

June 2009

The Florida

Clinker Breaker

Florida Artist Blacksmith Association - Established May 18, 1985

Editorial Comments

Steve Bloom

I'm writing this about a week before heading off to the Madison Conference and a few days after the meeting at my shop, so it's been a bit busy; but never the one to let that slow me down, I've also been finishing off a long delayed project. As you might know, the entire archive of the Clinker Breaker has been scanned and is available on line (1985 to present). The how-to-do-it articles and such have also been indexed, so you can download a specific index and/or use the article index to find something of interest, and then download that issue. On the website, just click on [Clinker Breaker] on the home page.

One of the traditions among the various groups have been to send complimentary copies of newsletters to other editors so an editor could pirate neat articles for his own newsletter. While the number of such freebies has dropped off (as memberships waned and on-line archives grew), the other newsletters do represent a source of valuable information. Over the years that I have been an editor, I have scanned literally hundreds (in fact, close to 650) articles. As I was cleaning up the old hard disk, I realized that I could adapt the software I wrote to index the *Clinker Breaker* to index all of those scans once I converted all of them to jpegs from tifs (for those of you not into computer graphics, read this sentence as "geek...geek...geek..."). **SOOO...** we now have close to 650 scans from 50 organizations on our website. To access those scans, click on [How-to-do-it Articles]. Actual articles range from 1 to 14 scans, so be sure to download all pages for a given article. The information ranges from antlers to wrenches and everything in between. There are articles that have just appeared somewhere to some that date back to the early days of FABA. Quality is uneven (a function of the scanner and the originals) but they are still usable. There is a search facility provided, so you can enter 'Fork' and find instructions on how to make one. Enjoy! and learn!

Speaking of articles, I want to thank Tim Harding (see pg.8 and 9 of this issue) for his contribution. In the age of digital cameras, you don't have to be a draftsman to make a useful contribution. If you're

doing something you think is neat -- it probably is and ought to be shared! Of course, if your article is accepted, you receive the usual compensation (ahmmmm...bit thick, no?).

In the previous issue, I managed to misspell Jordan Thomas's name -- which was silly, considering it was spelled correctly in the adjacent text. All I can say is that Kimmy didn't check it in proofreading, so it's her fault <JUST kidding Kimmy!>.

As a service to your fellow smiths, if you have a scrap yard you like, please send me the particulars. I'll compile the list and include it in a future issue.

Notices:

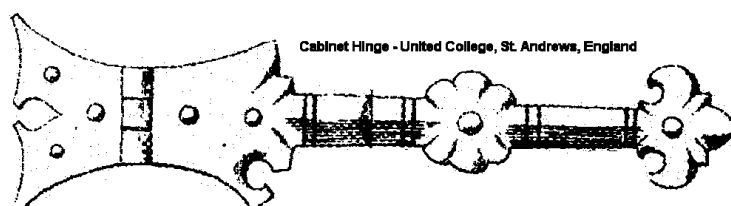
The next Board meeting will be a telephone conference call on July 16. If interested, contact a Board member for the relevant telephone number and the time (translation: I don't have that information yet).

Treasurer Reports:

The reports for the last quarter of 2007, all of 2008 and the 1st quarter of 2009 as well as the 2008 Conference Report are now available on the website. If you wish to read these, just click on [Board], then the desired report.

Annual Conference Teaching:

So far, the response to my request for guidance on what ought to be taught in the intermediate classes I'm involved in at the conference has been a deafening silence. I'm leaning towards fork making and the application of the techniques to the 'Moo' - a long-horn cow face on which the utensils are hung. If you want something else, let me know! We now have 4 coal forges, three anvils, and two gas forges on the teaching trailer, so we can handle a wide range of topics.



Upcoming Events

The calendar includes events of interest to the blacksmithing community. The regions have no boundaries - everyone is welcome everywhere. Come to more than one if you can. We hold regular meetings in each region on the following Saturdays of each month: NE-1st, NW-2nd, SE-3rd, SW-4th except for quarterly Statewide meetings. The actual dates vary so check the schedule below. Our meetings are informal gatherings around the forge. Prospective members are always welcome. Come for all or any part of a meeting, bring your tools or just watch. Most meetings run from 9AM to 4PM and you'll need to bring lunch if not otherwise noted. If you have any questions about meetings, please contact the Regional Coordinators:

Northeast Region	Mitch Widham	386-673-0174	mwidham@cfl.rr.com
Northwest Region	Billy Christie	850-421-1386	chriswoodforge@embarqmail.com
Southwest Region			
Southwest Region	Jerry Wolfe	941-355-5615	wolfforge@hotmail.com

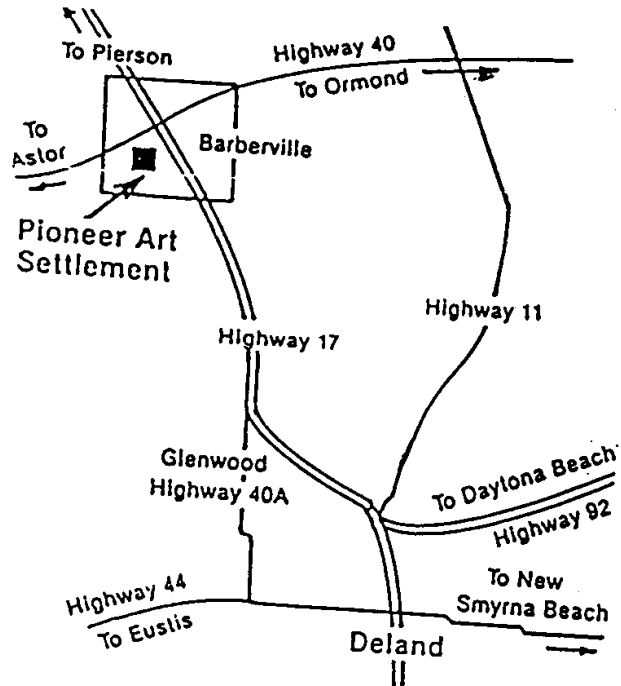
June 2009

NE 06 Barberville - open forges & horseshoe trinkets for the Settlement Store

NW 13 Edgar & Jean Chatten's Forge in Wakulla County, FL.-out Wakulla Springs Rd. Bar-B-Que Chicken will be provided, so please remember to bring a covered dish and your "Iron In The Hat" items. From the intersection of Crawfordville Rd. (Hwy. 319) and Capital Circle SW, go south on Hwy. 319 two miles, turn left on Hwy. 61 (Wakulla Springs Hwy.) and proceed 5.1 miles, turn left on Chatten Road. Follow driveway two miles to house on right. Tomahawks and knives.

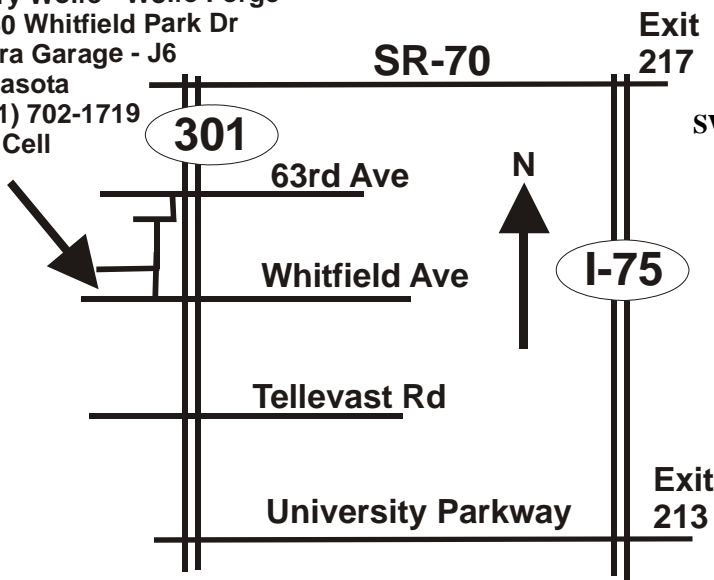
SE 20 Until further notice-Tanah Keeta

SW 27 Wolfe Forge.Demo by Mike Willman - Knife Making Michael will be demonstrating all phases of knife making. Michael uses differential hardening techniques to create hamons on the blade. Techniques of forging, heat treating, and polishing will be demonstrated. Michael has been working hot metal and making blades since 2005. He learned the techniques by research, trial and error. Michael is our youngest demonstrator at 17 but has shown great potential, so come and learn from and encourage our "young smiths". Demonstration starts at 10AM, come for informal hammering starting at 9AM. We will have our normal Iron in the Hat and a pot luck dinner - Bring a dish to share.



NE Region

Jerry Wolfe - Wolfe Forge
 2260 Whitfield Park Dr
 Extra Garage - J6
 Sarasota
 (941) 702-1719
 Cell



SW Region

SE Region

Boy Scout Camp: from I-95 exit go east onto Indiantown Rd, go north (left) onto Island Way (1st traffic light). Stay on it until it ends at Country Club Dr. Go left—it ends at the entrance to Boy Scout Camp.

Future Events

NW – July 11- Rob & Valynda Nichols's Forge at 3007 Old Lloyd Rd. Monticello, FL.

NW Aug 08 - Marty and Pat's, Shimansky Specialty Machining, Inc., 4972-B Woodville Hwy. (You have to turn onto Marpan Lane in order to get to the machine shop.) I can't wait to see the waterjet cutter demonstration!

Report from the Northeast *Mitch Widham and Steve Bloom*

Saturday May 2nd was a beautiful day for the NE regions monthly meeting held at Steve Bloom's Iron Flower Forge near Archer, FL. If you didn't make it out, you really missed an outstanding demonstration by one of Steve's old friends, John Perry of Tampa. John was fascinating to watch as he showed members some basics of repousse work on 18 and 20 gauge metals. The thing that impressed me the most was how John was able to move the metal (without heat) into detailed figures and shapes, and all with just a handful of basic tools. John showed a variety of techniques for repousse of thin materials (such as stainless, brass and copper). He demonstrated the layout and forming of a rose (about 12" tall and approximately 1" of lift from the background) using a series of hammers, chisels (for chasing) and sand bags and lead blocks for backing. He also showed how such results could be applied to motorcycle gas tanks and/or simply as portraits suitable for hanging. To see more of his work go to JandMMetalArt.com. It was the first time that I have been to Steve's shop; I could have spent all day just looking at the tools and equipment, he really has quite the setup and you can clearly see that he put a lot of thought into the layout and functionality, very impressive, I learned a lot and took away lots of ideas. But I still can't understand why you need 15 gas forges?

We had about 30 people in attendance mostly from the NE but several others from across the state, who all enjoyed Steve and Kimmy's hospitality and chili lunch which appeared to have been hit by locusts <grin> if the small amount left behind was any indication. Thank you again for organizing and hosting this great event. Buck in the Bucket was successful with \$115.00 raised, thanks to Tim Harding for donating the hand forged items, Alan Hardwicke for cleaning out a corner of his shop, and to Melanie Owen for running the drawing. There was some pretty good stuff on the table that day, let's keep up the good work, please don't be bringing your old broken lamps, coat hangers, and the trash your wife is trying to throw away. How about some blacksmithing stuff, like tools, books, hand forged items and metal. I just know that some of you old timers are hoarding stuff that you haven't used in years, so dig that crap out of the corner of your shop or from under your bench, and let's get it into the hands of someone that might use and enjoy it.

The June meeting is back at Barberville, where we will be making items to donate to the Country Store. The plan is to make plant hangers, baskets and other items all with an equine theme, so dig out your old horse shoes and any ideas or plans that you have that incorporate shoes. I would also like to get going on a project that we could make as a Region to donate to the auction at the annual conference, if you have suggestions or ideas, please see me at the June meeting.

Report from the Northwest *Patty Draper and Billy Christie*

10th century Viking locks and arrowheads were the topic at the April 11, 2009, statewide meeting, and if forging activity generated after a meeting is any indication of success, this meeting was amazingly successful. By the following morning,



Viking arrowheads

President Rex Anderson had his lock well under way and numerous other members are working on arrowheads! Many thanks to Elmer Roush of Brasstown, NC, for his excellent demonstration.

Elmer helped set up a school of blacksmithing in Ireland and while there he studied Viking ironwork. The lock he made for us consists of a tube of sheet metal, a shackle, a keeper which holds the shackle in place and a key for the lock. The keeper has a spring which flares open just enough to keep it (and the shackle) in place; the key depresses the spring so that the keeper may be removed and the lock opened. Besides learning the mechanism of this ancient lock, we learned how the spring was braised with brass onto the keeper core; the lock tube was also braised at its seam with brass. Elmer used flux (borax) and a small length of brass braising rod and brought the tube to a red heat very slowly (i.e., a soaking heat). Brass filings also work. This form of joinery is very appealing for small projects where other welding methods are impractical.

The arrowheads seem like they would be quite lethal. They use the minimum of material (about a one inch length of 1/2 by 1/4 inch stock). One end is flared and shaped into a tube which is fitted onto a shaft. The idea was for the arrowhead to impale the victim and the shaft to fall off, rather than holding fast and maybe pulling the arrowhead out.

We are so fortunate to have a resource like Elmer Roush. His passion is hand forged tools and he loves the black metal. He has been blacksmithing for over 35 years even though he finds it the "hardest thing I've ever done." (I'll second that!!!). The lock Elmer made, as well as the arrowheads, will be auctioned at our annual meeting in Barberville on October 10. In the meantime, check out Elmer's work at <http://www.elmerroush.com/>

The Panhandle Pioneer Settlement provided a beautiful setting for our meeting, as well as a tasty lunch, supplemented by our members. There were 35 people at the meeting, and the iron-in-the-hat brought in \$119. Thanks to everyone who brought donations—for iron-in-the-hat and lunch--and to Mark Stone for helping with the drawing.



Trez Cole & Leaves

(Yellow Tabebuia) near the forge.

All the hammering on the Little Giant led to some creative "noise cancellation" techniques by Phil Pauley, "Phil - Next time I suggest you take the ear plugs out of the package first". Thanks to Bob Lillis for the

Report from the Southeast

Ed Aarons

I would like to post a call to arms - or really a call to forges... the Boy Scouts would like us to instruct them in basic blacksmithing to earn their Metal Work Merit Badge. If anyone is available during any of the following-their help would be greatly appreciated. Week 1-June 21-27, wk 2-June 28-July 4, wk 3-July 5-11, wk 4-July 19-25. Usually will be a day during the week, which is difficult as we all know. *SE is still looking for a coordinator....*

Report from the Southwest

Jerry Wolfe

The April 25 meeting was attended by 10 and we had a great time making leaves for two memorials; Australian Fire Fighters and Tom Clark.

Trez Cole sent off seven leaves made by the attendees, all made from Stainless Steel donated by ALRO Metals. Four leaves were donated to the Tom Clark Memorial in Missouri. A demo by Jerry Wolfe and Mike Barry created a scroll jig and a heart gong. It will make noise and get your attention if needed. We had a great lunch under the tree of gold



Jerry Wolfe & Mike Barry with Heart Gong

donation of noise protection



Notices, For Sales & Want-Ads

BLACKSMITH COAL

\$35 per 100 lb bag (Pickup only) & details - Pioneer Settlement, contact the Settlement at 386-749-2959 or 386-749-2087 or mail your order with payment to PSCA/COAL, P.O. Box 6, Barberville, FL 32105. Accepted forms of payment: cash, money orders, checks, MasterCard and Visa.

FOR SALE:

Ingersoll-Rand 5 hp air compressor - 60 gal 125 psi with a new

head (\$55.00 for new head) and about 10 air tools Asking \$600

Tire Hammer designed by Clay Spencer and built at a blacksmith workshop. Asking \$2000

Gear Driven lathe 110 (Craftsman like) (Needs work) Asking \$400

Miller BOBCAT 300 amp welder for \$2400 (very low hrs and looks like new)

Call Dennis Stiffler in Tampa 813 831 0454

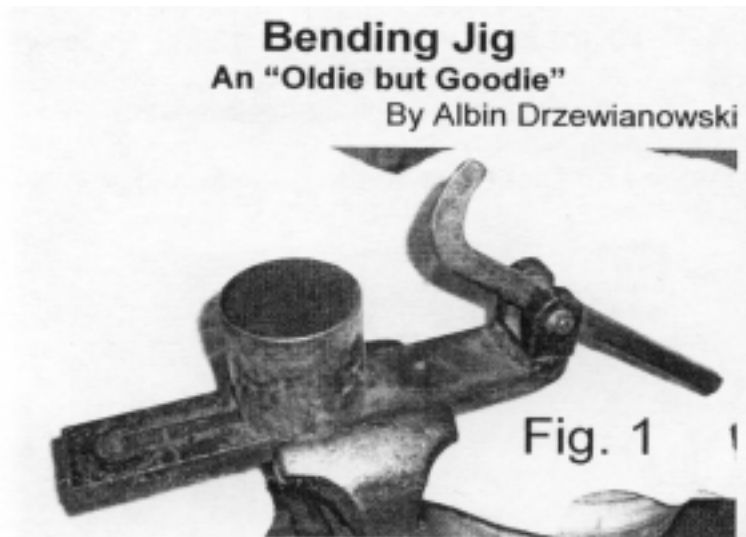
Out-of-Region Conferences:

This is to inform you of two events that will take place in Pontiac Ill. The first is the annual IVBA Conference. This will be held June 12th-14th 2009. This year, since the URMBC is to be held July 17th -19th, The demonstrators will be IVBA

members. Demonstrations will include fielding questions on blacksmithing techniques. John Lovin and Augie Schmitt will conduct this demonstration. Gary Jameson will cover art principles as they apply to blacksmithing and Clifton Ralph and Steve Parker will give tips and techniques on the power hammer. More information may be found on the IVBA website www.illinoisblacksmiths.org.

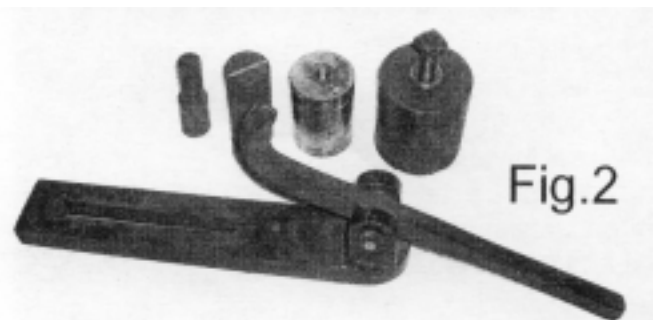
More information on the UMRBC conference may be found at www.umbc.org. The UMRBC is an event sponsored by the Indiana Blacksmiths Association, Upper Midwest Blacksmith Association, and Illinois Valley Blacksmith Association. Each of these clubs will sponsor a top quality demonstrator.

As is customary with blacksmithing events tailgating is welcome.



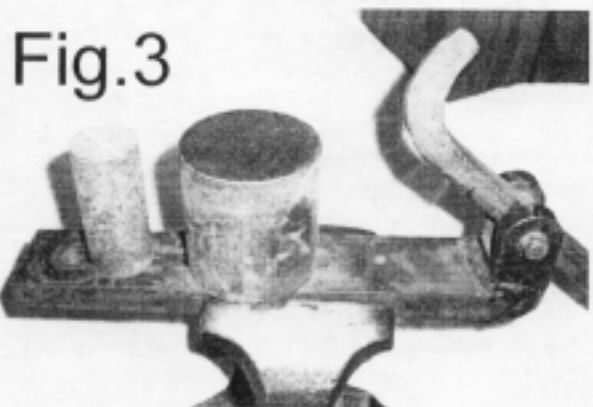
This jig (Fig.1) goes back about 18 years. It was one of the very first that I got and used (and still use often). It was made by my father-in-law, a machinist at Spaulding Sporting Goods in Massachusetts. I thought that the concept had come from one of the very first BGCM Newsletters, but I looked and could not find the reference. Maybe someone brought one for "show and tell" at one of those very first Guild meetings.

The tricky part in making this jig is getting the slot that runs down the middle of the base. I believe my father-in-law used a milling machine to do that part. I suspect an alternate method would be to weld together 2 long pieces of 1" square with short spacers at each end to create the long slot. The rest of the jig is some basic welding and tap/die work.



Because there are 4 different sized mandrels and with the slot running down the middle of the base (Fig.2), this is a very versatile bending jig. Sometimes I will bolt in two of the mandrels to get certain compound curves (Fig.3).

12 **HAMMER & TONG** March / April 2007



Anyone who has taken the BS-101 class will recognize it, as we use it to bend the loop for the drip can handles. The 3 inch mandrel is a perfect fit for bending a loop to fit around a soup can.

ABANA Affiliate Liaison Letter: What is ABANA and what can it do for us?

1/28/2009

ABANA is the Artist Blacksmith Association of North America. It is an organization that helps unite artist-blacksmiths from over 75 affiliated groups in the United States and other countries.

ABANA is an important resource for a wealth of artist-blacksmithing information from around the world. This information is passed on to its members via its two quarterly publications *The Anvil's Ring* which presents feature articles on many blacksmithing topics, affiliate news and many other subjects and the *Hammer's Blow* which features technical tips and techniques for the amateur and professional smiths.

ABANA has a very extensive and usually current web site. In addition to being an information resource, the web site allows affiliates and ABANA members to post a link to their own web sites and to post announcements of their conferences, exhibits and other events. ABANA's web site is also open to the public and has been very effective in reaching and educating the general public about what the artist-blacksmith can do.

ABANA is planning to resume its biennial national conference in June 2010 with a grand effort. It will be a gathering of international artist-blacksmiths from around the world with a sharing of their ideas and techniques. Coinciding with the conference is a National Ornamental Metal Museum international contemporary blacksmithing exhibit which will tour the US for two years after the conference.

ABANA's Scholarship Program provides financial assistance to its members for educational workshops or for extended study such as journeyman programs.

ABANA's Affiliate Grant Program provides financial support to ABANA Affiliates sponsoring a visiting artist for educational conferences or workshops.

ABANA members receive a 5 to 10% discount when shopping with blacksmith merchants supporting ABANA.

ABANA members can obtain affordable health insurance through Transamerica and Ameritas; including limited medical and hospital, disability, dental and vision coverage.

These are but a few of the benefits ABANA offers blacksmiths. ABANA is continually seeking ways to benefit its membership, such as in obtaining affordable health insurance for the self-employed smith or for the recently laid off hobbyist who could not afford a COBRA or private insurance plan. ABANA is also working to soon have catastrophic medical and property and casualty insurance available to members.

The economy right now is terrifying and it is predicted to get worse before it recovers. And it will recover, however for now, millions of good workers have lost their jobs and many companies have shut their plants down permanently. Not since the great depression in the 1930's has the economy's outlook been so bleak. In the middle of all this mess are professional smiths who are trying hard to make a decent living from an honest day's work. There are amateur smiths, now unemployed because of plant closings, who are doing all they can to survive and turn their hobby into a fledging business and get through these rough times. And they can do it. For, unlike during the depression, today's artist-blacksmithing community has the resources and networking available to help them successfully compete in today's turbulent business world. And ABANA with its affiliates is at the center.

Some of our affiliates have been around a long time. Some of them were formed as local chapters of ABANA soon after ABANA was formed. Well, they have grown up. They are big boys now and no longer need the guidance and the direction and the assistance of their parent. And they really have done a great job of it. They have extensive workshops, great grant and scholarship programs, sponsor and promote artist-blacksmith exhibits, coordinate extensive demonstrations and conferences and the list goes on. ABANA is a very proud parent, and I am sure our founding fathers would heartily agree. As in any family, we have had our disagreements and conflicts, but we are all part of the family of blacksmiths and that's the way it is

ABANA was begun many years ago with a gathering of blacksmiths to share ideas and methods. Demonstrate one and learn a dozen more. This marvelous method of sharing of knowledge was carried to Europe by British and German smiths and has since spread over the world. At the founding of ABANA, Dimitri Gerakaris said "Our task is great and so is our joy". And the joy of a proud parent is a wonderful thing indeed.

If you are a member of ABANA, we thank you. If you are going to become a member of ABANA, we welcome you. If blacksmithing is important to you but what ABANA can do for you is not enough, will you become an ABANA member for what ABANA can do for blacksmithing? :Bruce Woodward ;ABANA Affiliate Relations Committee Chair;woodwardiron1@roadrunner.com

ABANA News:

Wayne Coe has retired from the ABANA Board of Directors, but not from blacksmithing. His white hat, mischievous grin and country lawyer wit will be found at smithing events for a long time to come.

We welcome Len Ledet and Lance Davis as new members of ABANA's Board of Directors. Len, from Scottsdale, Arizona, will fill the seat vacated by Kim Saliba. Lance, from Jonesborough, Tennessee, will fill the seat vacated by Wayne Coe.

Florida Artist Blacksmith Association Walt Anderson Scholarship

This scholarship was established to honor the memory of Walt Anderson, one of our charter members. Its purpose is to further the craft of blacksmithing and is available to any FABFA member in good standing. The award is limited to the actual cost or \$1000 whichever is lesser. It may be used for materials, tuition, lodging and transportation (paid at the rate of 43.2 cents per mile or the actual cost of public transportation, whichever is lesser).

A letter of application or a detailed email may be submitted provided the applicant answers the following questions:

1. What is your name, address and phone number?
2. How much experience in blacksmithing do you have?
3. How will this instruction help you with your blacksmithing craft?
4. What is the name of school you wish to attend?

5. What is the name of the course and the name of the instructor teaching the class?

6. What costs will be incurred (tuition, materials, lodging, transportation, etc.)?

Note: By accepting the Walt Anderson Scholarship the applicant agrees to provide a demonstration of skills learned and write a report of the learning experience, including "how-to" for publication in the Clinker Breaker. This next item not required but strongly suggested that an article made by the new knowledge be offered for auction at the Annual meeting.

Completed letters of application or emails should be sent to me: John Butler, Chair, FABFA Scholarship Committee, 777 Tyre Road, Havana, FL 32333 or emailed to jgbutler@sprintmail.com.

Deadline for receipt is June 15, 2009. Three finalists will be recommended to the Board. The decision of the Board will be final. The successful applicant will be notified.

New Jersey Blacksmiths Newsletter

ALLOY CONTENT OF VARIOUS TOOL STEELS SUPPLIED BY NOTED KNIFE SMITH

WAYNE GODDARD

	C	Mn	Si	Cr	Ni	Mo	Co	V	W
Vascowear	1.12	0.30	1.20	7.75	/	1.60	/	2.40	1.10
A-7	2.25	0.70	0.40	5.25	/	1.15	/	4.75	1.25
T-15	1.50	0.25	0.25	4.50	/	0.50	0.50	5.00	12.50
M-2	0.85	0.25	0.25	4.00	/	0.50	/	1.90	6.00
BG-42	1.15	0.15	0.30	14.50	/	4.00	/	1.20	/
CPM T440-V	2.20	0.5	0.5	17.50	/	0.50	/	5.75	/

	C	Mn	Si	Cr	Ni	Mo	V	W
1095	0.95	0.40	/	/	/	/	/	/
52100	1.10	0.35	0.35	1.50	/	/	/	/
O-1	0.90	1.60	/	0.50	/	/	/	0.50
L-3 (BB)	1.00	/	/	1.50	/	/	0.20	/
L-6	0.75	0.70	0.25	0.80	1.50	0.30	/	/
Alpha Knife- Cham- paloy	0.66	0.39	0.20	0.74	1.47	0.12	/	/
8670M	0.75	0.50	0.25	0.40	0.80	0.08	/	/
Large Round-saw Uddeholm	0.80	0.30	0.25	0.20	2.20	/	/	/
Sandvik Bandsaw 15N20	0.75	0.25	0.35	/	2.00	/	/	/
5160	0.60	0.80	/	0.80	/	/	/	/
W-2	1.00	0.35	0.35	/	/	/	0.20	/

Making the Folded Cross*

Tim Harding 3-12-09

Materials: $\frac{3}{4}$ x $\frac{1}{8}$ x $5\frac{1}{2}$ inch mild steel

Tools: Tape measure, soapstone marker, hacksaw, files, tongs, hammers, bending fork, punches, hot cut, cutting plate, wire brush, scotch brite.



Lay out: Mark $\frac{3}{4}$ " from one end on the $5\frac{1}{2}$ inch length of $\frac{3}{4}$ x $\frac{1}{8}$ mild steel.

(1) fold other end to meet the mark (use bending fork & forging heat). Then flatten.



(2) Cool. Mark a point $1\frac{1}{8}$ inch from the fold & $\frac{3}{8}$ inch in from the edges. Drill or punch a $\frac{3}{16}$ " hole. If punching, use yellow heat. The slug may not drop out because of the fold but once you open it up you will be able to remove it



(3) Reheat the piece to a yellow color & hot cut from the center of the hole to the fold (remember to use a cutting plate over the face of the anvil to protect the tool and anvil.)



(4) Heat to red & clamp in the vise. Use the hot cut, spread the arms & use the tongs to grab the arm. Use the corner of the anvil to open the arms & to form them to size.



* I wish to credit the Master Blacksmith who first demonstrated this cross to me. He is Alex Parubchenko of the Blacksmith of Trenton Forge of Trenton, NJ.

(5) Try to get the arms perpendicular to the body of the cross & as even as possible. Allow the cross to cool. I like to clean up any rough spots with a file at this point since once the cross is opened access may be restricted. Reheat to red.



(6) Using the hot cut & tongs to unfold the body of the cross. Wire brush to remove scale. The right-most picture what you should have at this point. Use the edges of the anvil the hardy, whatever to square up the cross.



(7) Now you get to be creative and add a bit of personality to your cross. Generally I taper the edges and add cross pein / ball pein marks to the surface. You may also want to taper the cross body for a different look.

Drill or punch a hole in the top if you are going to add a piece of cord for a necklace. The ring in the hole is made of copper wire wound around a mandrel and cut off with a saw, creating a split ring. Next remove any residual scale, smooth any rough edges and finish.

I use a mixture of 2/3 parts shellac to 1/3 part boiled linseed oil, and a dash of Japan drier, shake before using and apply with a cloth. Finish dries in about 5 minutes. Buff with scotch brite and reapply.

Here are some examples. I sell the simple folded crosses for \$15.00 and the fancy tapered for \$20.00.



Note: The entire cross can be done cold if you are careful, bend, drill hole, cut with the hack saw, place piece in vise, fold the arms out, clean up with the file, unfold the body and add your creative touches. Vary the dimensions to create different effects. **Happy forging!**

The Florida Artist Blacksmith Association (FABA) is a 501(c)(3) non-profit educational organization whose purposes are to teach, promote, and preserve the art of blacksmithing. Contributions are tax-deductible to the extent provided by law. FABA publishes the Florida Clinker Breaker monthly, and FABA membership includes a subscription. We solicit correspondence and unpaid articles on any subjects related to FABA's purposes. ABANA chapter newsletters may reprint non-copyrighted material if it is credited to the author and this newsletter. You need the publisher's permission to reprint copyrighted material unless otherwise noted.

FABA Officers

President	Rex Anderson	850.997-2748	rexaanderson@embarqmail.com
Vice President	Charles (Hippie) Pate	850-997-6986	-unknown-
Treasurer	Juan Holbrook	352-374-8888	talcaforge@craigfitz.net
Secretary	Jim Labolito	850-567-6464	fernforge@comcast.net
Program Chairman	Mark Stone	850-668-9527	markham62@comcast.net
Newsletter Editor	Steve Bloom	352-528-6508	sabloom@ironflower.com
Past President	Bill Robertson	850-668-2876	applecrossforge@nettally.com
Trustee NE	Kathy Thomas	386-985-4756	ramsheadstudios@bellsouth.net
Trustee NW	Ron Childers	850-878-8537	munlaw2@hcsmail.com
Trustee SE	Ralph Nettles	561-747-5489	-unknown-
Trustee SW	Jerry Wolfe	941-355-5615	wolfeforge@hotmail.com

Steve Bloom, Editor; P.O. Box 760; Archer, FL 32618; (352) 528-6508 or smith@blacksmithing.org; <http://www.blacksmithing.org>

FABA MEMBERSHIP APPLICATION

Florida Artist Blacksmith Association, Inc.
 Founding member Southern Blacksmith Association.
 Date _____ New Renewal

Name _____
 Address _____

 City State Zip
 Phone: Home _____ Work: _____
 E-Mail _____
 Spouse's Name: _____

Send application & a membership fee of \$25.00 to

Juan Holbrook, FABA Treasurer
 6418 NW 97 Court
 Gainesville, FL 32653

Make check out to FABA. Your FABA membership begins when we receive your payment and lasts one year. Membership is for a family.

Don't list me in the directory []



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