfork Craftsmen Club is signed up to demonstrate at the Oklahoma State Fair again in OKC September 14-24, 2017.

We are looking for those interested in coming out to show your skills to fair-goers. If you are a current member of Saltfork Craftsmen and interested, please contact Michele or Richard Blasius at 405-324-2017 or 405-550-9850 with your name and the dates you are interested in volunteering. If you are not a member but would like to sign up, it's not too late to join the club.

We will set up the demonstration site Wednesday morning September 13 (providing the trailer arrives by then). As in years past I expect us to have a complimentary hotel room. This will be handed out on a first come, first served basis. Please look at the calendar and select your dates. You will receive free gate admission and a parking pass (while passes/supplies last), so sign up early. If you have any questions, please contact us. Hope to see you there!!

Saltfork Craftsmen Blacksmith Calendar						
2017 Oklahoma State Fair Demonstrators						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			13	14	15	16
				*	*	*
			Set Up	*	*	*
			9:00-??	*	*	*
				*	*	*
17	18	19	20	21	22	23
*	* Anthony Griggs	*	* Anthony Griggs	*	* Anthony Griggs	*
*	*	*	*	*	*	*
*	*	*	*	*	*	*
*	*	*	*	*	*	*
24						
*						
*						
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Around the State...

NW Region June Meeting: The Northwest Region Saltfork meeting was hosted by Terry & Jana Kauk at the shop SE of Leedey.



We had a good crowd and great weather thanks to a cool front the day before. The temperature was in the 80's with a nice NE breeze. The trade item was a cross and we had some really nice items. We had two coal forges going throughout the day.

A few days before the meeting I found a wren had her nest built in my gas forge. As



I'm writing this the baby birds have hatched and I have my forge back!



Our meal was pulled pork with lots of sides and deserts.

Thanks to LaQuitta and Donita for helping with lunch. Also thanks go to LaQuitta for taking pictures.





It was a good day to forge or sit and visit.
Thanks to all who came.
- Terry and Jana Kauk

(Photos by LaQuitta Greteman)

NE Region July Meeting: No meeting notes were submitted for July.

SE Region July Meeting: The SE Region meeting was held at Byron Doner's shop in Norman as a work day to make tools for the SCABA Annual Conference Tool Box.





There was a great turnout with around 40 people or more in attendance. (This is just an estimate as there was no sign up sheet and attendees came and went throughout the day.)

Several attendees donated their time to make a variety of tools for the Tool Box and there was a lot of sharing and helping as more experienced smiths lent a helping hand to those with less experience. Lack of experience didn't seem to stop anyone and all of the tools produced looked good.





Byron's shop is very well equipped and a lot of forging was getting done by hand hammer, power hammer, propane forge, induction forge, etc.

Byron and Carol opened up their home during lunch and a steady stream of hungry people paraded through the kitchen where a big spread including freshly grilled hot dogs and hot links was laid out. The weather was great and most people chose to eat outside. Mandell Greteman had made





some Dutch oven cobbler which was just one of the many desserts in the line up.

After lunch, there was a Board of Directors meeting held inside but many attendees returned to forging and just continued making more tools.

Overall it was a great day and a really good way to get a good start on the tools for the Tool Box.

Thanks to Byron and Carol Doner for hosting the meeting. And thanks to everyone who helped out at the meeting and everyone who donated their time to make tools for the Tool Box. The proceeds from



Tool Box tickets benefit Saltfork as this tradition continues. - Editor

(Photos by LaQuitta Greteman and Editor)

SW Region July Meeting: No meeting was held in July.



Anvil Quilt Drawing

The Saltfork ladies have made this awesome anvil quilt that will go to the winning ticket at the 2017 SCABA Annual Conference. This photo is an interim stage as the quilt is not yet finished. Tickets will be available for \$2 each at the Conference.

If you will not be attending this year's Conference, you can also obtain tickets from Carol Doner, LaQuitta Greteman, or the Secretary, Teresa Gabrish. (Or anyone else you see selling tickets at meetings, etc.)

The drawing will be held Saturday at the Conference.

Good Luck!

Changes to Scholarship Applications:

Saltfork Craftsmen has scholarships available to eligible members who attend educational classes and events with the intent of sharing the information with other members of the club.

At the recent July 8th Board of Directors meeting, the process for applying for these scholarships was revised to dissolve the interim step of the scholarship committee in an effort to streamline the process.

Thanks to the Scholarship Committee members for their hard work in the past!

Applications will now just be forwarded directly to the Board for approval. The Scholarship Application forms and website have not yet been adjusted to reflect this change but you deliver the current application forms to any Board member until they are revised.

If you are interested in taking a class, it is worthwhile to review the requirements for obtaining a scholarship. This money is there to be used to help members gain exposure to educational events and application for a scholarship is easy. The scholarships can be used to offset the costs for class or workshop expenses including the After-Conference workshops.

Go to the Saltfork website, complete and submit the application form (available in both Microsoft Word and Adobe PDF format) to any Board of Directors member:

<http://www.saltforkcraftsmen.org/Scholarships.shtm>



2017 SCABA Annual Conference People's Choice Awards and General Gallery

Two Categories:

At this year's Annual SCABA Conference, there will be something new for the People's Choice Awards. This year, we will have **two categories**, one will be for work done using "**Traditional**" methods and the other will be "**Open**," meaning open to use any and all methods of the artist's choosing.

As soon as we start placing labels on art and craft work, it becomes difficult to avoid creating overly limiting definitions to clarify those labels. The intent here is to separate work that is done with methods generally considered traditional to blacksmithing, such as forge welding, joinery, punching, upsetting, drawing out, etc. from more modern methods such as arc/mig/gas welding, stock removal grinding, etc. These "modern" methods have become, in many cases, much faster and easier to use than the traditional methods due to modern machines and equipment. This separation is an attempt to allow a potential gallery submission to be judged against other work on a more equal footing than is practical with a single overall category. Though not always true, some of the traditional methods require more skill and time to accomplish a finished result than by using more modern methods.

Does this mean you can't use your Baldor grinder with a wire wheel to clean up your hand forged gothic grille? No it is not meant to restrict time saving methods that don't really impact the nature of the finished piece and are really a faster equivalent version of the traditional "by-hand" method. It does mean you can't arc weld that one piece that broke off from a stress crack at the last minute and try to hide it with judicious grinding and reheating to cover the tracks with fire scale if you want to enter the piece as "traditional." Can't people cheat? Possibly. We are betting most won't. Will there be judgment calls or "gray areas" in what to call traditional? Probably. If there are any issues that come up, the Board of Directors will make a judgment on how to place the piece in the Gallery. Mostly, any benefit of the doubt will go to the entrant.

I have volunteered to coordinate this year's Gallery set up. If you have any special needs to display your piece or any questions, please let me know.

General Gallery:

We would also like to see a general gallery of work from all levels on display. It does not have to be all new work or work submitted for the People's Choice voting. It can be for sale or just for display. But we would like to have anything you are proud of to be on display. Even work by beginners is often an inspiration so please don't hold back thinking your work is "not good enough." Keep in mind, there will be visitors that have never even forged an S-Hook or a leaf key chain. Any work probably has something to teach and inspire others. Please consider bringing your items to display! - *Editor*

The 21st Annual

Saltfork Craftsmen Artist Blacksmith Association Conference

October 21st & 22nd 2017



**Featuring Live Blacksmithing
Demonstrations by:**

Robert Patrick

&

Lyle Wynn

Murray County Antique Tractor Assication Show Grounds:

7 miles north of Sulphur on Hwy
177, ¾ mile east on Tractor
Road. Sulphur, OK

Conference Schedule



Friday, October 20th

Conference setup starting at 8:00 am.

Saturday, October 21st

Registration opens at 7:00 a.m.
Demonstrations 8:00 am – Noon
Lunch break Noon – 1:00 p.m.
Demonstrations 1:00 – 5:00 p.m.
Dinner 6:00 p.m.
Drawing for toolbox 7:00 p.m.
Auction 7:00 p.m.



Sunday, October 22nd

Registration Opens at 7:00 a.m.
Demonstrations 8:00 – 11:30 a.m.
Lunch Break 11:30 – 12:30 p.m.
Demonstrations 12:45 – 4:00 p.m.
Cleanup and teardown 4:00 p.m.



Conference Set Up Work Day!

There is a Pre-Conference set up work day
scheduled for October 14th at the Conference site
(the Saturday before the Conference.)

If you are interested in helping set up for the
Conference, please feel free to attend that day.
Set up will include placing the bleachers,
installing the audio visual infrastructure, moving
various items around, etc. There will be a lot of
camaraderie among those elite volunteers who
choose to attend.

And, anyone who attends to help will receive
five tickets for the Tool Box and five for the
Anvil Quilt - A \$20 value! See you there!

21st Annual Saltfork Craftsmen Blacksmithing Conference

Registration Form
October 21st & 22nd, 2017

Please Print Clearly

Name: _____ Spouse Name: _____

Address: _____

Phone: _____ E-Mail: _____

Membership required for attendance.

Charge for non-members is \$10 for membership until March 31, 2018

	Number	Cost Each	Total
Conference Registration Fee (One Per Family)			
Saturday & Sunday (per family)		\$55.00	
Saturday Only (per family)		\$35.00	
Sunday Only (per family)		\$35.00	
Membership Until 03-31-18 for Non-Members		\$10.00	
Meals			
By donation at time of meal. Donation Jar will be set out when meal is served			
*Family Classes on Saturday			
Saturday Morning: Steampunk Resin Class		\$35.00	
Saturday Afternoon: String Art		\$30.00	
Beaded Bracelet or Earrings		\$10.00	
Copper Enameling		\$45.00	
*Family Classes on Sunday			
Sunday Morning: Wire Wrapped Pendant		\$45.00	
Saw Blade Paintings		\$10.00	
Total Payment Enclosed			

Make checks payable to Saltfork Craftsmen ABA.

Only one family Registration Fee (family members only) required per household.
(All meals and all material costs for Family Classes must be paid).
Saltfork Craftsmen T-shirts will be available at the conference.

Murray County Antique Tractor Association Show Grounds:

7 miles north of Sulphur on Hwy 177, ¾ mile east on Tractor Road. Sulphur, OK

Mail this form with full payment to:

Teresa Gabrish
PO Box 18389
Oklahoma City, OK 73154

All adults attending the conference must sign this disclaimer. Parent or legal guardian must sign for minor children.

Disclaimer: I understand that blacksmithing can be a dangerous endeavor. I understand that my safety is my responsibility. I understand the need for eye and ear protection; I will provide and utilize the necessary safety equipment for all activities. The Saltfork Craftsmen ABA, its officers and members are not responsible for my well-being. Registration for the Conference indicates my agreement to these terms.

Signature: _____ Date: _____

Signature: _____ Date: _____

Family Classes:

Steampunk Resin Pendant



Cathy Sabine has agreed to come teach a fun class in resin jewelry. Students fill a pre made bezel with a variety of trinkets and other items to create their own individual piece of wearable

art. Class is \$35 per student with all materials provided.

String Art Wall Hanging



Another class from Cathy, this one is a barnboard string art class. She has a few pre drawn designs or you can use graph paper to make your own design. Each piece is a work of art. Class is \$30 per student with all materials included.

Beaded Bracelets/Earrings:



Mecca Waite will be teaching a basic beaded bracelet or earrings class on Saturday afternoon. Price

of this class is \$10.00 each with a limit of 10 students.

Wire Wrapped Pendant:



Teresa Gabrish is offering a wire wrapped pendant class. Class will include a choice of gemstones as well as copper and bronze wire to complete a pendant.

\$45.00

Copper Enameling:



Teresa is also offering a copper enameling class. The project will consist of copper shapes that students can use enamel powders to decorate then torch fire to create pendants and other pieces.

\$45

Saw Blade Painting:

Carol Donner has agreed to offer a class on painting pictures on round sawblades.

2017 SCABA Conference RV Reservations:

RV reservations are available if you plan on camping on site and need an RV hookup. Primitive camping is also available with access to clean toilets and showers if you prefer primitive camping.

RV hookups are available for \$20 per RV per night (to the Tractor Club) for electric only service. Spots are already being reserved so contact J. J. McGill as soon as possible if you would like to make a reservation.

Contact J. J. McGill at 580-369-1042 or jjmcgill88@yahoo.com



2017 SCABA Conference



October 21st and 22nd

Sulphur, Ok

Demonstrators: Bob Patrick and Lyle Wynn

Conference Workshops October 23, 24 and 25th:

SCABA has set up on site workshops with the demonstrators - Bob Patrick and Lyle Wynn - *after* the conference. Each demonstrator will conduct a 10 student workshop over three days following the conference (Monday through Wednesday). The workshops will run concurrently so you will only be able to register with one instructor. This is an amazing opportunity to receive hands on instruction with instructors of this caliber.

Participants must provide their own (or arrange to borrow) safety gear and forging stations including anvil, forge, vice, and basic forging tools such as hammers, tongs, chisels, and punches etc. Specific tooling requirements for any tools that will not be provided will be made available before the workshops.

These may not be beginner classes and basic forging abilities including some forge welding may be required. (You do not have to be an expert, there will always be others to help you through challenges. And stretching our abilities is part of the point of these workshops. But if you are just learning to forge, these workshops may be difficult.)

Participants are first come, first served and must call or e-mail the Workshop Coordinator, Mandell Greteman, to register.

******UPDATE: At the time of printing this newsletter, there are two seats remaining for Bob Patrick's Workshop and three for Lyle Wynn's Workshop.******

Cost for a workshop is \$350 per student. Meals will be included. Registration fee will need to be paid in full within 21 days of registration or you may lose your place in the workshop if there is a waiting list. Cancellations will be accepted for a 50% refund up to September 30th. After that, the registration fee will be non-refundable.

If you have registered for the workshops, additional details will be provided as available.

If you have any questions, contact **Mandell Greteman 580-515-1292 or mandell01@windstream.net**.

Conference Demonstrator Workshop Information:

Bob Patrick:

I have 3 projects lined up. I haven't figured an order for them. I only have photos for 2 of them right now.

1. a fleur d'lis door knocker
2. a forge welded trivet
3. a basket handled poker with 6 round rods for the basket forge welded and a forge welded tip. A fancy twist in the middle, different from square twisted rod.

The projects can be made simpler or fancier depending on the skill of the students. They may take more than one day for a project. I simply want to have enough work for everybody to do. Students should be able to do good, basic forging. The forge welds used will be taught in the class. I know the level of skill varies. No one will be pushed. I plan on helping people a lot. I have taught people since the late 1960's.



Lyle Wynn: Born: March 22nd 1962 From Jackson MS. Started blacksmithing in 1998 because his uncle gave him all the essential tools that originally belonged to Lyle's grandfather. Having the tools but not the knowledge, a never ending journey began. Lyle joined the MS Forge Council in 1999 and began attending the monthly meetings. As we all know if you want to learn a craft watching someone once a month for a couple hours is not a very good way to learn. Therefore he started venturing to other states to attend other meetings and conferences, and attend as many different classes as could be achieved. In September of 2009 he started working with Brian Brazeal and began demonstrating and teaching the "tools to make tools" curriculum. They traveled all across the US and into Canada for several years. In 2011 Lyle got laid off from a company that made gas and electric lanterns from copper after being there for 12 years. He then started blacksmithing full time. Through demonstrating, teaching, and attending festivals what used to be a hobby had turned into a full time endeavor. Lyle started working with Stan Bryant in 2012 and was impressed with his determination. They combined efforts in 2016 and are now teaching and demonstrating together. They have a blacksmith shop in Mendenhall, MS called Walnut Cut Forge and are hosting classes and traveling to do demonstrations as they present themselves. There are lots of photos on Lyle's and Stan's Facebook pages. A website is under construction, and Lyle also has a Youtube channel.

The following is just some info that might be of interest: Forging is an exact science. The top die, (your hammer) and the bottom die (your anvil) are precise, The metal will do the same thing every time you use dies to shape it. The top die can be of many different forms, (round face, cross peen, flat face, straight peen, and any of these in multiple sizes) the bottom die can be many different surfaces as well. The near side of the anvil, whether it is a round or square edge, the far side of the anvil. The flat surface on top, the horn, large round surface and small round surface.

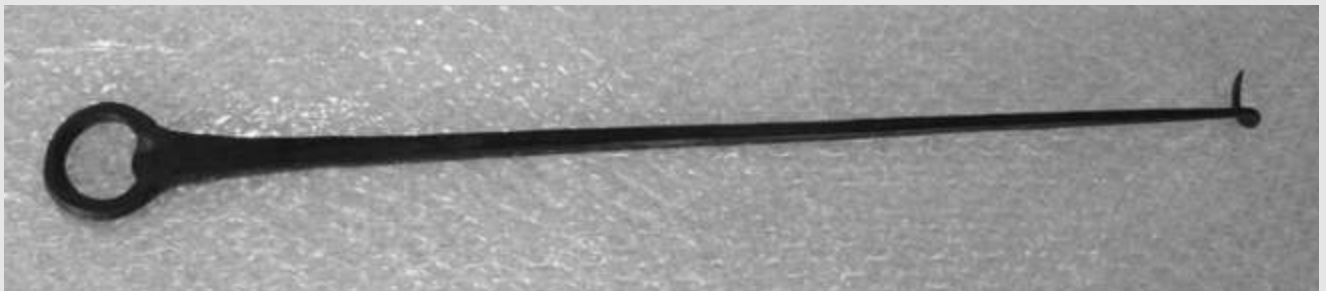
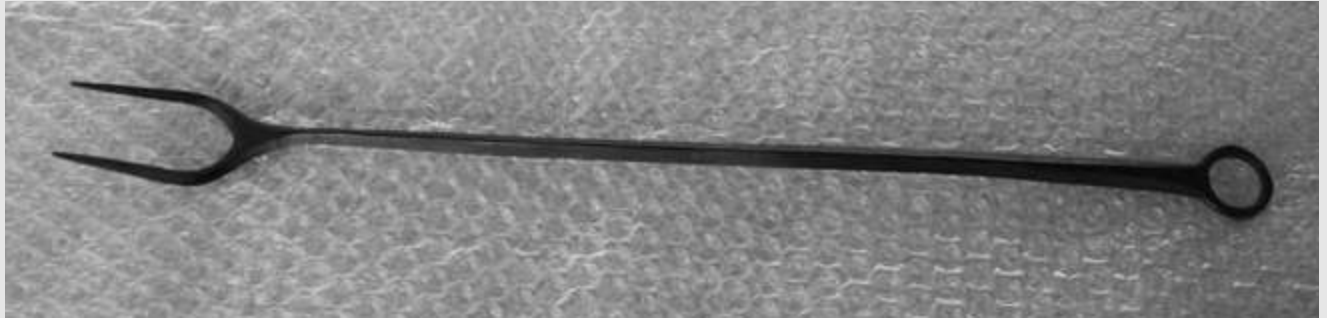
Forging Elements: Forging is defined as, "the shaping of metal using localized compressive forces" This can be achieved easily or it could involve lots of work to shape metal to the desired dimensions. Efficient forging is what we should all be wanting to achieve. This is done simply from, "a heat, a hold, and a hit". The heat, a proper heat will allow you to move metal easily and be able to forge it longer. The hold, a proper pair of tongs is required for holding the metal and allowing you to have the dexterity to manipulate it fluidly. The hit, represents the top and bottom dies being used together to generate the required force. The least efficiency way to move metal is to use a flat die on top and a flat die on bottom, this also causes you to lose more heat. By reducing the surface area contact of the top and bottom die it increases the energy that you are able to transfer into the hit, in addition it also reduces the area that lays on the anvil to maintain heat.

There are very effective elements of forging for drawing tapers, reverse tapers, and creating bars. All these elements of forging are to be done in such a way that you can maintain a structure to create bars, and tapers in such a way that you will learn what true efficiency in forging means. Whether you are new to blacksmithing or have been at it for years, if you don't understand how easy a one heat taper can be achieved, or if you cannot explain why you do the things you do seeing Lyle and Stan demo will definitely help you to further your knowledge in forging. Everything done to a piece of metal is done for a reason.

Conference Demonstrator Workshop Information:

Lyle Wynn: Lyle Wynn's projects for the workshop will generally include items that can be forged as good demo items and that also sell well at craft fairs, shows, etc. The projects will include some jewelry (bracelets and rings) and there will be some forge welding of copper. (Yes, forge welding copper - that's not a typo.) Lyle says that students will make all of the tools required to make the items in the workshop (special punches, etc.)

Lyle's partner Stan Bryant will also be demonstrating at the conference and will be available during the workshops.



Iron in the Hat

Gerald Franklin

Many of our newer members were confused at last year's conference as to what this "Iron in the Hat" (IITH) thing was all about. Since I have been appointed as the IITH coordinator for the conference, I guess it's one of my duties to explain the tradition and how we observe it at our conferences.

The Iron in the Hat activity is an old blacksmithing tradition (exactly how old is anybody's guess) that makes a little money for the sponsoring organization and provides an outlet for some of the things that an individual smith may not need anymore but another smith may "covet". Basically it's a raffle of sorts where items are donated, tickets are sold and drawn and the items then change owners.

Here's how it works at the Saltfork Conference. Members, merchants, and just good people donate items. We put the items out for display with a paper sack beside each item. Tickets are sold and buyers put one or more tickets into a sack corresponding to an item they are interested in. If you would really like to have a particular item, put several tickets into the sack. At a particular time a winning ticket is drawn from a sack and then taped to the item. Buyers then come by and check the tickets to see if they are a lucky winner. This is pretty simple, and there will be more information posted at the conference as to price, frequency of drawings, etc.

So, what makes it work? The short answer is "item donors and ticket buyers". You can help in both ways. Bring stuff to the conference to donate to the IITH table. This may be a piece of tool steel that you don't need, an extra pair of tongs (I know, NOBODY has an extra pair of tongs), supplies such as flux, rivets, old files, new files, etc. When you go to the hardware store and you see a set of screwdrivers, for example, on sale at a ridiculously low price, buy it and bring it to the conference for IITH. I have already had folks drop donations off with me so it's not too early to think about what you want to donate. Each year I manage to bring a few things and I used to wonder what would be appropriate. It finally hit me that if I would be interested in a certain item, chances are somebody else would be interested in it, too. So now when I'm standing at the bargain bin at Harbor Freight, I buy things that I'd like to have. Simple stuff like epoxy, sandpaper, soapstone, steel tapes, etc are always welcome.

So, we've talked about donors. The other part of the deal that makes it work is buyers. Even if you show up at the conference without anything to donate to IITH, you can buy tickets. They will be on sale by several sellers. You can't win if you don't play.

Not everybody who comes to the conference brings donations. Not everybody who comes buys tickets. Not everybody who buys tickets wins something but every little bit helps raise a buck for the association. It's not cheap to put on a conference and we've managed to keep registration fees low for many years. Think about this: if 100 conference attendees buy \$10 worth of IITH tickets, that's \$1000 that can go a long way toward paying for demonstrators, travel, materials, etc.

2017 SCABA Conference Tool Box

At the July 8th meeting at Byron Doner's shop, the meeting attendees used the day to make tools for the Conference Tool Box.

Bruce Willenberg has volunteered to keep track of the tools until the Conference. This is a list of suggested tools that would go along way to making a well rounded tool box collection but the list is only a suggestion.

The items marked with a "yes" are already on hand for the collection at the time of the July 8th meeting. If you would like to make a tool for the toolbox, feel free to make something from this list or something else you think would be a good item to add to the collection.

Any donated tool is greatly appreciated as proceeds from this drawing benefit the Saltfork club as a whole but hand made tools are the most appreciated by those interested in winning the box. Either way, the winner of the tool box drawing will have a nice collection of usable tools that they will be proud to own.

If you would like to check on the most current status of tools in the collection, please contact Bruce Willenberg to see what, if any, tools have been added since this list was published. You can contact Bruce 405-227-4547 or by e-mail at: brskw1976@yahoo.com

Tickets for a chance to win the box will be available up until the drawing at the auction on Saturday night. If you will not be able to attend the conference and want a chance to win the tool box while supporting the club, tickets may be purchased from the Secretary (Teresa Gabrish.) Tickets are \$2.00 each.

Suggested Items	Donated
1 lb. cross peen hammer	Yes
1 1/2 lb. cross peen hammer	
2 1/2 lb. cross peen hammer	
Rounding hammer	
Hot slit chisel	Yes
Handled hot cut chisel	Yes
File, flat bastard cut	
File, half-round bastard cut	
Farrier's rasp	
Hacksaw	
Rivet backing and setting tools	
Scribe	
Center Punch	
Center Finder	
Dividers	
Tongs	
1/4 V-bit	Yes
3/8 V-bit	Yes
1/2 V-bit	Yes
Punch, Square	Yes
Punch, round	Yes
Punch/Chisel set with tongs	Yes
Scroll pliers	
Soapstone and holder	
Abrasive block, small piece of grinding wheel	Yes
Chisel, large	Yes
Chisel, small	Yes
Metal ruler	Yes
Ball tool (round blunt nose punch)	
Hand held spring swage for tenons	
Hand held swage for necking down	
Set of monkey tools (1/8", 3/16", 1/4")	
Bending forks	Yes
Flux and flux spoon	
Twisting wrench	
Hot cut hardy	
Bolster plate	Yes
Finish wax	
Shovel	
Rake	Yes
Poker	Yes
Sprinkler Can	Yes
Water can	Yes
Multi Square	
Nail Header	
Flatter	Yes
Wire Brush	Yes
Hold Fast	Yes



Aspery, in Glen Rose, Texas Nov. 11-12-13, 2017

Information and reservations:

Ron Stafford 209-610-3448

hotshuz002@Gmail.com

This will be the third year we will have one of the most respected and capable blacksmith educators in North America, for a hands on clinic with you. Mark is the former editor of ABANA's **Hammer's Blow** magazine. He authored three volumes of **Mastering the Fundamentals of Blacksmithing**. Mark was 2014 recipient of the prestigious BEALER award.



“Old School” - training for the blacksmithsmith.

This clinic will cover many techniques associated with Marks popular Old School series. As always, Mark will start with calculations, techniques, and a demonstration. After which you will reproduce the tools or forged item.

Prepare to Learn

Mark Aspery will conduct a full participation, hands on clinic. Come prepared to work at the anvil and learn. You will bring your own set-up, anvil, fire, water bucket, basic hand tools, etc. Bring your shade "Easy Up", big hat, etc.

We may have some set ups available, however they must be reserved early to guarantee availability.



Accommodations:

This clinic is being conducted on a pecan covered property in Somervell County near Glen Rose, Texas. This is a tourist town and numerous motels are located just 5 miles away. Camping your thing? There is lots of room for you to park your camper or pitch your tent. Dry camping at no charge. We try to accommodate your needs where possible, so if you have any questions please ask.

Cost and Information:

The fee for the three day clinic will be \$450. (*Discounts for early entry apply. Pay by September 30th \$400, a savings of \$50.00.*) For those with limited time, the daily rate is \$150. For reservations and information please contact Ron Stafford:

209-610-3448

hotshuzoo2@gmail.com

Rounding Hammer

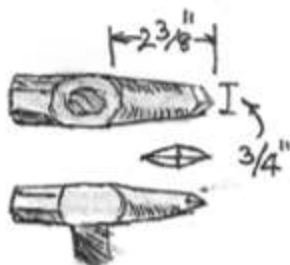
from Brian Bruzeal's class
(Jim Gray's Notes)

Materials Used

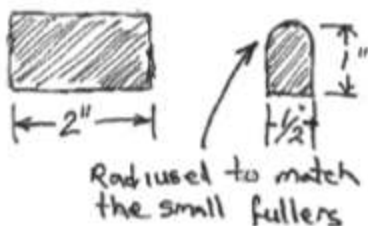
1 5/8" DIA 1045 Round
3 3/4" Long

Tooling

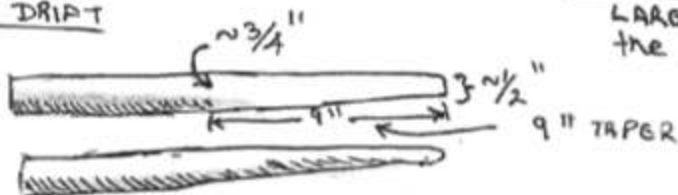
Punch



Two "Humps"



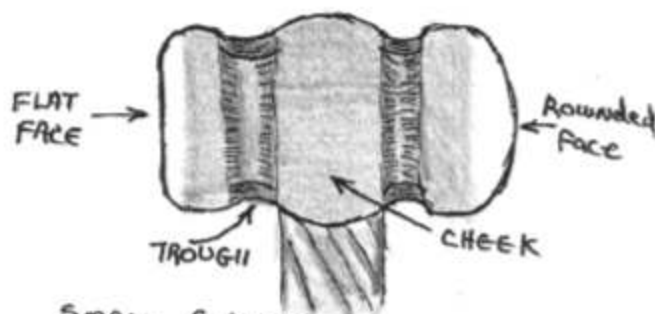
EYE DRIPT



OVERVIEW

PUNCH EYE

- Forge cheeks.
- THIS ALSO forges the eye ENLARGING and shaping it. MUST KEEP THE DRIPT INSERTED
- FIRST FORGE THE BULGE CREATED WHEN PUNCHING THE EYE
- THEN FULLER THE "TROUGH" TO ISOLATE THE CHEEKS FROM THE FACES
- FINALLY FORGE CHEEKS DOWN TO THE BOTTOM OF THE TROUGHS



SMALL FULLERS
(MATCHING TOP & BOTTOM)

LARGE FULLERS
(MATCHING TOP & BOTTOM)



~ 1" radius



only slightly Rounded

cup



curve to match Hammer face

LARGE Flatter

LARGE ENOUGH to cover the face of the Hammer

FORGE FACES

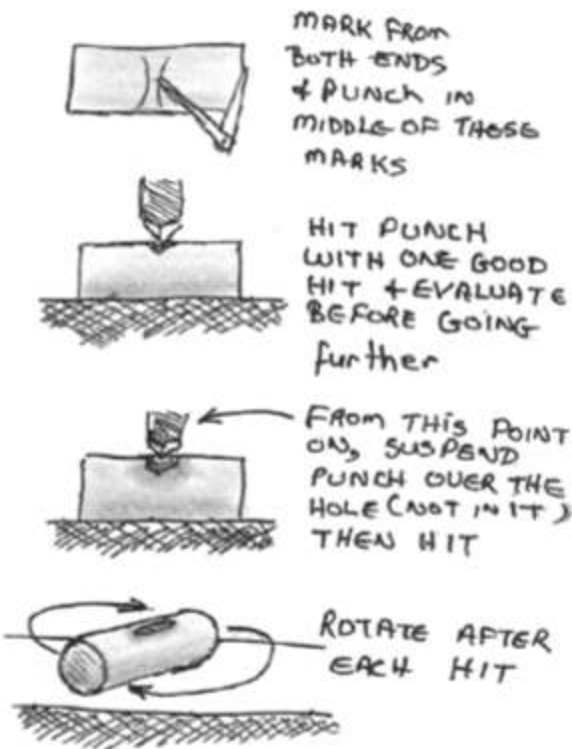
THIS NOT ONLY SHAPES THE FACES, IT ALSO RELEASES THE EYE DRIPT. THIS IS REPEATED WHILE FORGING THE CHEEKS

HEAT TREAT

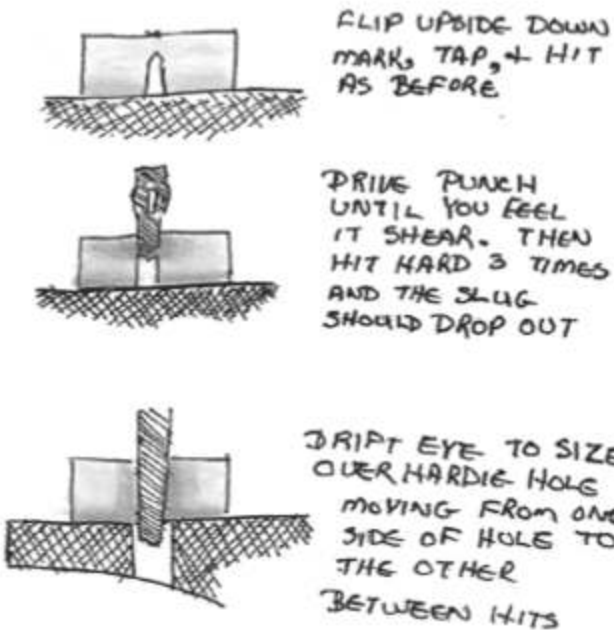
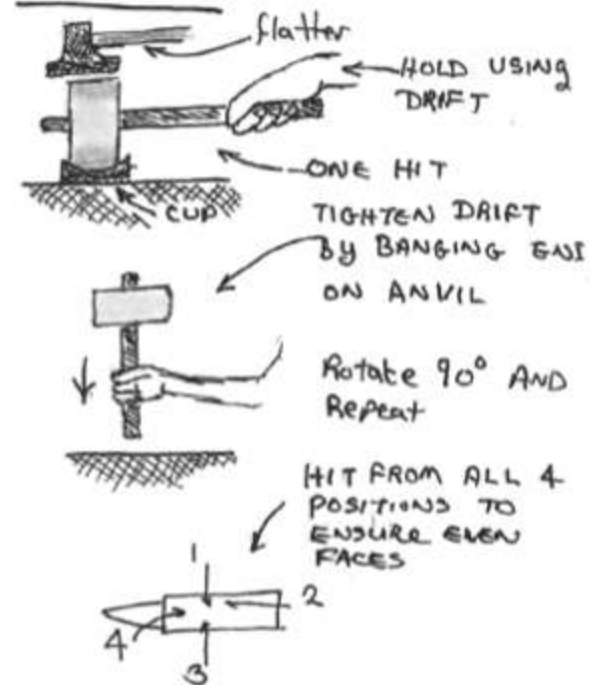
POLISH

MOUNT HANDLE

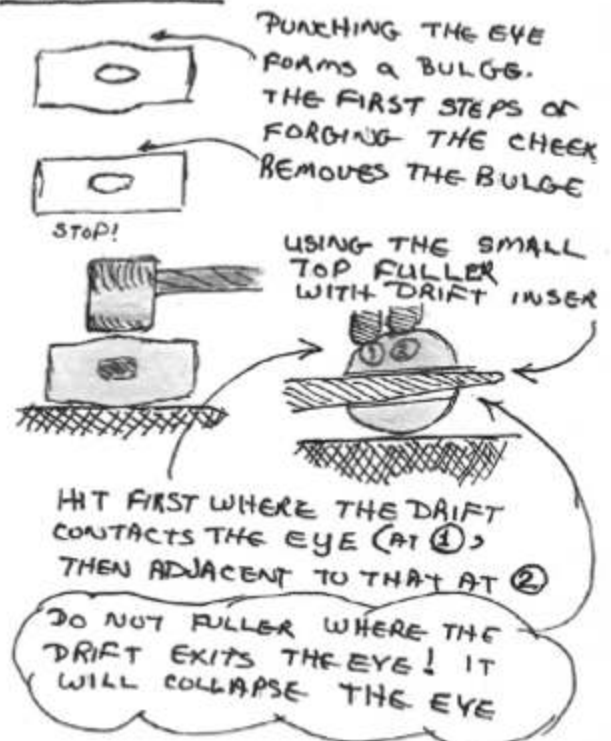
-2-

PUNCH EYE

WHEN THE PUNCH BOUNCES BACK THE HOLE WILL BE CLOSE TO 1/4" FROM THE BOTTOM

FORGE FACE

REPEAT FORGING FACES WITH DRIFT INSERTED FROM OTHER SIDE

FORGE CHEEKS

-3-

INSERT DRIFT FROM OTHER SIDE
AND REPEAT

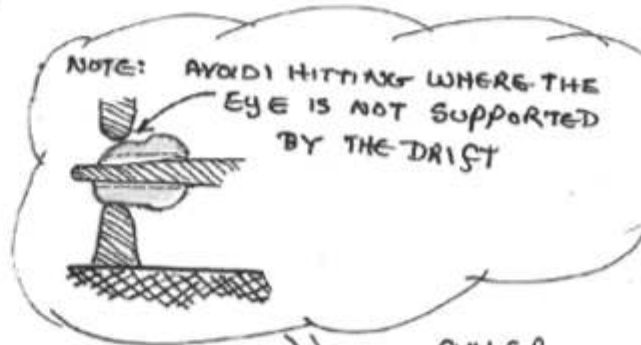
FORGE FACES AGAIN

REPEAT FORGING CHECKS UNTIL
HAMMER BULGE IS WORKED
DOWN

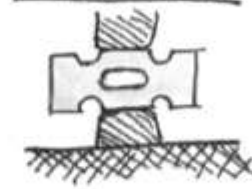
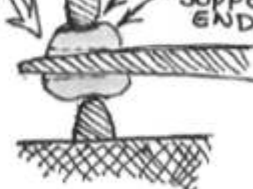
TIP



WHEN WORKING ON CHECKS
KEEP EYE VERTICAL TO HEAT
CHECKS EVENLY



FULLER CHECKS

FULLER
MIDDLE T
SUPPORT
END

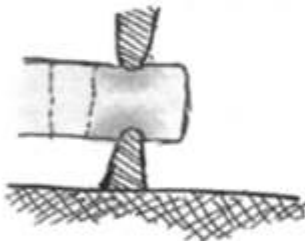
FORGE FACES AGAIN

INSERT DRIFT FROM OTHER END

(HINT: WHEN REMOVING THE
HAMMER HEAD FROM THE FIRE
AND WHERE THE EYE HOLE
IS SHINY, AND INSERT DRIFT
INTO THE OTHER END

FULLER TROUGHS

TOOLS: SMALL TOP + BOTTOM FULLERS



START WITH EYE
UP (MINIMIZES
DISTORTING THE HOLE)

- HIT TWICE
- ROTATE 90°
- HIT TWICE
- HIT DIAGONALS

REPEAT ON OTHER END

FULLER CHECKS FROM THE
OTHER SIDE

CONTINUE WORKING THE CHECKS
UNTIL THEY ARE WORKED DOWN
CLOSE TO THE BOTTOM OF THE
TROUGH.

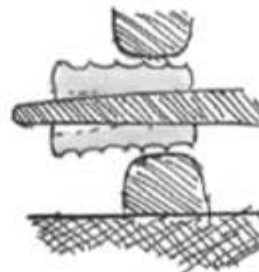
FROM TIME TO TIME MAY HAVE
TO SHARPEN THE TROUGHS

TIP

WHEN WORKING ON TROUGHS
HEAT WITH EYE HORIZONTAL
IN FIRE

CLEAN UP CHECKS

(SWITCH TO THE LARGE FULLERS)



OVERLAP BLO
TO DEVELOP A
SMOOTH FINISH

RETURN TO CHECKS

RESET DRIFT OVER HARDIE HOLE
USE "HUMPS" TO
SUPPORT TROUGHS
AND PROTECT FROM
DEFORMING METAL



SWITCH DRIFT TO OTHER SIDE
AND REPEAT

SHARPEN TROUGHS AGAIN

-4-

HEAT TREATINGTOOLS NEEDED:

TWO DRIFTS
WILL HEAT ONE WHILE
USING THE OTHER

TWO PAIRS OF TONGS FOR
HAMMER HEAD

ONE TO HOLD IT HOT

ONE TO QUENCH

TWO PAIRS OF TONGS
TO HOLD EACH END OF A DRIFT

WHEN THE DRIFT HAS COOLED,
REPLACE WITH THE SECOND DRIFT
BUT INSERT IT FROM THE OTHER
EYE HOLE END

KEEP HEATING IN THIS MANNER
UNTIL THE POLISHED FACES
DEVELOP A STRAW TEMPERING
COLOR

THEN COOL

PROCESSHEAT FACES TO A UNIFORM COLOR

SWITCH ENDS
TO KEEP FACES
UNIFORM

ONLY HEAT FROM
TROUGH TO FACE

CONTINUE HEATING, LOOKING FOR
CENTER OF FACE TO STOP
BEING BLACK - WILL FORM
A UNIFORM LIGHT GRAY
LAYER OF SCALE

(CHEEKS & EYE MAY STILL BE
BLACK)

(NOTE: THIS IS 1045 STEEL, NO
ANNEALING STEP IS NEEDED
WATER IS SUFFICIENT FOR
QUENCHING)

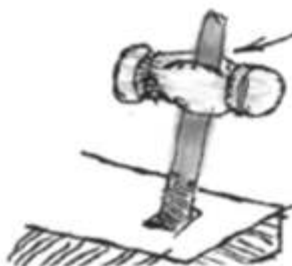
QUENCH

IN WATER, AGGITATE VIGOROUSLY
TO PREVENT BUBBLES

REMOVE WHEN COOL (SHOULD NOT
STEAM WHEN TAKEN OUT)

POLISH FACES

WILL ALLOW TEMPERING COLORS
TO BE EASILY SEEN

INSERT HEATED DRIFT

DRIFT HEATED
TO DULL ORANGE
INSERT FULLY
AND LET STAND

HEAT THE SECOND
DRIFT

This article is re-printed courtesy of the Alex Bealer
Blacksmith Association, The Hammers Arc Newsletter,
December 2016

This article is re-printed courtesy of the Pittsburgh Area Artist-Blacksmith Association Newsletter, Dec 2016



Brown Paper Packages Tied Up with STRING!!!!

By Don Pfaff

PAABA/WRABA member Don Pfaff has solved some of your holiday tasks and gifts. Not only will he help you with a gift idea, but will help you wrap it efficiently too! This string holder will be a handy item to use as well as improve your metal working skills. It includes tapering, manipulating a length of round stock with control, developing an "eye" for scrolls, and allows for a little imagination on your part to put on a finishing touch. The materials needed are what you already have on hand, so no excuses there. You just need a few tools and a little time and patience and you will be "winding up" the holidays with great gifts...give it a tie...I mean try!!!

Materials:

5 1/2' of 1/4" round

How to:

1. Clean the rust off your material before you begin this project, it is difficult to clean afterward. Make a tiny scroll, make sure the rat tail is HOT. Watch for a flat spot. This is critical because it will be noticeable if it is not a beautiful scroll.
2. Start scrolling the material using the Archimedes theory in mind. When you have a nice scroll then go to 1/2" even spacing between and roll evenly. Tip: to check your evenly spaced "rounds", insert a 1/2" bar in the concentric circles as you wind.

Option: You can wind tighter circles but you will use a lot more material.

3. You can roll the material on an anvil, but Don uses a 4" vise and rolls a 4" circle, keeping 1/2" spacing as he goes. (See photo, Top/Right)
4. Use a swage block and a steel ball to shape the bottom of the string holder. The steel ball needs to be just a bit smaller than the swage block indentation. Simply drop the steel ball onto the hot spiral over the swage ball indentation for the evenly shaped string holder. Tip: You can find steel balls at flea markets such as Rodger's.
5. Let air cool. Then wind remaining stock onto 3 1/2" pipe, cold, 3 times to form sides. (See photo, right)
6. Weld on finial of your choice for the wall mount. This is where you can use your imagination or theme to complete the project. Don added on a leaf for a mounting area and also a branch with an owl for another holder. If you are making this item as a gift, include a ball of string, just to clarify the use of this item. It is an original, useful and an unique gift. All the things a gift should be!



Above: Drop steel ball into swage block to get an evenly spaced holder. Left: a perfectly made rat tail is important. Right: Two variations of the project, added decorative item can be simple or involved.





Dave Custer (PAABA Demonstrator for August 2017!)

Dave was the demonstrator for the Fall ABA (Appalachian Blacksmiths Association) Conference. He was an amazing smith; very accomplished and comfortable at the forge. He has a sense of humor, a lightheartedness, his confidence is clearly recognizable, and his ability to use a hammer is impressive. In addition to his obvious physical strength he has a humble and friendly approach to his craft....at only 24 years old! You won't find "attitude" with this young man, he is a truly talented individual and an all around nice guy.



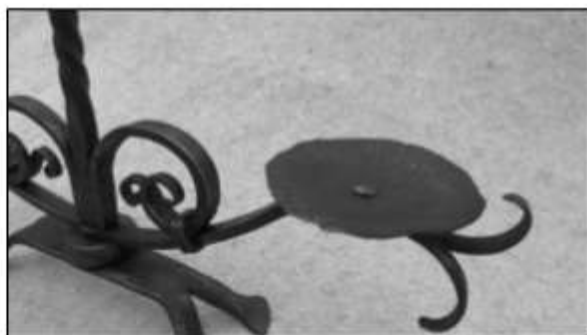
Dave made a three candle candelabra in record time using traditional methods and an elegant bird sculpture on Saturday. His use of tools and tooling is efficient and purposeful. The following tips are from his demonstration. PAABA has scheduled Dave to demonstrate at Steel Welding in August 2017! In the meantime, read these tips and apply them to some of your projects, you are sure to save time and perfect some of your techniques.



Dave's Tips:

On splitting-

- ♦ Just split from one side, and forge the edge back in. Dave feels that splitting from both sides leaves a ragged edge. He carefully watches the "split happen" without cutting into his anvil.
- ♦ Having a "V" shaped end ground on a slot punch guides the metal around the punch instead of plowing like a flat punch.

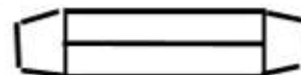


NO- Too much stress at the "Y".

- ♦ Don't bend the leg all the way down after splitting. It is common to want to get it out of the way to clean up the leg you are working on but it puts undue stress on the split, just move it out of the way then clean up the other leg. You will have much more success.

More Tips Continued:

- ♦ If you want a 3/8" hole make a 3/8" slot.
- ♦ Dave makes his chisels softer than the anvil because it is cheaper to sharpen a chisel than to repair an anvil face.
- ♦ Dave uses Iron Mountain Flux for forge welding. It has iron filings in it for a little traction as he calls it when welding. He finds it gives him a more consistent and even weld. When asked about using Borax, Dave commented that he found it slippery and did not get as good of results.
- ♦ He recommends chamfering all edges for a finished look on a flat bar.
- ♦ Dave uses a flat jaw tongs as opposed to box tong or other tongs because you can release your grip slightly and move material to a more ideal position quickly. It takes some time to get use to this method and you need a firm grip.
- ♦ If you are "eyeballing" a center, use a light hammer first to mark, it is easy to make the adjustment.
- ♦ When making a tenon, be careful when you turn it, you can easily twist it off as you are forging or cleaning it up.
- ♦ Grab enough material to forge a small tenon then cut it off to correct size/length. No use spending the energy and aggravation to forge a tiny tenon when making it a little longer is more efficient, just cut off the extra length.
- ♦ Refer to the center post on the candelabra (right), slightly taper the this area before twisting, it gives it an elegant finish to the work, this subtle detail make a big difference.
- ♦ If a candle disc is too thick, forge the edges to thin a bit, it will give the illusion of lighter stock.
- ♦ When checking two scrolls to match, make one side then proceed to next. Resist pulling out the ruler, it sometimes complicates things more than needs to be – train and use your "eye"!
- ♦ Get in the habit of NOT putting your tongs in the fire.
- ♦ Taper just the tip of a collar, it makes it just a bit easier to wrap around, and let it air cool because you are going to wrap it around cold.



Background

Dave began blacksmithing when he was 13 and what started out only 9 years ago with a goofy looking fab-shop version of a brake drum forge, an old champion #400 hand-crank blower, a small 4-nch post vise and a little 89 pound Trenton anvil and now has now developed into the Fiery Furnace Forge Blacksmith LLC - a bustling and crowded 720 square foot shop located in Columbia, Kentucky. At the age of 18 he started taking classes at the John C. Campbell Folk School where his instructors included Jerry Darnell, Greg Price, Mark & Mindy Gardner, Steve Williamson and, of course, Clay Spencer. Spending time with Brian Brazeal in Mississippi also had a great influence on his forging style. Dave was a member of the Young Smiths 2012 forging team, spending 30 days traveling the mid west demonstrating at the ABANA conference and teaching at different blacksmith venues. 2013 was the first year Dave had attended Quad State and he won the forging competition, and over the past year he has assisted Clay Spencer with teaching several classes.*

*From SOFA SOUNDS 2014 Program

Right: Three candle candelabra made using traditional methods in record time!



This article is re-printed courtesy of the Pittsburgh Area Artist-Blacksmith Association Newsletter, Dec 2016

Saltfork Craftsmen Artist-Blacksmith Association

Forging Non-Ferrous Metals

By Jim Guy (Reprinted from Sept. 2016
Alex Bealer Blacksmith Association)

There are a number of beautiful examples of ironwork that uses copper or bronze as a way of adding color or contrast to traditional iron work. This is something that I feel will add another dimension to my work. The "Forging Non-Ferrous Metals" class at John C Campbell has provided a good grounding in the basics to make that happen. The instructor, Lucas House, led us through forging aluminum, silicon bronze, naval brass, copper, and stainless steel. Each day begun with a forging demonstration of one of these metals, leaving us the rest of the day to work with a metal of our choosing. Lucas also reviewed other topics which are important to completing any non-ferrous work. These included silver soldering as an alternate means of joinery, finishes and patinas.

What surprises me is that once you overcome some key differences with these metals, the process used to forge it is very similar to steel. As a result, the following descriptions will focus on identifying these differences such as the right forging temperature and how the metal behaves.



Figure 2 "J" hook in aluminum, copper, naval brass and silicon bronze

Silicon Bronze

The most common silicon bronze alloy used by blacksmiths is 655 (also known as C655 and C65500). Silicon bronze is corrosion resistant and has relatively good strength.

Forging temperature

Forge silicon bronze at a dull red in a light area.

Forging tips and Observations

- Silicon bronze does not generate scale. There is a great deal of blackening that must be removed before a finish is applied.
- Transfers heat quickly but not as quick as aluminum
- Fractures when heated too hot
- Works like steel when at temperature
- When buying silicon bronze:
It is typically priced by pound regardless of shape
Round stock is always cheaper than other shapes

Copper

The copper alloy used in class is copper 101, a low oxygen alloy with a copper content of 99.99%.

Forging temperature

Slightly cooler than silicon bronze, a faint red.

Forging tips and Observations

- Will conduct heat instantly
- Most forgiving metal
- Can basically forge cold
- Blackens when forged (does not form scale)

Naval Brass

464 Naval has many good qualities such as a pretty color, corrosion resistance.

Forging temperature

Slightly cooler than silicon bronze, a faint red (basically the same color as copper's forging heat)

Forging tips and Observations

- Work small points cold
- Butter soft at the high end of forging temperature
- NOT forgivable. Will fracture if forged too hot or too cold

Aluminum

We used 6160 aluminum in our forging. This is one of the most common alloys of aluminum for general-purpose use.

Forging temperature

Aluminum at the correct forging temperature does not give any visible sign of temperature. Identify the correct temperature when:

- A black sharpie marker line on the metal disappears
- A piece of wood chars or smokes
- Aluminum may feel like it hits a sticky place on the anvil surface

Forging tips and Observations

- Aluminum does not generate scale. There is some blackening, but not much
- Transfers heat quickly (in other words, keep your tongs handy!)
- Fractures when worked too hot
- Aluminum can work-hardened. (bar stock comes work hardened unless ordered annealed)
- Anneal by heating and let cool (may air cool or quench immediately after heating, doesn't matter)
- Annealed aluminum can be forged cold to some extent.

Figure 3: 3" Aluminum rod forged at too high a temperature



Stainless Steel

Forging temperature

Forge stainless steel at a bright yellow, almost white.

Forging tips and Observations

- Requires more heat than steel
- Harder to move metal at forging temperature than steel.
- Does not transfer heat quickly
- Blackens when forged

Joinery

Traditional joinery techniques apply to all these metals (such as collars, rivets, mortise and tenon joints). Most can be welded via TIG and MIG.

Finishes

Finishing the metals discussed above follow a similar process:

1. Remove accumulated oxides
2. Apply patina (optional)
3. Apply a finish

Oxide removal

The only option for aluminum is to brush off the black oxides with a stainless steel brush. Use an acid bath with the other metals, it will save a lot of time.

The class used muriatic acid undiluted for its acid bath. Take two plastic containers big enough to hold the items to be cleaned. Put muriatic acid in one and water in the other. Soak the items for an appropriate amount of time, up to a couple of minutes for naval brass, silicon bronze and copper. Then dunk them into water to remove any residual acid and stop further etching. After an acid bath, brush with a brass brush or fine steel wool to remove any remaining black oxide and to polish the surface.

Stainless steel is a bit different. Need to wire brush stainless before the acid bath to remove any loose black oxide, then let sit in the acid bath overnight. Warning: etching stainless steel after etching copper or silicon bronze in the same acid bath will copper plate the stainless steel.

Aluminum will dissolve in muriatic acid if given enough time (5 to 10 minutes). However, if you just dip it in quickly, will etch a nice gray finish.

Patinas

Copper, naval brass and silicon bronze do not really need patinas and will naturally develop a pleasant patina over time (silicon bronze will turn a nice dark brown).

In class, we used patinas from Sculpt Nouveau. Traditional Black Magic for copper, naval brass and silicon bronze. And Birchwood Casey Aluma Black A-14 for aluminum.

When using patina's, don't just use it out of the bottle. Put it in a cup to minimize contamination. From there, just wipe it on and then wash it off.

- With steel: wash off immediately
- With silicon bronze, wipe off after a few seconds and then rub with steel wool
- Naval brass turns black instantly!

We used liver of sulfur in our recent copper class. This seems to behave similar to the Sculpt Nouveau patinas. Directions for all of these patinas recommend using them hot. We didn't in class and had good controlled results.

Finish

Most finishes used on ironwork can be applied with these metals: clear lacquer, min-wax wipe-on poly, beeswax and Johnson's paste wax are all good. Consider using no finish to allow natural weathering.

Sources

Metal:

Online metals (<https://www.onlinemetals.com/>)
Atlas metals supply (<http://www.atlasmetal.com/>)

Finishes and Patinas:

Sculpt Nouveau (<http://www.sculptnouveau.com/>)
Source for:

- Traditional Black Magic: used in class on naval brass and silicon bronze
- Birchwood Casey Aluma Black A-14: used on aluminum

Rio Grande (<https://www.riogrande.com/>)

Source for:

- Silver solder and supplies
- Patinas

Muriatic acid is available from Home Depot and Lowes look for the product used for cleaning floors or adjusting swimming pool ph levels.

Below: Three photos show difference when printed in color more clearly.

Appearance as Forged



After Acid Bath



After Brushing



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For the "Hardie" Boys Out There! by Tom Rohosky

I bought a new anvil a while ago, but the hardies that I have wouldn't fit, so I wanted to make a new one. Not having a lot of extra time on my hands, I needed something that would be quick and easy to make. The concept shown in photos 1 & 7 are about the simplest design I could come up with. It's cut out of a steel plate with a center "shaft" that sits diagonally in the hardie hole, and it is supported

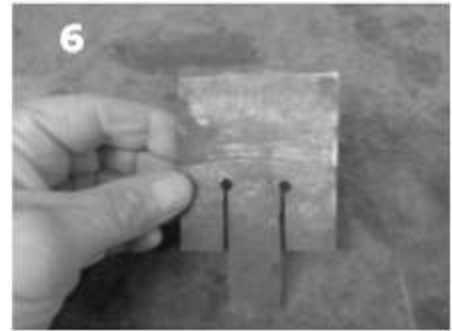
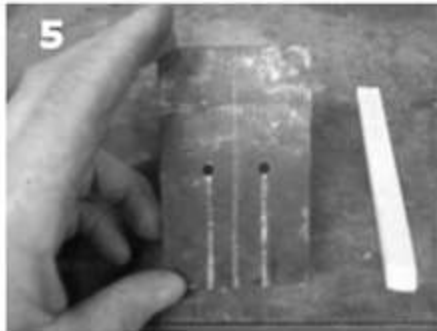
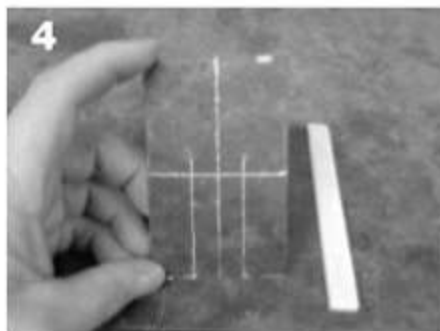
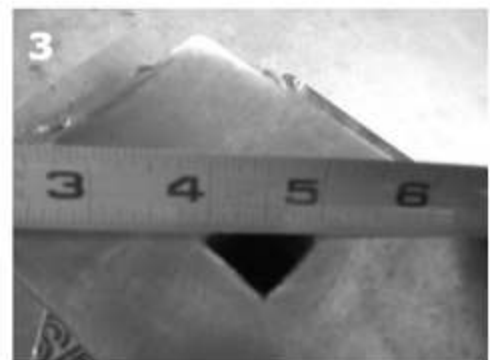
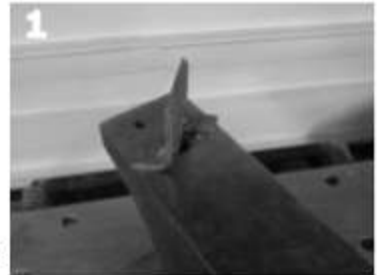
by two "ears" bent out on either side. The advantages are that it isn't made out of a "big honkin" hunk of steel--which can be hard to forge if you don't have some help or heavy-duty equipment --and it doesn't require any welding.

I began with the piece of plate steel shown in photo 2, which was cut out of an old lawn mower blade. A leaf spring would probably have worked better, but I didn't have that, so I improvised. (Hey, we're blacksmiths; it's what we do.)

Then I measured across the diagonal of my hardie hole, (photo 3), marked the cut lines on my plate, and drilled holes to terminate my vertical cuts. The holes are to help keep the cuts from cracking when the tool is used. (photos 4 & 5)

After that, I cut along the vertical lines to separate the two ears from the center shaft and shortened the ears a bit. (photo 6) I ground the cutting bevel before the bending out the ears, so they wouldn't get in the way during the grinding operation. The final step was to heat it up and bend the ears out on either side, which left me with what's shown in photo 7.

Of course, I heat treated the tool before using it, but I won't go into how I did that, since your method may vary. There's a lot of information out there on heat treating cutting tools, and you'll want to use the one that works for your material. My hardie is about four inches long and three inches wide. The center shaft is about two inches, and each ear is about one inch long. There's nothing critical about the dimensions, though; size yours as appropriate for your anvil.



Bill Davis Forge Welded Tomahawk

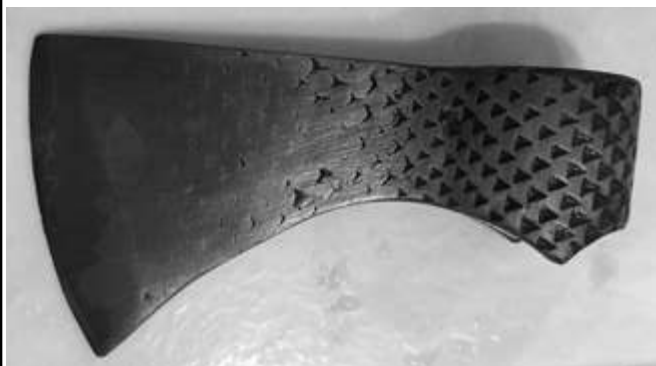
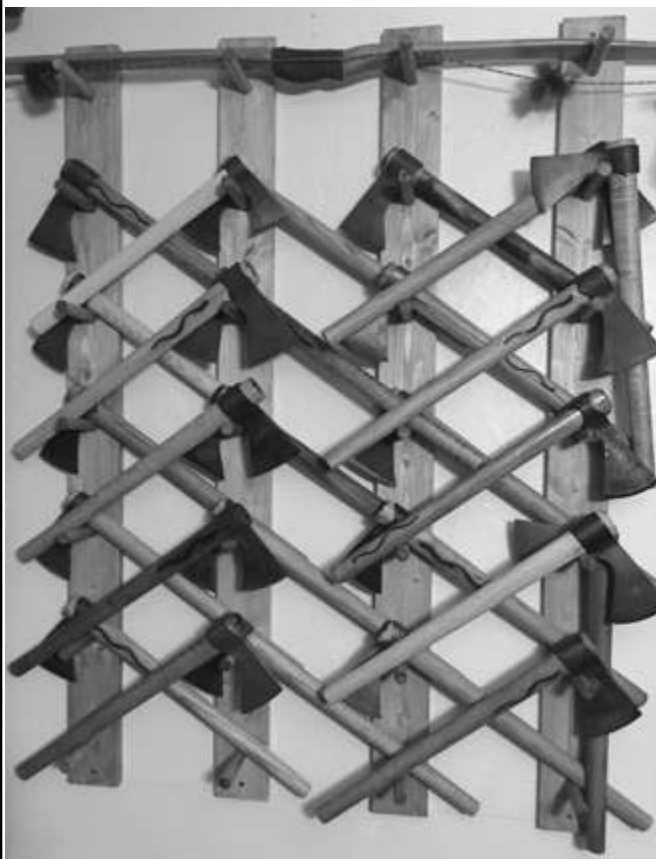
DVD Now Available in SCABA Library

Long time Saltfork member Bill Davis makes a really nice forge welded tomahawk out of a farrier's rasp - and he has made a LOT of them.

President and Librarian, Doug Redden, if you would like to get a copy of this DVD.

Doug Redden 918-230-2960 or doug.redden2@att.net.

- Editor



Saltfork President Byron Doner recently went to Bill's shop in Fletcher to video Bill making one.

This DVD is now available to members for a minimal cost (cost of DVD's is minimal to cover reproduction and shipping if applicable.) Contact the SCABA Vice



SCABA Shop and Swap

For Sale: I have numerous old tools and collectible items of various kinds including blacksmith related tools and equipment. Too many tools to list them all.

Contact: Craig Guy (SCABA Member), Piedmont, OK

Cell Phone: 405-630-7769 (Call or Text)



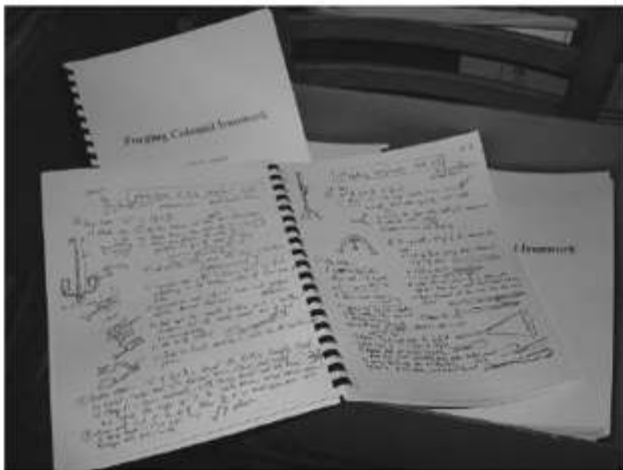
Post Vice,
Forge Blowers and
Lever-Type Forge
Call for Pricing...



SCABA Shop and Swap

Forging Colonial Ironwork

Master blacksmith Jerry Darnell's book *Forging Colonial Ironwork* is a compilation of over 22 years of teaching notes at the John C. Campbell Folk School and various conferences throughout the US. It has about 120 pages both sides, divided into 4 chapters Colonial Lighting, 18th Century Hearth Equipment, Early American Hardware and Hooks and Hangers. There is a mix of projects from simple to advanced.



Forging Colonial Ironwork II

This book is the same format as the first and third books but has 65 completely new projects!



Master blacksmith Jerry Darnell
has completed his third book!

Forging Colonial Ironwork III

It is in the same format as Book I and Book II,
with some very challenging and unique projects.

Contact Information:

Jerry Darnell
Mill Creek Forge
4512 Busbee Road
Seagrove, NC 27341

Email: forge_on@rtmc.net

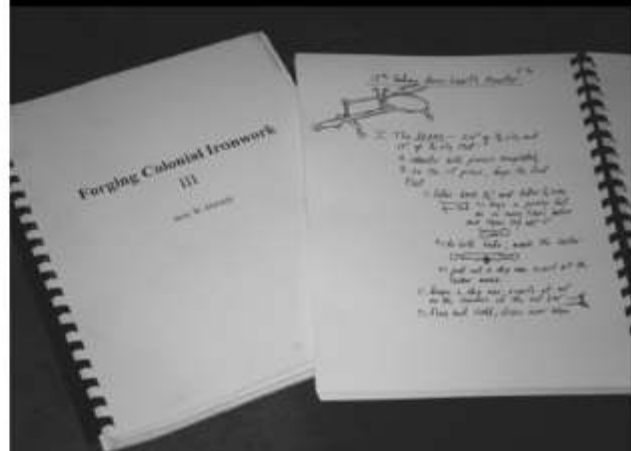
Website: www.millcreekforge.com

Phone
(910) 464-3888 (Shop) (910) 464-2636 (House)

Mail a check or call to order by Visa/MC

These three books are all the same price

\$20. plus 6.75% tax
and \$10.00 for shipping and handling.



SCABA Shop and Swap

For Sale:

Tire Hammer Plans by Clay Spencer

Send a check or money order for \$30 US to Clay Spencer, 73 Penniston Pvt. Drive, Somerville, AL 35670-7013. Or send \$32 US to Paypal.Me/ClaySpencer. E-mail me at clay@otelco.net. PDFs will be e-mailed outside US. Phone 256-558-3658

Beverly shear blades sharpened

Remove your blades and send in USPS small flat rate box with check for \$41 US to 73 Penniston Pvt. Drive, Somerville, AL 35670-7103.

SCABA Embroidery Available

Saltfork member Larry Roderick has setup a source for SCABA logo embroidery on shirts or embroidery compatible items. Larry presented an embroidered tan Wrangler western shirt at the recent Board of Directors meeting and the quality of the embroidery is excellent. The design is based on the new SCABA T-shirt design on the back with the classic SCABA logo above the front left pocket. Your name can also be put on the right side opposite from the logo if you would like.



If you would like an embroidered shirt or other item, find an item that fits you properly and mail it to Larry.

Compatible items must be flat. Pleats cannot be embroidered. The cost for the embroidery applied to your item is \$80 each including return shipping and handling. Heavy coats might add a few dollars more for shipping.

Mail to: Larry Roderick
500 S. FM 369
Burkburnett, TX 76354



If you have questions, contact Larry at 940-237-2814 or roderickwaterwells@gmail.com

(Photos by LaQuitta Greteman)

SCABA Shop and Swap

SCABA Library DVD's Available:

This is a partial list of the DVD titles available to members from the SCABA Library. Contact the Librarian (Doug Redden) if you would like to obtain a copy of any listed title or if you have questions on any other titles that may be available. Additional titles are listed on the website. DVD's are available for a very minimal cost to offset the blank disc and cases or sleeves. Shipping cost applies if you need these delivered by mail.

- Robb Gunter Basic Blacksmithing parts 1,2,3 and the controlled hand forging series
- Clay Spencer SCABA conf.2013 pts. 1,2 and 3
- Jerry Darnell 18th century lighting, door latches and hinges
- Brent Baily SCABA conf. 2011
- Mark Aspery SCABA conf. 2011
- Robb Gunter SCABA conf. 1998
- Robb, Brad and Chad Gunter 2009 joinery, forging, repousse, scrollwork, etc.
- Bill Bastas SCABA 2002 pts. 1 - 6
- Jim Keith SCABA conf.2007
- Power hammer forging with Clifton Ralph pts. 1 - 5
- Doug Merkel SCABA 2001
- Bob Alexander SCABA 2008
- A. Finn SCABA 2008
- Bob Patrick SCABA 2004
- Gordon Williams SCABA 2010
- Daryl Nelson SCABA 2010
- Jim and Kathleen Poor SCABA 2001
- Ed and Brian Brazeal SCABA 2006
- Ray Kirk Knives SCABA 2002
- Frank Turley SCABA 1997
- Frank Turley SCABA 2003
- Bill Epps SCABA 2003
- M. Hamburger SCABA 2007

For Sale:

6" round nosed pliers (great for putting scrolls on small items) \$5.00 each.

Contact Diana Davis at
Diana.copperrose@gmail.com

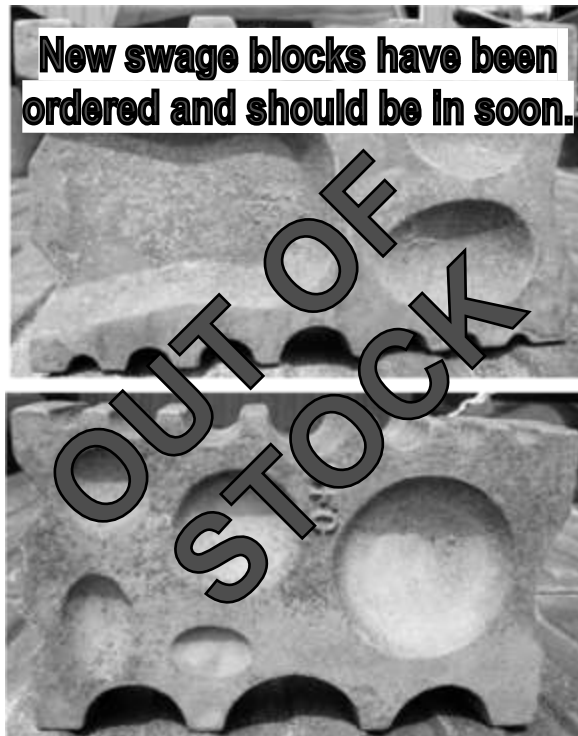
SCABA Swage Blocks

\$150.00 plus shipping.

(Same price to members and non-members.)

Contact Bill Kendall for more information.

New swage blocks have been ordered and should be in soon.



SCABA Floor Cones

\$200.00 plus shipping.

(Same price to members and non-members.)

For more information, contact Bill Kendall, Byron Doner (Contact info inside front cover) or

Nolan Walker at Nature Farms Farrier Supply in Norman, OK.

405-307-8031 or 800-460-6759.



SCABA Shop and Swap

Club Coal:

Saltfork Craftsmen has coal for sale. Coal is in 1-2" size pieces. The coal is \$140.00/ton or .07 /pound to members.

No sales to non-members.

NW Region coal pile located in Douglas, OK.

If you make arrangements well in advance, Tom Nelson can load your truck or trailer with his skid steer loader for a fee of \$10 to be paid directly to Tom. Tom has moved his skid steer and must now haul the loader to the coal pile to load you out, hence the \$10 charge. You may opt to load your own coal without using Tom's loader. The coal can be weighed out at the Douglas Coop Elevator scales. Contact Tom Nelson (580-862-7691) to make arrangements to pick up a load. Do not call Tom after 9 PM!! Bring your own containers and shovels. Payment for the coal (\$.07 per pound) should be made directly to the Saltfork Treasurer.

NW Region Coal Pile in Thomas:

Don Garner now has a new pile of club coal available for sales to SCABA members. The shop is at 23713 E 860 Rd in Thomas, OK. (One mile west, then one mile north of Thomas.) Contact Don at 580-302-1845 (Cell Phone) to arrange details for purchases.

NE Region coal location: Charlie McGee

has coal to sell. He lives in the Skiatook, Oklahoma area. His contact information is: (Home) 918-245-7279 or (Cell) 918-639-8779

Please text his cell phone number if you would like to make arrangements to get coal.

S/C region coal location: Club coal is now available at Norman at Byron Donor's place. Call Byron to make arrangements to come by and get coal.

For Sale:

24"(wide) x 1"(thick) Ceramic fiber blanket (similar to Kao-wool) \$1.00 per inch of length. Twisted solid cable 1/2" diameter \$2.00 per ft.

Contact Larry Roderick at 940-237-2814

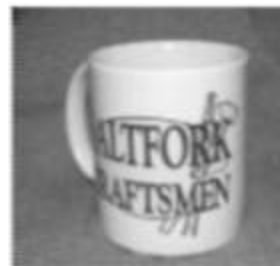
Show Your Pride in SCABA!

License plates - \$5.00 each.

Ball Caps - \$10.00 each.

We also have coffee cups.

We still have some of the old SCABA t-shirts available while the supplies last. They are a gray pocket "T" with the SCABA logo on the pocket. Contact Diana Davis for information.



Wanted:

Advertising Coal Hammers, Contact Mike George at 1-580-327-5235 or Mike-Marideth@sbcglobal.net

Have an Item for Sale? Item Wanted?

If you have any items that are appropriate for Blacksmiths that you would like to list in the Swap and Swap section (or items you are looking for), please send me your description, contact info, and any photos that you have.

The SCABA Shirts

are now available with a bold new look...

The latest SCABA T-shirts are now available with a new custom design by a professional artist. We also have new long sleeve denim shirts now available with the same new design. Each shirt has the main design on the back with the SCABA logo on the front pocket. T-shirts are available in black and gray. Denim shirts are \$25 and T-shirts are \$15 (plus shipping if applicable.) If you would like to purchase shirts, contact Doug Redden (918) 230-2960:



SCABA Membership Application

January 1, 2017 to March 31, 2018

New Member _____

Membership Renewal _____

Please accept my application

Date: _____

First Name _____ Last Name _____

Married? ☐ Yes ☐ No Spouses Name _____

Address _____

City _____ State _____ Zip _____

Home Phone (____) _____ Work Phone (____) _____

E-mail _____ ABANA Member? ☐ Yes ☐ No

I have enclosed \$20.00 for dues for the period ending March 31, 2018

Signed: _____

Return to: Saltfork Craftsmen, P.O. Box 18389, Oklahoma City, Ok. 73154



Saltfork Craftsman Regional Meeting Hosting Form

Region _____ NE _____ SE _____ SW _____ NW

Date: Month _____ day _____ [correct Saturday for region selected above]

Name _____

Address _____

Phone/email _____

Trade item _____

Lunch provided ☐ yes ☐ no

Please provide directions or a map to the meeting location along with this form.

****All meeting are scheduled on a first come basis. Completely filled out form MUST be received by Regional Meeting Coordinator no later than the 15th of the month TWO months PRIOR to the meeting month.**

Completed forms can be mailed or emailed.

You will receive a conformation by e-mail or postcard.

A form must be filled out for each meeting.

If you don't receive something from the Regional Meeting Coordinator within 10 days of your sending in your request, call to verify that it was received.

An online form is also available on the website in the top banner of the Calendar Tab:

www.saltforkcraftsmen.org/Calendar.shtm

Saltfork Craftsmen Artist Blacksmith Assoc. Inc.
P.O. Box 18389
Oklahoma City, Ok. 73154

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