

# THE HOT IRON SPARKLE

NEWSLETTER OF THE NORTH CAROLINA ARTIST-BLACKSMITH'S ASSOCIATION OF NORTH AMERICA



Volume 35 Number 1

First Quarter 2016



*Randy Hodges demonstrating at the NCABANA 3<sup>rd</sup> quarter 2015 meeting*

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## A Message from our President

Greetings All,

11th MAR 2016  
Millers Creek, NC

Greetings and salutations, fellow smiths. As the winter progresses and we sidle up to the forge for warmth, let us remember smiths long gone and summon their inspiration, for they are looking over our shoulders. Noted in this part of the world was the arrival of the first robins on January 30<sup>th</sup>, 3 days ahead of the groundhog seeing his shadow.



The Board of Trustees met on Saturday, January 9<sup>th</sup> for our annual retreat, once again graciously hosted by Steve Barringer at B2Design. The meeting was very successful as we reviewed our accomplishments from the past year and plotted and planned the year to come. Financially, we are in great shape as delineated in Jim Kennady's Treasurer's report. From the Secretary's report, Jennifer Phillips has noted that our membership numbers remain static over time, with 284 current members. She also includes actions taken by your board for approving expenditures and lifetime memberships.

We will offer 6 meetings this year as that number seems to be a workable program. We start off once again with the first quarter meeting at Big Blu on March 19<sup>th</sup> with Ken Thomas set to demonstrate furniture elements in the morning and Jason Knight demonstrating knifemaking in the afternoon. Lunch will be provided by local restaurant, Mountain Burrito. Peter Ross has agreed to host and demonstrate a meeting on April 23<sup>rd</sup> at his shop near Pittsboro. The Triad Blacksmiths will host the second quarter meeting June 25<sup>th</sup> at their shop at the Dixie Classic Fairgrounds with Paul Spainhour leading the demonstrations as part of his

scholarship requirements. For the third quarter meeting, we will return to Blacksmith's Depot in Candler on August 23<sup>rd</sup>, demonstrator to be announced. Paul Garrett will continue to host a meeting November 4-5 at the Spencer Forge at John C. Campbell Folk School in Brass-town, with a hammer-in on Friday evening/night in preparation for the annual Blacksmith's Auction the next day. Saturday will be a demonstration in the morning, lunch and the auction in the afternoon. Roger Barbour will once again host our fourth quarter meeting at his shop in Clayton on December 3<sup>rd</sup>.

NCABANA will have a collective booth at Fire on the Mountain April 30<sup>th</sup> in Downtown Spruce Pine, NC. This annual event has turned into a blacksmithing extravaganza and members wishing to participate are welcome to assist at the booth and sell their wares. We have reserved 3 booth spaces and may need more as interest builds.

The scholarship program is well funded and I encourage any member meeting the requirements to consider taking advantage of this opportunity. We can easily afford one to two full scholarships a year from your generous donations to and in support of Iron-in-the-Hat at our meetings.

We will be working towards renovating the Heritage Forge at the State Fair this year. The Triangle group is leading this project but more help will be needed when the actual put back commences in September. A wish list of materials and equipment will be published in the Q2 newsletter for your consideration.

The calendar included in this and subsequent newsletters shows the breadth of our chapter. It is quite an undertaking to provide this many meetings and activities related to the preservation and continuation of our trade.

I am continually grateful for the contributions and assistance from our leadership in operating NCABANA. It is a group effort and we do well working together. Nominations will be open at our Q2 and Q3 meetings this year for president and treasurer.

I look forward to the coming year in blacksmithing in the Old North State and hope to see you on the trail. Keep swinging for the center of the anvil.

Lyle Wheeler, President NC ABANA

## NC ABANA Reports

### Treasurer's Report



Jim Kennady, Treasurer of NC ABANA

<u>Business Checking Account</u>	<b>2016 YTD</b>
Dues	\$425
Newsletter Printing & Postage	N/A
Newsletter Editor Fee	(\$500)
Insurance	N/A
Statewide Quarterly Meetings	N/A
Postage	N/A
Other	(\$234)
<b>Sub-Total</b>	<b>(\$309)</b>
Heritage Forge Net	N/A
SBA Madison Conference Net	N/A
<b>Net</b>	<b>(\$309)</b>

<u>MMA - Scholarship Fund</u>	<b>2016 YTD</b>		<b>Balance</b>
Income	N/A		
Scholarships	N/A		
<b>Net</b>	<b>-</b>		
<b>Balance</b>	<b>\$6,578</b>		<b>\$17,180</b>

## Secretary's Report



On January 9<sup>th</sup>, 2016 the board of directors for NCABANA held a quorum to discuss business for 2016. Board members present included Lyle Wheeler (President), Garret Dunn (Vice Pres-

ident), Jennifer Phillips (Secretary), Jim Kennady (Treasurer), Marshall Swaringen (Triad Area Blacksmith Chapter Leader), Steve Barringer (Southern Foothills Blacksmith Leader), Paul Garrett (Brass-town Blacksmiths Leader), John Matthews (Student Chapter Leader), Eric Campbell (Southern Blacksmith Association Representative and NC State Fair Leader), and Jim "Jeep" Sabo (NC ABANA Member).

Motions were as follows:

1. The treasurer's report was passed along with the insurance payment and NC State Fair rental fees.
2. Three new members were inducted as life-time members after a unanimous motion: Tommy McNabb, Larry Crews, and Cindy Alexander. Article about these members will be in a later issue.

Other business included planning the quarterly meetings for 2016, reviewing the treasurer's reports, discussing newsletters & scholarships, coordinating renovations on Heritage Forge, planning events for 2016, and coordinating open NCABANA positions.

If you would like more information about the board meeting or a copy of the board meeting minutes in its entirety, please email Jennifer Phillips the secretary for NCABANA at [northcarolina.abana@gmail.com](mailto:northcarolina.abana@gmail.com).

Jennifer Phillips, Secretary of NC ABANA

## New Members

Pat Allen	Oakboro
Christopher Hash	Carthage
Brian Lasley	Summerfield
Chuck Brady	Lewisville
David Doak	Wake Forest
Jim Gibbs	Hendersonville
Clint Ollis	Morganton
Karl Helms	Monroe
Josh McCrary	Asheboro
Ginger & Grace Powell	Morrisville
Lane Walkup	Portland, OR

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## ABANA Conference Ad

The ABANA 2016 Conference is just around the corner, July 13-16! **It only happens every two years and you won't want to miss this one!**

It's time to plan to attend the 2016 biennial conference of the Artist Blacksmiths Association of North America, to be held at the Utah State Fairpark in Salt Lake City **July 13 - 16, 2016**. The site boasts a large tree lined grass area for the demonstrations. For more information and registration, visit:

<http://www.abana.org/Conferences/2016/>

### Also, don't forget to book your room now!

Salt Lake is a popular place that time of year and rooms go fast. Even if you aren't sure, you can hold your reservation with a credit card and it won't cost anything if you cancel before the conference. Please notes at camping is also an option! Campers must pre-register. Space is limited! We have room for about 200 campers.

[http://www.abana.org/Conferences/2016/contents/en-us/d6\\_Camping.html](http://www.abana.org/Conferences/2016/contents/en-us/d6_Camping.html)



### Forging Colonial Ironwork

Jerry Darnell's new book *Forging Colonial Ironwork* is finally here. It is a compilation of over 22 years of teaching notes at John C Campbell Folk School and various conferences throughout the US. The book is about 120 pages both sides and divided into 4 chapters; Colonial Lighting, 18<sup>th</sup> Century Hearth Equipment, Early American Hardware, and Hooks and Hangers. There is a mix of 63 different projects from simple to advanced.

The cost is \$20.00 plus 6.75% tax and \$10.00 for shipping and handling. Order by phone, e-mail or visit the salesroom M-F from 10 to 5 and on Sat. 9:30-5.

[www.millcreekforge.com](http://www.millcreekforge.com)  
 Mill Creek Forge  
 Jerry Darnell  
 4512 Busbee Road Seagrove, NC 27341  
 E-mail [forge\\_on@rtmc.net](mailto:forge_on@rtmc.net)  
 Phone: (910) 464-3888 (Shop)  
 (910) 464-2636 (House)

### Opting Out of a Hardcopy

Due to increasing prices of postage and printing costs, NCABANA would like to make receiving a hardcopy of the "Hot Iron Sparkle" optional. Some members have expressed an interest in the preferred online copy because it is in color and better for the environment. If you would like to download your "Hot Iron Sparkle" newsletters from [www.ncabana.org](http://www.ncabana.org) instead of receiving one in the mail, please email Jennifer Phillips the secretary for NCABANA at:

[northcarolina.abana@gmail.com](mailto:northcarolina.abana@gmail.com)

## Regional Reports

### Wilkes Teaching Forge

Report from Lyle Wheeler

WTF did not meet in December due to the many holiday occurrences.

WTF met on Tuesday, 19<sup>th</sup> of January at the Cooper Forge in the Sugarloaf section of Alexander County hosted by Josh Cooper, master of the forge. The theme of the meeting was Damascus knife blank making and Josh did a great job introducing the group to that process and demonstrating the techniques to make knife blanks and pattern welding.

Josh started with a general discussion of Damascus making using 1084 and 15N20 (bandsaw blade) for the material and the stacking and preparation techniques. He then went on to forge welding using Borax for the flux. He had several blanks in process to show the various steps involved. After a normalizing and tempering discussion, Josh finished with an etching demonstration using ferric chromate to etch and a dilute solution of baking soda to neutralize.

Announcements were made about the Q1 meeting at Big Blu and plans were discussed to attend Fire on the Mountain in April.

### Southern Foothills Blacksmiths

Report and photos by Ray Clontz

We continue to have a good turnout for our meetings. Everyone brings their own projects and works on them with help from our experienced blacksmiths using Steve Barringer's well-equipped shop. Many of our members do not have their own shops so this is a meeting that is always looked forward to. The last few meetings have brought out members we have not seen in a long time - always good to see people with like-interests. Shawn Emmons always brings his Jerry Darnell style lighting and cooking utensil projects from his Jerry Darnell book of projects. This time he was working on a hearth cooking meat holder that he had started at Jerry's open house. As usual, everyone is looking forward to the first quarter meeting at Oak Hill Iron.



Shawn Emmons working on his Jerry Darnell style projects



Closer view of Shawn's project



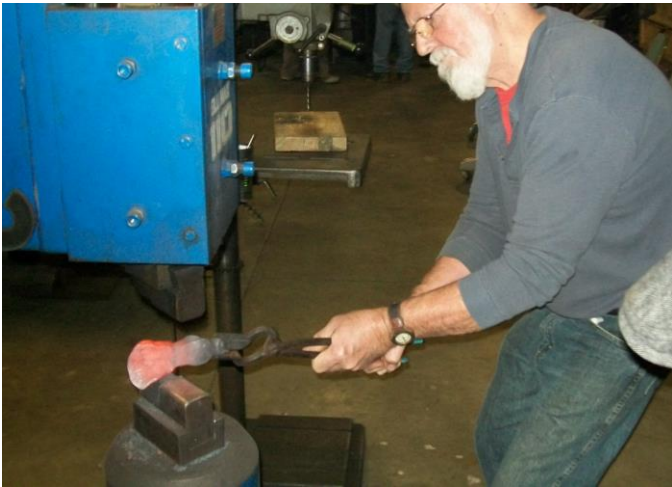
James "Jeep" Sabo working on reforging some worn rock hammers that need to be lengthened



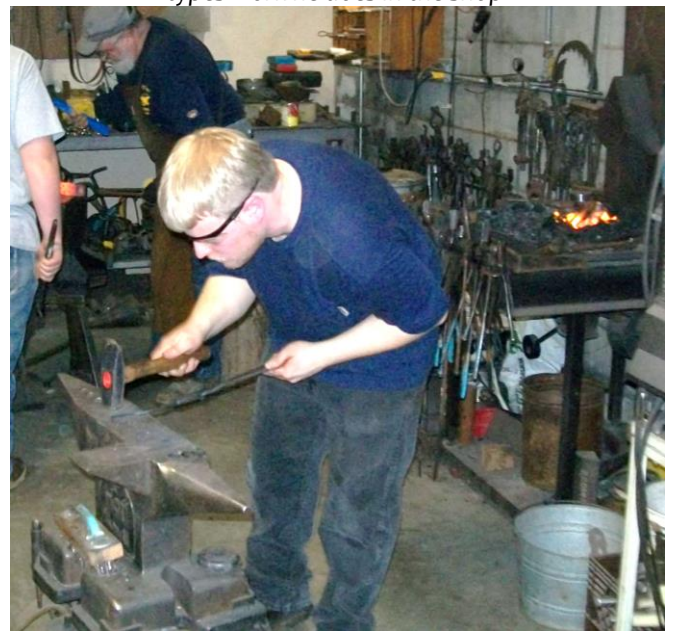
Matt Ballent using the treadle hammer to forge grooves in a project. Treadle hammer does not get much usage at our meetings - good to see someone using it.



Steve Barringer talking to some of the members about the types work he does in the shop.



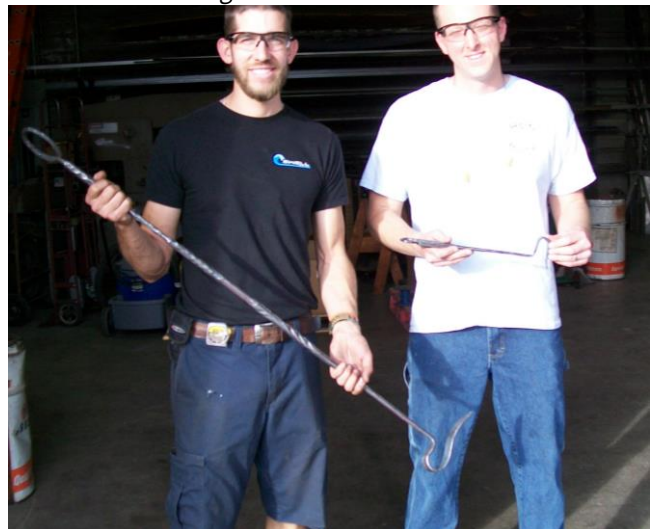
Butch Silver forging on a Big Blu. Butch and Duke Baxter were forging a tomahawk from a ball pein hammer.



Shawn in the foreground and Jeep in the background forging with hand hammers



Tomahawk in the works by Butch and Duke



Tyler Rashe with a fire poker he forged and his friend with a project he had just forged.



Lauren Madison with the cross he had just forged.  
The first one he's done!

## Triad Area Blacksmiths

Report by Marshall Swaringen

Looking back, 2015 was a great year for the Triad Area Blacksmiths. Our members demonstrated at many events throughout the state. We had a lot of new people join our meeting to try blacksmithing for the first time, and most have returned for more abuse.

Our first Tuesday meeting is taking a new direction. The meetings will be dedicated to planned demonstrations. They will be centered on one task a meeting. Members will try to master this task with the help of the demonstrator. If we have any new visitors at the Tuesday meeting, one of the veterans will still work one-on-one with them.

New Year's Day has been added as a new open shop day. Members will have the shop open at 9 AM for anybody to work on projects or get assistance with a project. Bring your steel and a lunch and start the New Year off right.

Our March Saturday meeting will be moved to March 12, 2016. It will be held at Larry Crews' shop in Booneville. There will not be a Saturday meeting at our shop in March.

Our State Officers have done a great job this past year. Thanks to all!

The Second quarter meeting will be sponsored by the Triad Area Blacksmiths. The date is June 25th, 2016. Paul Spainhour will be morning demonstrator. If you would like to volunteer for the afternoon, contact me.

## NCABANA Member Classifieds

### Blacksmiths needed at Biltmore Estate

Biltmore Estate in Asheville has openings for two or more blacksmiths who are willing to work a few days a week so we can offer demonstrations seven days a week. Here are some of the requirements for the job:

- Must be at least a Journeyman skill level
- Must be willing to commit to a set schedule of a few days a week between late March and the 2<sup>nd</sup> week of January. Open 7 days a week.
- Must be able to demonstrate while talking to guests, including school-aged children.
- Must be willing to do occasional repairs and restoration work as needed around the estate along with daily demonstrations.
- Items created in the Biltmore forge or at home may be sold in the Mercantile next door if desired. Profits are split between Biltmore and the blacksmith.

Email resumes: Amy Chilson at [achilson@biltmore.com](mailto:achilson@biltmore.com)

### Retired blacksmith has a shop full of tools for sale

*Including:*

- |                      |             |
|----------------------|-------------|
| Ironworker           | Anvil       |
| Post vises           | Hammers     |
| Gas & coal forges    | Tongs       |
| Power hammer         | Scroll jigs |
| Treadle hammer       | Grinders    |
| Welding equipment    | Sanders     |
| Hoist                | Bandsaw     |
| Numerous small tools |             |

Contact Ed Crane of Lake Ridge Forge  
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If this sounds like a place you might want to work, then email your resume and a brief description of yourself to [O.H.I.agent@gmail.com](mailto:O.H.I.agent@gmail.com) and let us know why you want to be part of the Oak Hill Iron family. Be sure to include the serial number in your email found at the bottom of this advertisement and your phone number as well as the best way to contact you so that our hiring agent will get back to you within 48 hours. Thanks!

4815162342

## Now Casting Nationwide for Aspiring Blacksmiths!



An L.A. based production company is seeking young men and women preparing for a rite of passage to be featured in their own TV series on a major cable network!

Do you come from generations of blacksmiths? Or you planning on taking on more responsibility that will usher you into the family business?

If you come from a family of blacksmiths, then we want to hear your story!

Send your name, age, photo, and a contact number to:

[RitesOfPassageCasting@gmail.com](mailto:RitesOfPassageCasting@gmail.com)

### **Blacksmith Instructor Position available at Mayland Community College, Avery Co. Branch**

Mayland Community College is located in the Appalachian Mountains of western North Carolina. It is currently one of 58 institutions operating under the North Carolina Community College System.

Mayland offers a variety of curriculum programs, including numerous college transfer options, as well as adult education, distance learning, and dual enrollment for high school students. The open-door admission policy accepts students as young as 14, in the Early College High School, and as senior as octogenarians, in the Continuing Education Program.

To assist the local workforce, MCC provides hundreds of workforce development and continuing education courses that directly serve the needs of local and regional business and industries, as well as the civic and cultural interests of the community. And the college's recent revitalization involves a strong commitment to the economic development within the three counties it serves.

Mayland Community College, Avery Learning Center desires to build upon current blacksmithing classes to expand the Blacksmithing program to the citizens of Avery and surrounding counties. This is a part time position dependent upon student interest and registration.

The ideal candidate will provide documentable experience and must be able to communicate effectively in an adult education setting. Prefer someone who can work a flexible schedule.

Duties will include, but are not limited to:

- Assist in creating new long and short term classes for all levels of blacksmiths.
- Provide students with clear course expectations and detailed syllabus.
- Communicate clearly with students while sharing hands on activities.
- Meet each student at their level of learning.
- Work with students age 16 and up in an Adult Education setting.

For more information or to email a resume, please contact Melissa Phillips, Dean of the Avery Learning Center. Phone number is (828) 733-5883 and email is [mcpillips@mayland.edu](mailto:mcpillips@mayland.edu).

### **NCABANA Library Item Loan Form**

Name: \_\_\_\_\_ Date of Request: \_\_\_\_\_

Address: \_\_\_\_\_ City, State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: ( \_\_\_\_\_ ) \_\_\_\_\_

Email Address: \_\_\_\_\_

Item Code (If Known): \_\_\_\_\_

Title/Author: \_\_\_\_\_

Email this request form to John McPherson [trollworks@hotmail.com](mailto:trollworks@hotmail.com) with NC ABANA in the subject.

Return Items To: NCABANA C/O John McPherson  
3031 Chenango Drive  
Charlotte, NC 28212

## Event Reports

### NC State Fair 2015

Report & Photos by Eric Campbell

This year's fair ran for ten and a half days and with the new construction out behind the forge, I feared that the site would be a mud pit. The State Fair staff had fresh sod down and had the site looking amazing in time for us to open.



Our total sales were \$36942.5 with the portion going to NCABANA totaling \$3,249.61.

Our volunteers this year were Al Andrews, John Fluke, Tom Watkins, Chris Diets, Laura Dietz, Randy Stoltz, Erika Price, Eric Campbell, Jeanette Low, Alan Green, Amy Hinson, Andy Phillips, Colin Eckhart, Dan Ritchie, Dick Snow, Garret Dunn, Henry Bunn, Jeep Sabo, Jerry Langdon, Lanny Moore, Marion Campbell, Nancy Remark, Paul Tooley, Randy Betchel, Jim Kroeger, Scott Mumford, Michaela Mumford, Allyx Maxwell, Aaron Maxwell, Larus Maxwell, Amanda Avery, Matthew Hux, Wesley Alberson, Robert Timberlake, Roger Barbour, Parks Low, and Lyle Wheeler. If I missed anybody, I apologize. We had so many great demos and volunteers, it was hard to keep track of everyone. We had 22 people bring items out for sale this year. I would like to thank everyone for their participation and encourage everyone to make stock for next year for personal sale as well as donating items to help fund the scholarship program and renovation.

This was the final year in the old Heritage Forge building. We were informed that a new and updated forge will be constructed this year. More details will be announced as they are finalized. To follow along please like us at: [www.facebook.com/heritageforge](http://www.facebook.com/heritageforge).

Currently we are working on a wish list of items we are hoping to have donated to help us furnish the new space. Items are as follows:

- Post vise
- lumber
- storage shelves
- antique wood paneled doors
- Wiring
- Lighting fixtures

This year we saw a great combination returning and new smiths demoing at the Heritage Forge.



Dan Ritchie in his natural habitat behind the knife case sharing his considerable knowledge about knife making.



Chris Dietz demoing as Randy Stoltz and Erika Price talk with customers.



Tom Watkins helping to finish out the an awesome year at the NC State Fair

As was only fitting Tom Watkins and Al Andrews took over the anvils for the last demos at the old Heritage Forge. I could not be happier with how hard everyone worked this year and I cannot wait to hear the ringing of anvils in the new space.



Al Andrews, pictured above. Thank you everyone for helping and we hope next year will be even better with the new shop!

## NCABANA 3<sup>rd</sup> Quarter Meeting 2015 – Manteo, NC

Article & Photos by Eric Campbell

NCABANA's 3<sup>rd</sup> quarter meeting was held at the Island Farm Museum in Manteo, NC on September 12<sup>th</sup>, 2015.

Randy Hodges and his wife Mary-Ann set-up the show, iron-in-the-hat, tailgating and registration. Randy had portable setups available for general use and several other smiths brought their personal rigs to share. Randy Hodges gave the opening remarks and the day got off to a good start. Many of the smiths left to take a tour of the Bode Island Lighthouse. The theme of the day was various fuels. Forges running wood, propane, charcoal, charcoal briquettes, and coal were all run during the day. I was greatly impressed by the hardwood forge that was brought since we were able to get high yellow to white hot heats with very little effort.



Hardwood forge pictured above

A spaghetti and salad lunch was catered by "La Dolce Vita", Manteo's excellent Italian Restaurant and was greatly appreciated by all.

Randy Hodges led a discussion and gave tips for demonstrating our craft to the public. This talk was based on the idea of Blacksmithing as Performance Art. This was done to help prepare for the

upcoming state fair and as a forum to share ideas on how to engage the public in our craft. He addressed many topics such as how to talk and work at the same time, the value of the sizzle, and hands-on projects for youngsters.



Randy Hodges instructing on how to demonstrate blacksmithing to an eager audience.

Thanks to everyone who came and saw the sights. Manteo really is a beautiful place to visit and we appreciate the Island Farm hosting our quarterly meeting. Hope to see you all again soon!

### Tire Hammer Plans

Send check/money order for \$30 to

Clay Spencer  
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Somerville, AL 35670-7013

Includes postage to US and Canadian addresses. Other countries e-mail [clay@otelco.net](mailto:clay@otelco.net) for price. **256-558-3658**.

Tire Hammers for sale contact me for current price.

### Beverly Shears Sharpened

\$41 includes return shipping in US. Remove blades and ship to address above. Extra cost for deep nicks or blades sharpened at wrong angles.

## ABANA Conference Advertisement

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**It only happens every two years and you won't want to miss this one!**

It's time to plan to attend the 2016 biennial conference of the Artist Blacksmiths Association of North America, to be held at the Utah State Fairpark in Salt Lake City from July 13-16, 2016. The site boasts a large tree lined grass area for the demonstrations.

- The marketplace and lectures will be inside air conditioned spaces.
- There is on-site space for camping and RV's.
- Salt Lake City offers a Trax rail system that runs from the airport to downtown, with the Fairpark as one of the stops.
- There are many hotels an easy walk from any of the stops and world class restaurants downtown besides.

The theme for the conference is Education and we've designed a program to promote hands on learning. There are many classes with projects ranging from beginner to advanced. Projects such as Animal Heads, Tongs, Forge Welding, Damascus Billets, Repousse, Fold Forming, and Patination will all be presented as hands on classes.

This year there is a dedicated Youth Tent, for the younger aspiring smiths to try their hand at projects. We will have a railing workshop with John Barron, of which the railing will be installed at the handicap ramp of the historic Pioneer building site at the Fairpark. The workshop will cover measuring the site, designing the railing, forging and assembling all the parts, and finally installation on Sunday morning.

This year's Farrier Product Distribution has sponsored a tent for Farrier demonstrations. Some of the biggest names in the farrier world will be showing off their skills . . . and it's all forging not shoeing horses!

The Gallery reception Friday night will include hors-d'oeuvres, and a plated dinner Saturday night preceding the fine art auction. You will have a chance to bid on projects that were made during the

conference along with many other items donated by talented smiths.

**Also, don't forget to book your room now!** Salt Lake is a popular place that time of year and rooms go fast. Even if you aren't sure, you can hold your reservation with a credit card and it won't cost anything if you cancel before the conference. Please notes at camping is also an option! Campers must pre-register. Space is limited! We have room for about 200 campers.

[http://www.abana.org/Conferences/2016/contents/en-us/d6\\_Camping.html](http://www.abana.org/Conferences/2016/contents/en-us/d6_Camping.html)

**[www.abana.org/Conferences/2016](http://www.abana.org/Conferences/2016)**



*Jake James, demonstrator, pictured above*

## Featured Articles

### Photo Gallery

Assembled by Jennifer Phillips

This is the sixth installment of the NCABANA photo gallery. I apologize for not including one in last quarter's issue but Facebook has changed some of its policies on me making it harder to ask people for pictures. As always, I recommend you view some of these from the color downloadable copy of the "Hot Iron Sparkle" to get a better feel for the finishes used as well as the few that are in color.

If you would like to have some of your work featured, you can message my Facebook account (NC ABANA) or send an email to northcarolina.abana@gmail.com. I can also scan and upload any pictures mailed to my address (on Page 2). I hope you enjoy these pictures as much as I have and happy forging.



We are starting this photo gallery with a smith I am sure you are all looking forward to in March: Mr. Ken Thomas. Ken will be the morning demonstrator at the first quarter meeting for NCABANA coming up in March. He hails all the way from Sevierville, TN. This first picture is of some and irons. As a blacksmith you definitely need a few sets of those, or maybe 20. The focal here is the detail in the scrolls themselves. It is my philosophy that you can always spot a master smith with their scrollwork and Ken is definitely one.



I took up almost half a page with this picture because I really want you to notice the twists on this candleholder made by Ken Thomas. The tapering makes it look almost delicate although iron is anything but. If twisting metal turns a beginner project into something more, where does a tapered twist lead?



*My favorite feature of this fireplace toolset by Ken is the tops for their sharp corners and angled heads. Just look at the detail in the picture below.*

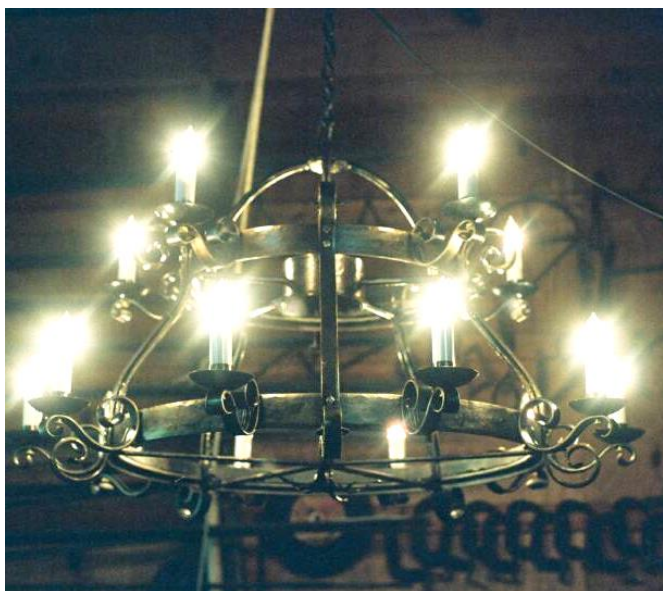


*You don't have to be a master stonemason to properly utilize a slab. The blacksmithing work pictured in the table above by Ken Thomas is the highlight of that piece, I'm sure. Again, the mastery of blacksmithing is all in the detailed scrollwork.*



*I bet you were starting to think that Ken Thomas could only do traditional scrollwork. This table has scrolls, too.*





Our last piece from Ken is a candelabra full of scrolls. I hope everyone is now as excited as me to see him demonstrate in March.



The corner table pictured above, also by Stewart, is another great illustration of the artistic work that can be done with old horseshoes. The small star mounted on old rasps adds a level of detail that only certain friends can truly appreciate.



Our next smith is all the way across the pond so to speak. Please welcome Stewart McCulloch from South Shields, United Kingdom. With many of NCABANA's members also being farriers, I thought a little work with horseshoes might be appreciated. You have to do something with the old ones and the garden gate pictured above is a great example.



Sometime it is the small details that make a house a home. Stewart really captures that essence with the bathroom set picture above.



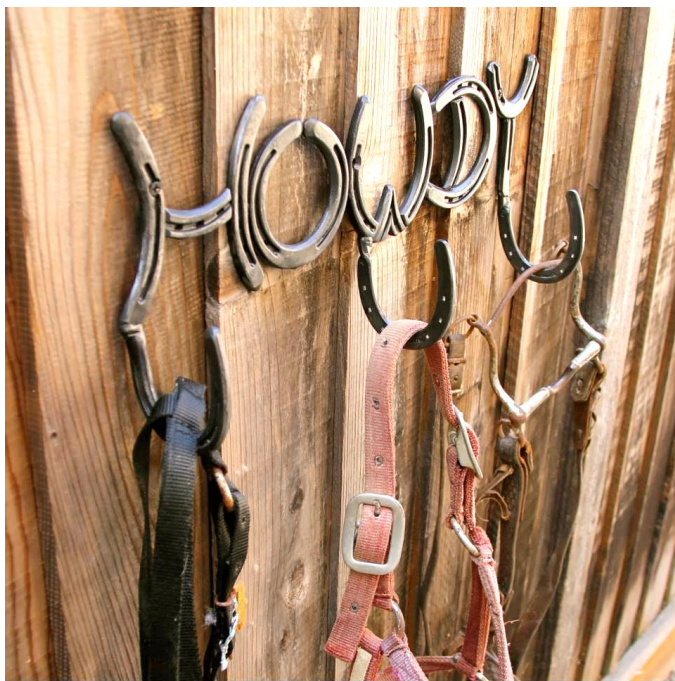
This might be a little harder to see but there are nails turned up to form hooks along this horseshoe. Better than your average wall hook.



A small break from the horseshoes here to show you Stewart's talent as an artist with old objects that haven't been on horses. Check out this handy helper!



Our next blacksmith is from Paintsville, KY but is currently residing in Maputo, Mozambique. Pictured above is a candleholder by Edward Small. As a fan of large stock, I was drawn to this particular piece because of its elegant tapering effect.



Our last picture from Stewart McCulloch is a popular greeting here in the States. Howdy to him as well! Wall racks and hooks don't have to be boring or mundane.



This sculpture by Edward is a great Valentine's Day gift and the only heart-centered piece in this quarter's photo gallery. Maybe I'll give you all some more inspiration next time.



I know I haven't included many pictures this quarter for the beginner smiths so this one is for you. Not as simple as it seems though with the graceful bend at the bottom. Try that a few times on your own before asking the masters. Also make sure to make notes on your order of operations here, especially with the end of the scroll.



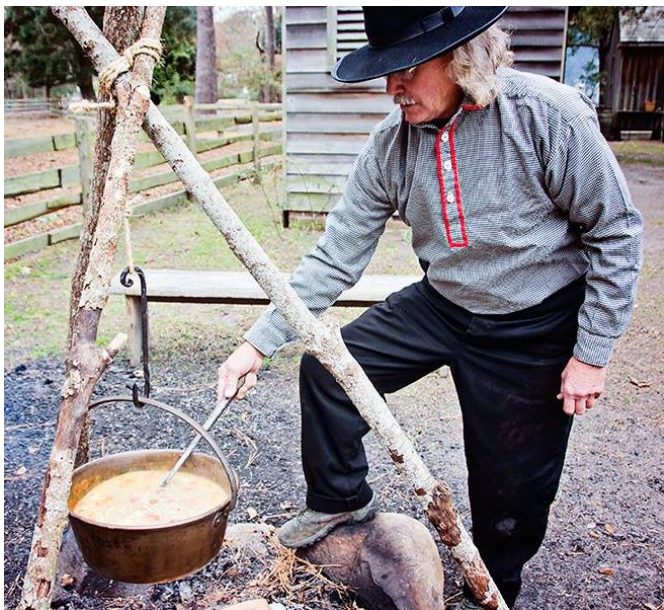
Another couple of candleholders here by Edward Small. Make special note of the different kinds of loops and curls. I don't think I would go as far as to label them as scrolls but blacksmiths are more than scrollwork anyways. The double loops on the right picture look especially difficult to make.



Our last picture from Edward is of this cute not-so-little guy. I hope he has a big swatter too!



Our next blacksmith isn't one smith per se but I wanted to highlight the blacksmithing portion of a living history museum. I sure many of you will recognize the picture above as the Island Farm in Manteo, NC now that NCABANA has had a few meetings there. So the next few pictures are of work done by blacksmiths at the Island Farm along with some of the historians and volunteers that help out with the living history side of the work that is done. Most of us are fortunate to live in NC, which has many living history museums to choose from to visit. And if any of you are interested in working at one of these museums, there are jobs available at a few of them including Biltmore Estates. (See ads section for specifics on the Biltmore job opening.) A big thank you to the Island Farm for hosting NCABANA these past few years and especially to Randy Hodges for setting everything up. We look forward to many years to come.



Picture above is one of the historians at the Island Farm using a rustic tripod to cook a stew near Christmastime. I like the C-hook holding the pot.



Check out the details of the pot along with the hand-forged ladle.



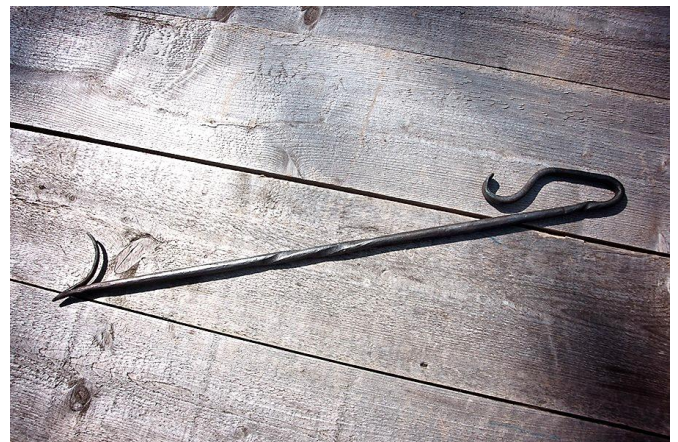
Pictured above is the Christmas goose roasting on a spit. Notice the forged spit and hook in the goose. Cooking the old fashioned way is one of the many perks of working at a living history museum.



This figgy pudding and the gravy spoon being used to moisten it are both wonderful.



Fireplace tools used at the museum. And I do mean used! One of the most important functions of a blacksmith at a living history museum is to make the tools that are used every day by the people working there.



This fire poker is also a staple tool.



This volunteer is Kevin and he is forging a knife blade as a demonstration.



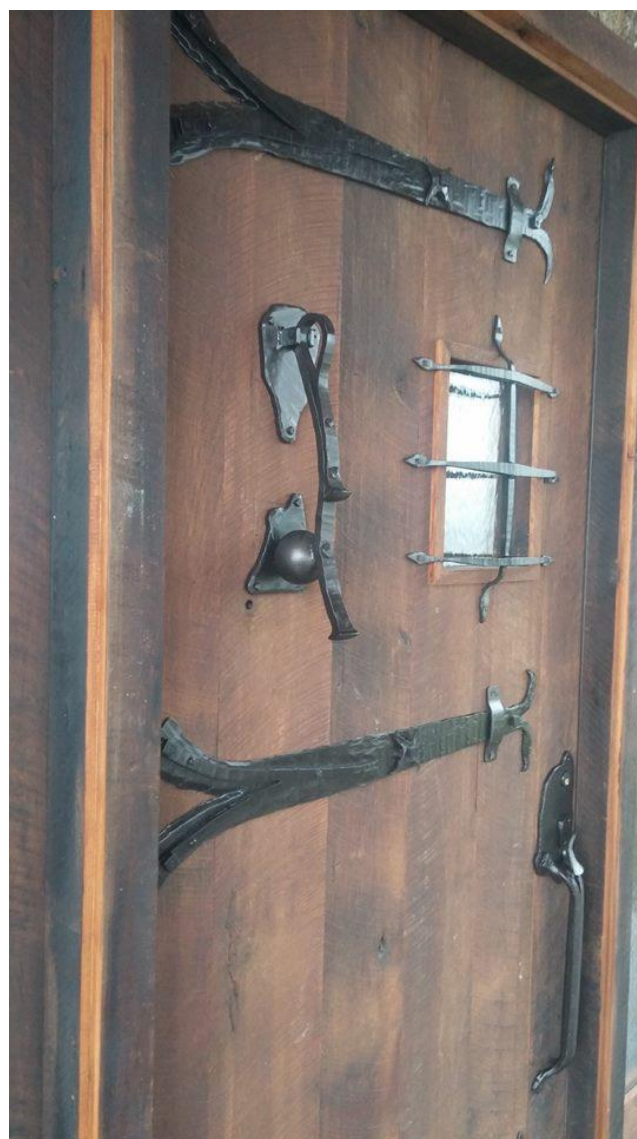
Our last blacksmith is a favorite of mine because the shop is 4 miles from my house. Dirk Brown is the owner of Blue Mountain Metalworks out of Banner Elk, NC. Pictured above is a door that his shop did the hardware on. This picture really gives you an idea of the size.



Special Christmas nails being sold to benefit the Island Farm.



Again, a special thanks from NCABANA to Randy Hodges for hosting our organization these past few years. Thank you for your hard work; it is very much appreciated!



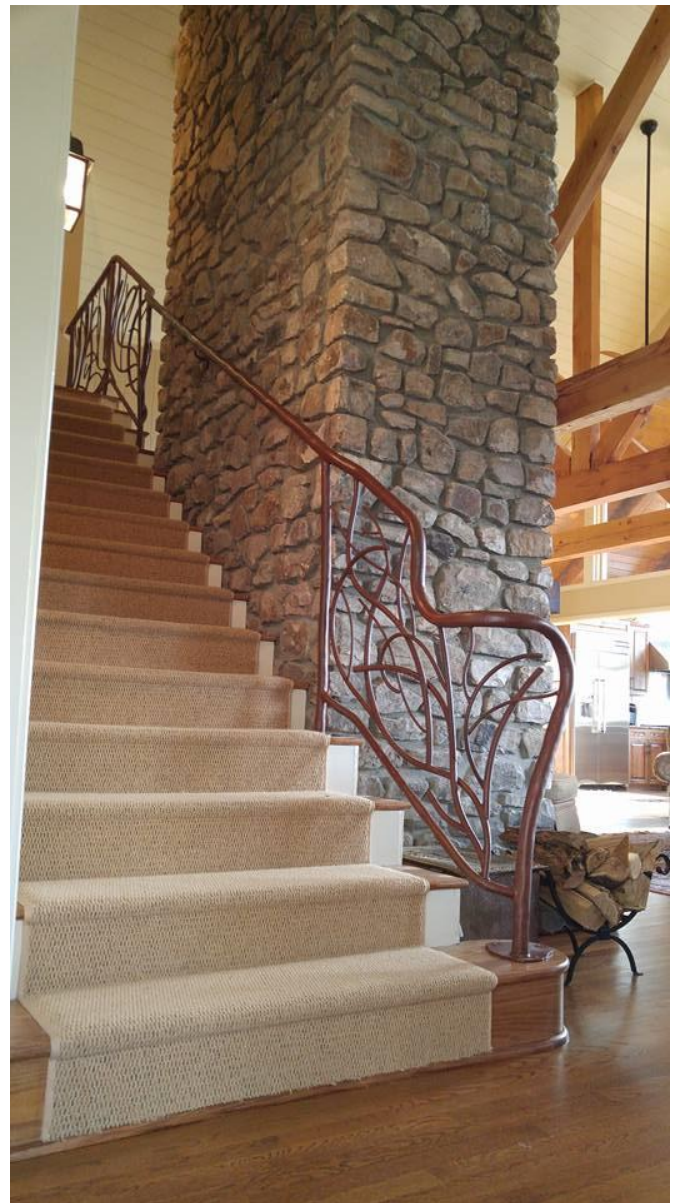
Everything from the knocker to the window grille to the hinges to the door handle was made by Blue Mountain. The textured hinges are by far the best part.



Check out the latch system on that door handle. Exquisite!



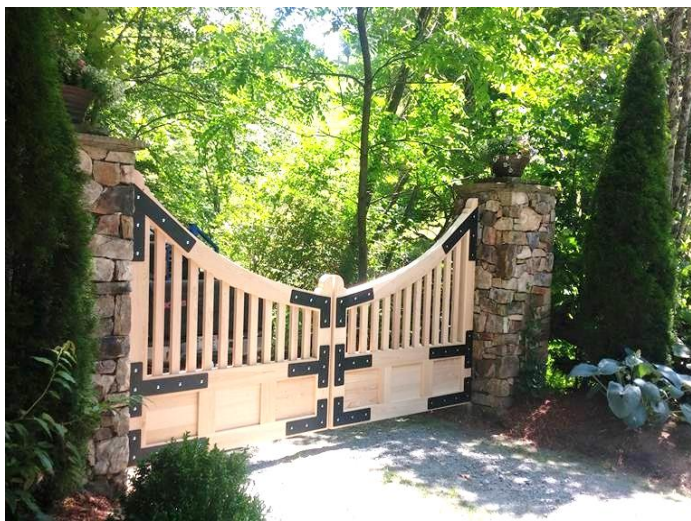
This free-form railing has a pattern truly all its own. It also starts outside and goes all the way through the house.



The railing continuing inside with a new color. I love the way it wraps around the chimney. That's one way to gracefully finish the end bannister!



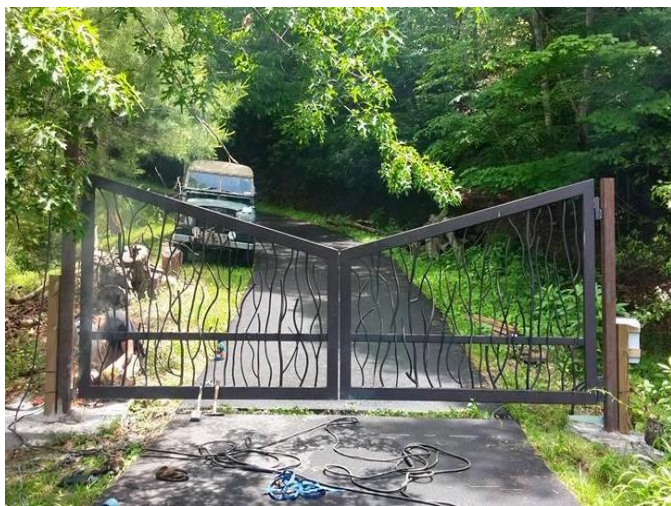
Pictured above are segments of the railing in production. It is a great artist indeed to come up with so a creative natural look.



Sometimes all it takes are really impressive hinges to set a piece of work off from ordinary to beautiful.



I think Blue Mountain Metalworks should say that they specialize in earthy pieces. The subtleness of the leaves on this railing truly shows a master's work.



Another great organic gate. And check out the size!



Our last piece of this photo gallery is of a wine bottle and wine glass holder made by Blue Mountain Metalworks from bicycle parts. Mountain bikes are a huge part of mountain life here in Banner Elk and Dirk's crew definitely exemplifies that spirit.

Thank you for all of your contributions this quarter. I really appreciate the feedback that has come as a result of this gallery. I am so very glad that a lot of you can use these pictures as inspiration in your work. And if any of you would like to have your work featured in the gallery, please don't hesitate to send me a Facebook message or an email. Happy forging!

## Bamboo Lamp at Penland

Article & Photos by Paul Spainhour

On a grey winter day I sometimes need to remember something that takes me elsewhere. Today my thoughts take me back to last summer, to a welcome break from my day job as an HVAC contractor. A time partially made possible by an NCABANA scholarship. A time to study and advance the skills used for what I love to do, blacksmithing.

My interest in blacksmithing began as a child watching Bea Hensley demonstrate at the Dixie Classic Fair in Winston Salem. From time to time I would run across the piece he made for me that day and would think, "Someday I'll learn how". That day came forty-six years later in 2006. After my wife and I raised our son, I attended Penland School of Crafts for my introduction to blacksmithing while she was taking a painting course. Since then, I have carved out time from that day-job to continue forging.

I think it is natural to want to improve your skills for doing something you enjoy. As a result, a few years later I attended a "Joinery" class at John C. Campbell School of Crafts. With the instruction and guidance from that class, I was able to successfully complete more complex projects. One category of work that has always interested me is lighting fixtures. I had built a candelabra and wall sconces for family members but wanted to know more. That opportunity came when I signed up for a course at Penland School last summer that focused on lamps and lighting. I applied for and received an NCABANA scholarship to assist with the cost of the two week session.



The course was taught by Maria Cristalli ([mariacristalli.com](http://mariacristalli.com)) and her assistant instructor Silas Maddox ([forgeandnail.com](http://forgeandnail.com)). Silas worked part of his journeyman years in western North Carolina shops. Both are master smiths working from their individual shops outside Seattle, Washington producing architectural work as well as public and private commissions for functional and artistic installations.

In addition to the fabrication of light fixtures there was instruction on texturing methods that could be used in any forging project. Pictured below are some samples of my textured plates from the class.

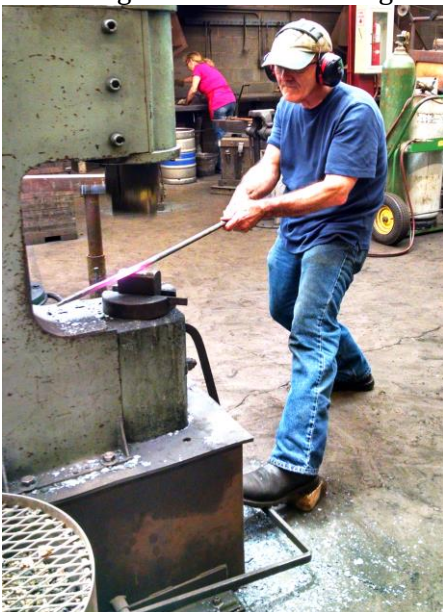


Some are made by hand chisel and others produced with punches under a power hammer. I have since incorporated some of these plates into a hanger for the rust garden outside my shop. Picture at the top of the next page.





The session was attended equally by four men and four women from across the country with various backgrounds and skill levels. Mornings were filled with class time and demonstrations by the instructors often with a slide show pertaining to the demonstrations. After lunch we worked on our own to practice what had been demonstrated. Often there was one-on-one time with Maria or Silas offering instruction and critiques along the way. After dinner most of us would return to the studio and continued working late into the evenings.



The iron studio at Penland is well-equipped with twelve coal forging stations, three power hammers, two gas forges, welding area, fabrication space as well as a grinding and finishing area. The tool room is fully stocked with an extensive inventory of power tools and hand tools for every description.

After the first week we all settled into the design and fabrication of at least one project. Inspired by the bamboo growing on the school campus and the forging technique by Maria, I decided on a bamboo lamp. A picture of the finished product below.



The bamboo in the lamp is forged from  $\frac{3}{4}$ " diameter iron pipe. The lashing is from heavy gauge steel wire-hammered flat and pulled into place by heating with a torch.

Each student is also encouraged to donate a piece of their work to the school scholarship auction held during each session. It is a live auction open to the public as well as staff and supporters of Penland.

The snake and rock in the photo below was my donation.



In closing I would like to thank the NCABA-NA board for the assistance provided by my scholarship. I found my time at the school to very beneficial as I continue my forging experience. I would also recommend all eligible members to take advantage of the opportunity a scholarship provides to expand your skill and knowledge.

I look forward to see many of you at the second quarter meeting in Winston Salem, where I am scheduled to demonstrate the bamboo forging and lashing.



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## Animal Eye Punches

Article & Photos by Mandell Greteman

Reprinted from *On the Anvil*,

newsletter for Philips Simmons Artist Blacksmith Guild

There are a lot of different ways to make animal eye punches. This is the method I use and it has worked well for me.



*Pictured are my collection of animal eye punches that I've made over the years.*

I make a base plate guide with different partially drilled holes sized to match the punch stock I plan to use. The holes don't need to be very deep. About  $\frac{3}{8}$ " to  $\frac{1}{2}$ " (or even less) is plenty deep enough. It just has to be deep enough to serve as a guide for setting the punch stock and a deeper hole just increases the chance of upsetting the hot stock and sticking in the hole.



*Base plate with holes drilled*

The 60 degree drill point makes a perfect depression that is always centered on the punch stock. This depression is ideal for holding an old ball bearing that will be used to form the reverse impression for the center point of the eye. And by using the guide, the ball bearing is held in place so that it won't get away from you during the punching process.

Also, by using the guide, the punch can be reset as many times as necessary to get a good eye impression. The guide automatically centers the ball bearing and punch stock every time so that there won't be any shifting to ruin the impression on follow up attempts.

Using this guide method, the ball depression is always centered on the punch regardless of the eye shape. This aids in setting the eye on your animal head later on since you always know where the center of the eye is.

I used a scrap piece of 4140 tool steel for the guide base which I went ahead and hardened. But it is probably not really necessary to use tool steel or to harden the guide.

I keep a small container with various sizes of old ball bearings and select the best fit for the size of eye that I need. (*pictured below*)

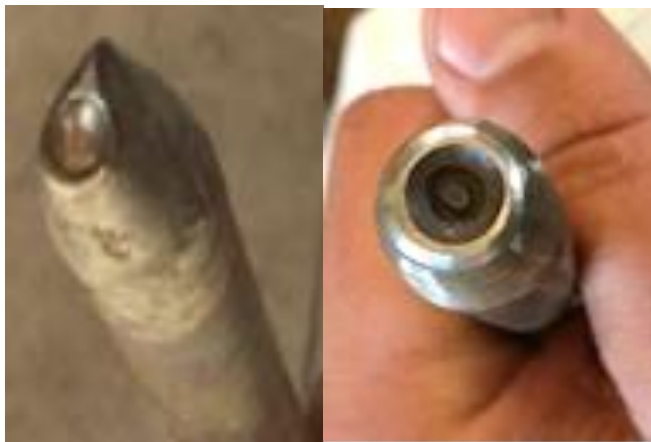


To make the impression, just put the ball in the correct guide hole then place the heated punch stock in the hole and strike the hammer end.

You don't really want to heat the stock so much that the end wants to upset in the hole. Just hot enough to get a good impression is all the heat you need. This judgement takes a little experience and depends on the steel you are using. You can put a slight taper on the very end to help minimize the up-setting.

If you don't get the depression deep enough on the first try, you can always give it another follow up hit. Both the ball and the punch stock will be "registered" in the same place.

Once I get a good ball impression, I then take the punch to the grinder and grind the outside portion of the eye shape as needed. The shape can be round, which just takes a round taper a little larger than the ball impression, or it can be a single or double teardrop shape. (Or whatever other shapes you can come up with for your specific application.)



*A couple of examples of eye punches close up*

You just grind to the approximate outline you want and do a test impression to see what it looks like.



*Test eye pictured above*

You can then make any needed adjustments to fine tune the look you want.

You can get creative and come up with your own unique eye designs. Someone asked me what it would look like to put an eye punch impression in the center of a larger eye punch.

It's a form I have never had a need for and the best way to find out what it looks like is to make one. This one was just a larger round eye punch made as described in this article but with a follow up step of using a smaller eye punch on the larger one as if it were the final piece.



I am not sure what you would use this for. Maybe an octopus or a chameleon.

Once you are finished with the punch, you can harden it as desired. I often use sucker rod. To harden, heat to a good red heat (to the non-magnetic critical temperature), quench in oil, and then temper to a dark straw or brown/purple color. You can also just use the punch for many impressions without hardening it at all. Good luck!



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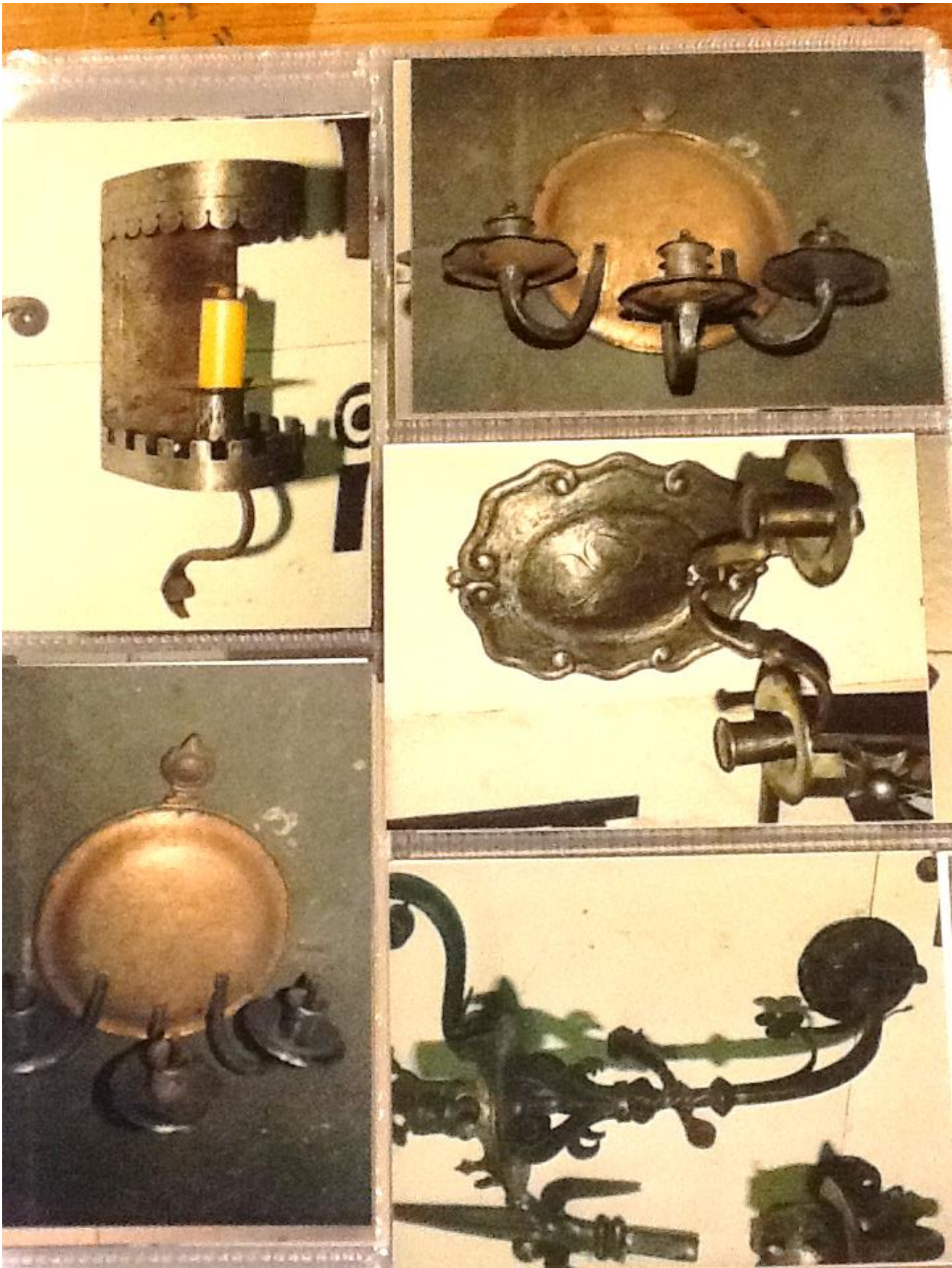
## From the Shop of Samuel Yellin

Article by Doug Wilson, Photos provided by Clay Spencer

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I received a CD of images from Clay Spencer. On that CD, were over 2000 photos of works from Samuel Yellin's shop. These had been taken in the early 1970s by Jeff Graves who was apparently working for a summer with George Dixon in the last days of the Samuel Yellin Metalworks shop. I will be sharing these photos in the coming issues of THE HOT IRON SPARKLE. The quality of the photos is not always the best. However, they are in many cases the only available documentation of Samuel Yellin pieces.







## Quarter Corner

### Metal of the Quarter: Silver, Argentum Sterling

The metal for this quarter is argentum sterling silver. We have already explored some aluminum and copper so silver would be a good addition to our forging family. Most silver is produced as a byproduct of copper, gold, lead, and zinc refining. This type of silver is produced for sale by Hoover and Strong, which is where the name Argentum Sterling comes from. Unlike steel, there isn't a set measuring standard like 8620 or 1040; the names for silver come from the manufacturers.

The main uses for this type of silver are forging silverware or jewelry. Casting is also an option but that is not as much blacksmithing related. I do want to make a special note that if someone is talking about using sterling silver that this alloyed silver is 92.5% silver and 7.5% copper. Argentum sterling silver is also alloyed with germanium, which gives it a resistance to firescale. As you can see in the pictures to the right, the silverware is in the process of being forged so it is kind of dull versus the bracelet in the middle picture is finished silver. Once silver has been forged, it is often dipped in rhodium to give it a bright, shiny look; this process is called "plating". Silver can also be coated with 99.9% fine silver for a different finish in a process called flashing.

Argentum sterling silver can be rolled to up to 70% of its total thickness before an annealing operation is required. For annealing purposes, the temperature range is 1150-1200°F for 30-45 minutes at temperature. After the orange color is gone, the metal can be quenched. You can also harden argentum silver without high temperatures. Place the silver in an oven at 575°F and hold at temperature for 2 hours. This will increase the hardness of the argentum by up to 20HV (Rockwell Hardness value). Since most silver only starts at around 70HV, this increase is significant.

Silver is one of my favorite elements and is a cheap alternative to forging with gold. So next time you need to make an awesome piece of jewelry for your significant other, please remember argentum.



*Forging Silverware progression shown above*



*Forged scroll silver bracelet*



*Cast silver octopus and crab*



## Tool of the Quarter: Buddy?

The tool for this quarter is your buddy. Last quarter I talked about the treadle hammer as the solo blacksmith's best friend. Well, this quarter it is time to utilize an actual friend. Your buddy is a tool the same as fire. Use him or her to help you strike or to have them strike while you hold the hot metal and another tool like a center punch. Another good use for your buddy is pictured below.



*Jake James demoing with a couple of buddies*

Not everyone knows how to properly use a buddy. Well, it depends on what you want them to do. Let's start with the classic scenario of you holding the hot metal in one hand and a hammer in the other with your buddy also holding a hammer or sledgehammer to help move metal quicker. While you pull the hot metal out of the forge, your buddy should already be in position tapping the corner of the anvil with his hammer in a quick rhythm. Once you line the hot metal up on the anvil where you want, join your buddy tapping the anvil with your hammer and you two will quickly sink rhythm. Then you strike the hot metal first, then your buddy hits either exactly where you have struck or the mirror image (this being determined before you start striking). Then as you forge alternating strikes, if you need to turn the piece of metal to a different angle, simply strike the corner of your anvil and your buddy will hit their side of the anvil as well. This assures a steady forging rhythm. When you want to stop and reheat the metal or take a break to fine tune on your own, strike the corner of your anvil with the side of your hammer. Your buddy will strike their side of the anvil with the side of their hammer and stop.

This is the best method for team forging since there isn't any talking involved. With you both wearing ear protection, which I know all of you do while forging, it can sometimes be hard to give verbal commands to a buddy. Stop and start can sound a lot alike with an anvil ringing in your ears.

Our next nonverbal team forging commands involve the situation where you are holding the hot metal and another tool (we will use a center punch in tongs for this example) while your buddy holds a sledgehammer. Start with your buddy in the ready position standing at the anvil. You place the hot metal on the anvil with an exaggerated clinking noise and do the same with the center punch. This is your buddy's cue to strike. Then lift the hot metal up and place again on the anvil along with the center punch and your buddy will strike again. Follow in this 1-2-3 pattern like a Waltz and your buddy will be able to follow along without any verbal communication. The important part is making sure that there is an overly dramatized motion of placing the hot metal and then the tool so your buddy knows when you are ready. The motions only have to be exaggerated for a while because you two will soon develop a more refined method of working together, where even the most subtle cues are recognized.



*Dean Curfman leading Andy Chapman and Andy Phillips in a team striking exercise.*

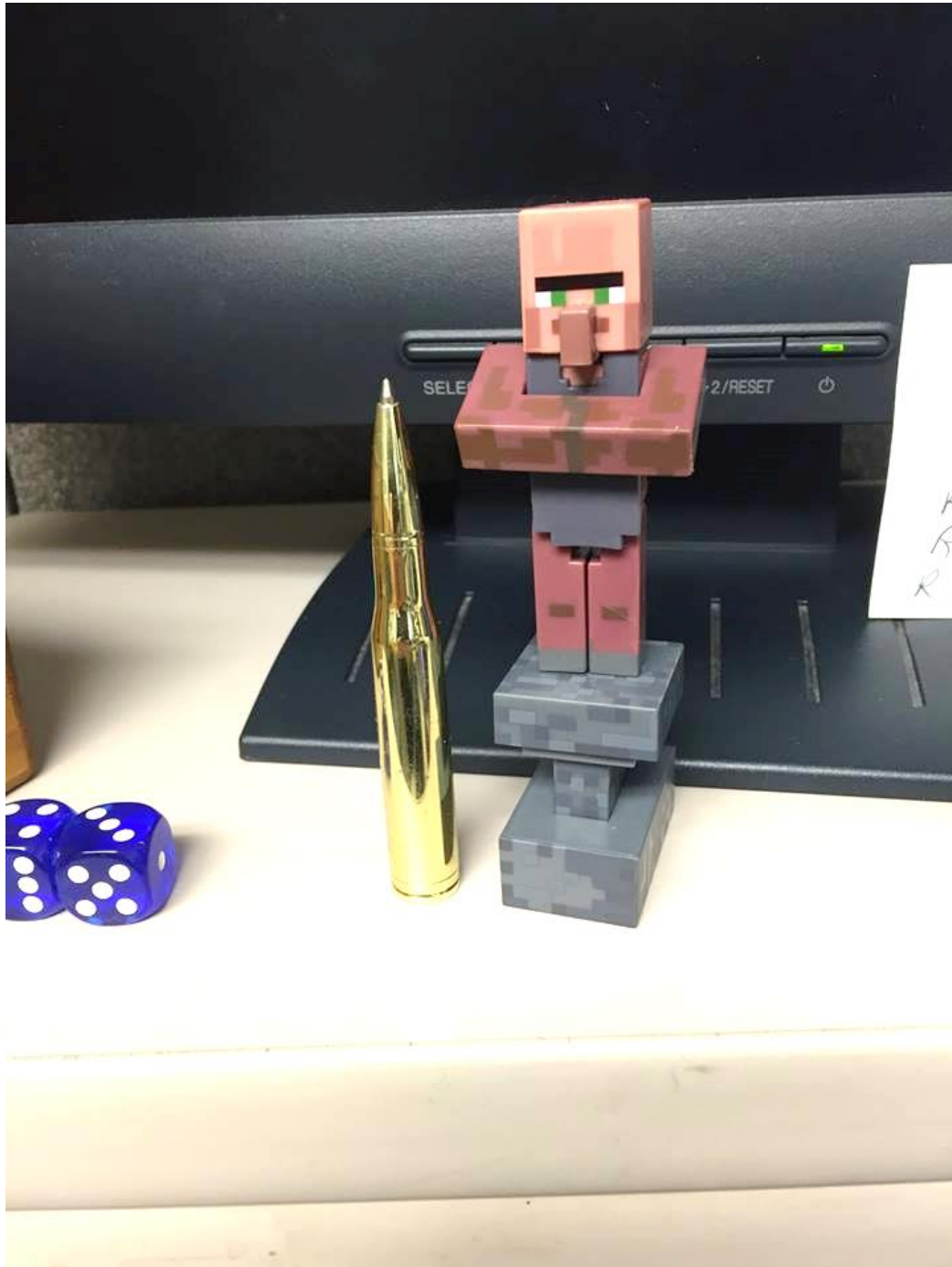
While this article was only able to cover two scenarios of team forging, there are many more out there. The important thing is communicating with your buddy before the metal starts moving and the shop is too loud for verbal commands. Remember, your buddy is a tool the same as fire. Use them!

## Anvil Surfing Pic of the Quarter

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As promised, here is a little bit of fun to end this issue. This picture comes via the Anvil Surfing Facebook page, courtesy of Eric Klaus from Beatrice, Nebraska. If you have young kids or grandkids, they will love this picture. There is a computer game called Minecraft and this is a picture of one of the villagers surfing on an anvil. Eric got to work one morning and the night cleaning crew had arranged these characters on his desk. (The bullet is there for a size reference.) Make sure to get your grandkids laughing with this one!

Thank you for all your submissions and please keep them coming. Now enjoy!



**Calendar for 2 Quarters**

<b>January 2016</b>						
Sun	Mon	Tues	Wed	Thu	Fri	Sat
					1 ^	2
3	4	5 *	6	7	8	9 ^*
10 *	11	12 *	13	14	15	16 *
17	18	19	20	21	22	23
24/ 31	25	26	27	28	29	30

\* Local Chapter Meeting  
 + Statewide Meeting  
 ^ Special Event

1	New Year's Day Open Shop <i>Winston Salem, NC</i>
5	Triad Blacksmiths 6:30pm <i>Winston Salem, NC</i>
9	NCABANA Board Meeting <i> Mooresville, NC</i>
9	Triangle Blacksmiths Firefly Glass Studio <i>Durham, NC</i>
10	Southern Foothills Blacksmiths <i>Mooresville, NC</i>
12	Wilkes Teaching Forge 7pm <i>Millers Creek, NC</i>
16	Triad Blacksmiths 9am <i>Winston Salem, NC</i>

<b>February 2016</b>						
Sun	Mon	Tues	Wed	Thu	Fri	Sat
	1	2 *	3	4	5	6 ^
7	8	9 *	10	11	12	13
14 *	15	16 *	17	18	19	20 *
21	22	23	24	25	26	27 ^
28	29					

\* Local Chapter Meeting  
 + Statewide Meeting  
 ^ Special Event

2	Triad Blacksmiths 6:30pm <i>Winston Salem, NC</i>
6	Iron Pour at Gallucci's shop 10am <i>Greensboro, NC</i>
9	Wilkes Teaching Forge 7pm <i>Millers Creek, NC</i>
14	Southern Foothills Blacksmiths <i>Mooresville, NC</i>
16	Brasstown Blacksmiths 5-8pm <i>Brasstown, NC</i>
20	Triad Blacksmiths 9am <i>Winston Salem, NC</i>
27	Dan Boone's Pasture Party 9am <i>Louisa, VA</i>

<b>March 2016</b>						
Sun	Mon	Tues	Wed	Thu	Fri	Sat
		1 *	2	3	4	5
6	7	8 *	9	10	11	12 *
13 *	14	15	16 ^	17 ^	18 ^	19 ^+
20	21	22	23	24	25	26
27	28	29	30	31		

1	Triad Blacksmiths 6:30pm <i>Winston Salem, NC</i>
8	Wilkes Teaching Forge 7pm <i>Millers Creek, NC</i>
12	Triangle Blacksmiths Eric Campbell's Shop <i>Raleigh, NC</i>
13	Southern Foothills Blacksmiths <i>Mooresville, NC</i>
16- 19	NOMMA's MetalFab 2016 <i>Greenville, SC</i>
19	Oak Hill Iron 9am NCABANA 1 <sup>st</sup> Q Meeting <i>Morganton, NC</i>

<b>April 2016</b>						
Sun	Mon	Tues	Wed	Thu	Fri	Sat
					1	2
3	4	5 *	6	7	8	9
10 *	11	12	13	14	15	16 *
17	18	19 **	20	21	22	23 +^
24	25	26	27	28	29	30 ^

\* Local Chapter Meeting  
 + Statewide Meeting  
 ^ Special Event

5	Triad Blacksmiths 6:30pm <i>Winston Salem, NC</i>
10	Southern Foothills Blacksmiths <i> Mooresville, NC</i>
16	Triad Blacksmiths 9am <i>Winston Salem, NC</i>
19	Brasstown Blacksmiths 5-8pm <i>Brasstown, NC</i>
19	Wilkes Teaching Forge 7pm <i>Millers Creek, NC</i>
23	Peter Ross's Shop 9am NCABANA Extra 2 <sup>nd</sup> Q Meeting <i>Siler City, NC</i>
23	Burlington Mini Makers Faire Demo <i>Burlington, NC</i>
30	Fire on the Mountain <i>Spruce Pine, NC</i>

<b>May 2016</b>						
Sun	Mon	Tues	Wed	Thu	Fri	Sat
1	2	3 *	4	5	6	7
8 *	9	10	11	12	13	14 *
15	16	17 *	18	18	20	21 *^^
22	23	24	25	26	27	28
29	30	31				

\* Local Chapter Meeting  
 + Statewide Meeting  
 ^ Special Event

3	Triad Blacksmiths 6:30pm <i>Winston Salem, NC</i>
8	Southern Foothills Blacksmiths <i> Mooresville, NC</i>
14	Triangle Blacksmiths Allan Green's Shop <i>Hillsborough, NC</i>
17	Wilkes Teaching Forge 7pm <i>Millers Creek, NC</i>
21	Triad Blacksmiths 9am <i>Winston Salem, NC</i>
21	Hammerstock <i>Gum Spring, VA</i>
21	Cary Festival Demo <i>Cary, NC</i>

<b>June 2016</b>						
Sun	Mon	Tues	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7 *	8	9	10	11
12 *	13	14	15	16	17	18 *
19	20	21 **	22	23	24	25 +
26	27	28	29	30		

7	Triad Blacksmiths 6:30pm <i>Winston Salem, NC</i>
12	Southern Foothills Blacksmiths <i> Mooresville, NC</i>
18	Triad Blacksmiths 9am <i>Winston Salem, NC</i>
21	Wilkes Teaching Forge 7pm <i>Millers Creek, NC</i>
21	Brasstown Blacksmiths <i>Brasstown, NC</i>
25	Dixie Classic Fairgrounds 9am NCABANA 2 <sup>nd</sup> Q Meeting <i>Winston Salem, NC</i>

July 2016						
Sun	Mon	Tues	Wed	Thu	Fri	Sat
					1	2
3	4	5 *	6	7	8	9 *
10 *	11	12	13 ^	14 ^	15 ^	16 *^
17	18	19 *	20	21	22	23
24 /31	25	26	27	28	29	30

5	Triad Blacksmiths 6:30pm <i>Winston Salem, NC</i>
9	Triangle Blacksmiths <i>near Raleigh, NC</i>
10	Southern Foothills Blacksmiths <i>Mooresville, NC</i>
13-16	ABANA Conference <i>Salt Lake City, UT</i>
16	Triad Blacksmiths 9am <i>Winston Salem, NC</i>
19	Wilkes Teaching Forge 7pm <i>Millers Creek, NC</i>

\* Local Chapter Meeting

+ Statewide Meeting

^ Special Event

Introducing **FORGE-APRONS**, the stylish answer to protective, leather aprons for blacksmiths, fabricators, welders, metal smiths and machinists. These medium weight, 4 - 5 oz, leather aprons offer durable protection without weighing you down. Our blacksmith aprons have fully adjustable, criss-cross straps with wide shoulder pads that distribute the weight over your shoulders, providing long wearing comfort without neck strain. The single, quick release snap makes getting in and out of FORGE-APRONS a snap.

Designed for Super-Heros like you, the FORGE-APRON'S Logo Pocket is infused with super-powers that help shield you from hot slag and stray projectiles while inconspicuously appearing to be designed for holding rulers, soap stones and such. The flying spark deflection booster in FORGE-APRON'S smooth surface combined with leather's natural flame resistance, helps ensure the only thing on fire, is the forge. Meanwhile, the amazing strength and elasticity of the FORGE-APRON leather resists damage while it works hard to keep you looking like a super-hero by fending off the filth and grime that is rampant in your shop. Even if you aren't actually a super-hero, wearing a FORGE-APRON will make you feel like one.

The Original FORGE-APRON is a blacksmith apron that offers complete vital organ protection in a bib style measuring 36" long by 24" wide. Custom sizing for tall, large girthed and petite smiths is available, though we do offer the Short FORGE-APRON for smaller statured smiths. The Lap-style FORGE-APRON is a blacksmith apron that offers protection below the waist and helps reduce wear on clothing from working at the layout table while still providing you the super-power protection and convenience of the FORGE Logo Pocket.

And if great styling, comfort and being a tough, hard-working, protective leather blacksmith apron isn't enough for you, FORGE-APRONS offers you the option to Personalize your apron with your name or shop name in addition to offering you the option to Customize your blacksmith apron with your own logo. But there's more, when you order a FORGE-APRON you also receive FREE Priority Mail shipping on your blacksmith apron because, well, FORGE-APRONS are all about taking customer service to infinity and beyond!

(575) 313-4650  
[Forge-Aprons@Outlook.com](mailto:Forge-Aprons@Outlook.com)  
[www.FORGE-APRONS.com](http://www.FORGE-APRONS.com)



## 2nd Quarter Extra Meeting at Peter Ross's Shop

Saturday, April 23<sup>rd</sup>, 2016

Starts at 9am with lunch at noon

2232 White Smith Road

Siler City, NC

## 2nd Quarter Meeting at Triad Blacksmiths

Saturday, June 25<sup>th</sup>, 2016

Starts at 9am with lunch at noon

Dixie Classic Fairgrounds

Winston Salem, NC

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## Local Group Meetings

Triad Area Blacksmiths (Winston-Salem, NC)  
Marshall Swaringen  
[marshall@swaringen.com](mailto:marshall@swaringen.com) (336) 998-7827

1<sup>st</sup> Tuesday at 6:30PM for demos  
3<sup>rd</sup> Saturday at 9AM for business and all day forging  
Dixie Fairgrounds, Winston Salem, NC

Southern Foothills Blacksmiths ( Mooresville, NC)  
Steve Barringer  
[steve@powerhammerschool.com](mailto:steve@powerhammerschool.com) (704) 660-1560  
2<sup>nd</sup> Sunday each month

Triangle Blacksmith Guild (Raleigh - Durham, NC)  
Randy Stoltz  
[rhstoltz@gmail.com](mailto:rhstoltz@gmail.com) (919) 481-9263  
2<sup>nd</sup> Saturday in odd # months at various locations

Brasstown Blacksmiths (Brasstown, NC)  
Paul Garrett  
[pgarrett286@gmail.com](mailto:pgarrett286@gmail.com) (704) 604-1777  
3<sup>rd</sup> Tuesday in even # months; 5 to 8 PM

Wilkes Teaching Forge (WTF) (Millers Creek, NC)  
Lyle Wheeler  
[ncchairmaker@gmail.com](mailto:ncchairmaker@gmail.com) (336) 838-2284  
3<sup>rd</sup> Tuesday of each month, 7:00 PM

Blue Ridge Student Blacksmith Guild (Flat Rock, NC)  
John Matthews  
[john.knox.matthews@gmail.com](mailto:john.knox.matthews@gmail.com) (828) 645-2109

You are welcomed to attend any of the local group meetings. Please contact the host to confirm date, time and location.

## NC ABANA Meetings

### 2nd Quarter Extra 2016 – April 23

Peter Ross's Shop  
Siler City, NC

### 2nd Quarter 2016 – June 25

Dixie Classic Fairgrounds  
Winston Salem, NC

### 3rd Quarter 2016 – August 27

Blacksmith Depot  
Candler, NC

### 4th Quarter Extra 2016 – November 4-5

John C. Campbell Folk School  
Brasstown, NC

### 4th Quarter 2016 – December 3

Roger Barbour's Shop  
Clayton, NC

## Other Events

### NOMMA's MetalFab

Greenville, SC  
March 16-19<sup>th</sup>, 2016

### Fire on the Mountain

Spruce Pine, NC  
April 30<sup>th</sup>, 2016

### Hammerstock

Gum Spring, VA  
May 21<sup>st</sup>, 2016

### ABANA Conference

Salt Lake City, UT  
July 13-16<sup>th</sup>, 2016

### Dixie Classic Fair

Winston Salem, NC  
September 30<sup>th</sup> – October 9<sup>th</sup>, 2016

For the most current meeting and event information go to the NC ABANA website,

[www.ncabana.org](http://www.ncabana.org)

# North Carolina Artist-Blacksmith's Association of North America



**THE HOT IRON SPARKLE**  
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