

CHAPTER OF ABANA

Hot Iron News

VOICE OF THE NORTHWEST BLACKSMITHS ASSOCIATION

FALL 1994

\$4.00 U.S.



Hot Iron News is the official quarterly publication of the Northwest Blacksmith's Association. Submission of materials for the magazine is eagerly encouraged and may be sent to the editor, Gene Chapman. Dead-line for submissions are February 15, May 15, August 15 and November 1. Other ABANA Chapters, blacksmith associations, and non-profit educational metals oriented groups have permission to reprint non-copyrighted materials found within the covers of **Hot Iron News** as long as credit is given to the authors, the magazine and NWBA. The Northwest Blacksmith's Association, and the Hot Iron News disclaim any responsibility or liability for damages or injuries as a result of any construction, design, use, manufacture or other activity undertaken as a result of the use or application of information contained in any article in the **Hot Iron News**. The **Hot Iron News** makes every effort to insure the accuracy of the information contained in the articles published herein, but the use of any material or information is solely at the user's own risk. The **Hot Iron News** assumes no responsibility or liability for the accuracy, fitness, proper design, safety or safe use of any information, technique, materials, tool design, use, etc., contained herein.

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**N.W.B.A.
P.O. BOX 81041
SEATTLE, WA 98108**



We're expecting you at the

N.W.B.A. 15th ANNIVERSARY FALL CONFERENCE

September 29 - October 2, 1994

at

Barney Coski's
5323 - 12th Street N.E.
Tacoma, WA 98422

Tons of fun for all!!

Read all about it in the following pages!

CONFERENCE SCHEDULE

THURSDAY:	Dawn to 1:00 p.m. 1:00 - 5:00 p.m. Evening	SET UP DEMOS OPEN FORGES
FRIDAY:	9:00 - 11:00 a.m. 12:00 - 1:00 p.m. 1:00 - 5:00 p.m. Evening	DEMOS LUNCH DEMOS PRIMITIVE FORGING CONTEST
SATURDAY:	9:00 - 11:00 a.m. 12:00 - 1:00 p.m. 12:00 1:00 - 5:00 p.m. 6:00 - 7:00 p.m. 7:00 - 10:00 p.m. 10:00 - ?????	DEMOS LUNCH DESSERT CONTEST DEMOS POTLUCK AUCTION OPEN FORGES
SUNDAY:	9:00 - 11:00 a.m. 11:00 - - - -	DEMOS LUNCH & CLEAN UP

Fall 1994

1994 FALL CONFERENCE REGISTRATION

September 29, 30, October 1, 2, 1994
Barney Coski's, Tacoma Washington

Registration and Fees:

I am a member of N.W.B.A. []

I am a member of ABANA []

Pre-Registered before September 15th	\$35.00	\$_____
After September 15, or walk-in	\$40.00	\$_____
Spouse	\$ 5.00	\$_____
Children \$5 per child x =	\$_____	\$_____
N.W.B.A. Membership/	\$20.00	\$_____
Out of country	\$24.00	\$_____
Auction Item \$5 discount		\$_____
	TOTAL	\$_____

Make your check payable to N.W.B.A. and mail to:

N.W.B.A.

P.O. Box 81041

Seattle, WA 98108

DISCLOSURE/ASSUMPTION OF RISK

I hereby acknowledge that by attending the N.W.B.A. Fall 1994 Conference to be held on the property of Barney Coski's in Tacoma, Washington, I assume all risks, hazards and dangers that are present on the property by reason of its location, the terrain and the various equipment located on the property. I specifically waive and release Northwest Blacksmith's Association and Barney Coski of any liability, loss or damage which may occur as a result of my presence on the property.

ALL ADULTS MUST SIGN:

Name _____ Print Name _____

Spouse _____ Print Name _____

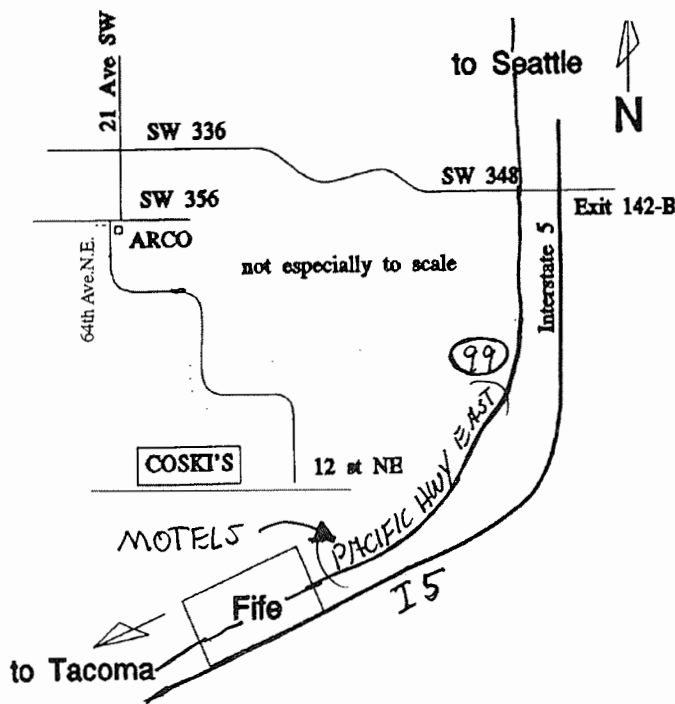
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Child _____ Print Name _____

Address _____ Phone _____

City _____ State _____ Zip _____

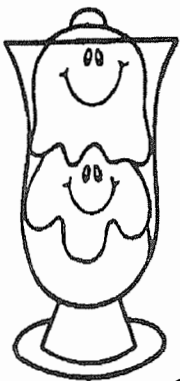
Directions to Conference



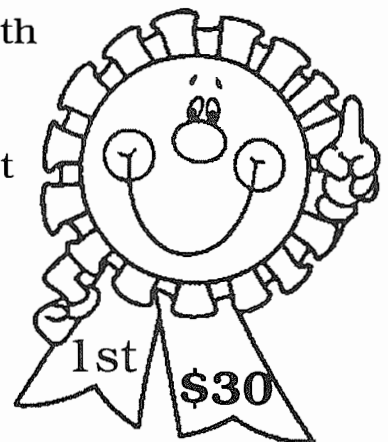
From I-5 take the Puyallup exit (142B). Head west on SW 348th St. about 2 miles. It turns into SW 336th St. Turn left onto 21st Ave S.W. Go until it T's at SW 356th St. Turn right. Go one block, turn left onto 64th Ave. N.E. Follow that road (several right angle curves and changes its name) until you get to 12th Street NE. Turn right. Coski's is about 1/4 mile further.

DESSERT CONTEST

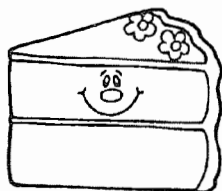
SATURDAY NOON



What's the surest way to divert a blacksmith from his anvil? The smell of home baked goodies! Now is the time to prove that you can get a blacksmith's attention! The "Roast Beast Boys" (cookers of the critter) have put up \$60.00 for a dessert contest. First prize \$30, 2nd prize \$20 and third prize \$10. Ladies and Gents . . Bake Your Finest!



Scrumptious delights to be judged at noon by the beast pit. Please just bring a medium sliver, not a shovelful of each. We blacksmiths need to watch our figures. The remainder will be tested by all at the pot luck.



Tacoma . . .

What to see, Where to stay

LOCAL MOTELS

BIRD'S MOTEL

3801 Pacific Highway E.
Fife, WA 98424
(206) 922-8637

COMFORT INN

5601 Pacific Highway E.
Fife, WA 98424
(206) 922-2301

DAFFODIL MOTEL

7909 Pacific Highway E.
Fife, WA 98424
(206) 922-7000

DAYS INN

3021 Pacific Highway E.
Fife, WA 98424
(206) 922-3500

ECONOLODGE

3518 Pacific Highway E.
Fife, WA 98424
(206) 922-0550

EXECUTIVE INN

5700 Pacific Highway E.
Fife, WA 98424
(206) 822-0080

GOLDEN RULE MOTEL

6814 Pacific Highway E.
Fife, WA 98424
(206) 922-5828

ROYAL COACHMAN INN

5805 Pacific Highway E.
Fife, WA 98424
(206) 922-2500

THINGS TO DO AND SEE

The **WASHINGTON STATE HISTORICAL SOCIETY MUSEUM**, maintains the largest collection of pioneer, Indian, and Alaskan exhibits on the Pacific Coast. 593-2830. The museum is situated in the **STADIUM HISTORICAL DISTRICT**, a residential neighborhood which includes many stately Victorian homes. The District's namesake, **STADIUM HIGH SCHOOL**, is undoubtedly the most picturesque in the Pacific Northwest.

The **TACOMA ART MUSEUM** has an impressive permanent collection of art representing a wide range of artists and media. See the sculptured glass exhibition by internationally-known Tacoma artist, Dale Chihuly. There is also a design center, art library, gift shop and children's gallery. 272-4258.

Located in the warehouse district on Pacific Avenue, **UNION STATION** an heirloom from the golden age of railroads, built as the western terminus for the transcontinental railroad, is one of Tacoma's most cherished architectural wonders.

HISTORIC FORT NISQUALLY is a restoration of a Hudson's Bay trading post depicting the Fort's development circa 1854. This full-scale historic site illustrated the early exploration and fur trade era of Washington state history. 691-5339.

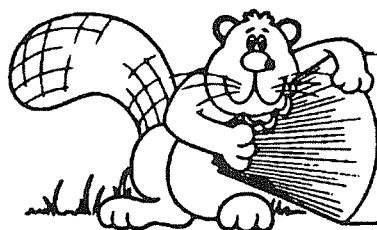
CAMP 6 is a unique outdoor museum, depicting the history of steam logging. Operating logging railroad equipment is a featured attraction. Genuine bunkhouses are utilized for educational displays of historic logging methods, as well as artifacts from the everyday life around old logging camps. 752-0047.

The **TACOMA NARROWS BRIDGE** is the fifth largest suspension bridge in the world. The original bridge dubbed "Gallop'n' Gertie" due to its undulating motion in windy weather -- collapsed in a wind storm within four months after its completion in 1940. The current structure spans 5,979 feet and was completed in 1950.

The **PUGET SOUND MARINERS' MUSEUM** in Gig Harbor features an astonishing myriad of marine artifacts, information, insight, humor and memorabilia, all of a nautical significance. 858-SALT

The **FORT LEWIS MILITARY MUSEUM** features Northwest military history from the Lewis and Clark expedition in 1803 to present day. 967-7206.

Discover the fun of **NORTHWEST TREK**, native North American animals on over 600 acres. Guided one-hour tram tour, walk-through area with cats, wolves, birds of prey and more. 832-6227.



**PLENTY OF CAMPING AVAILABLE
AT THE CONFERENCE SITE.**



N.W.B.A. 15TH ANNIVERSARY DEMONSTRATORS

<u>Demonstrator</u>	<u>Type of Demonstration</u>
BEN ATHERLY	Fly press (Folks, please bring flies)
PHIL BALDWIN	Hot forging non ferrous metals
AL BART	Horse shoe lock and hobbles
DAVE BRANDON	Scrolls and commentary - artist sharing vs design theft
GENE CHAPMAN	Mountainman folders and everything I don't know!
BARNEY COSKI	Barney's surprise??
JERRY CULBERSON	New kind of box jaw tongs
HUGH EDDY	Woodworking chisels
JOE ELLIOT	Joinery
NAHUM HERSOM	Reposse - rosette
JOHN LOEFFLER	Animal Heads
STEVE LOPES	Door handle and exterior finishes
DANIEL MOORE	Reposse - sun flower
GRANT SARVER	Upset 50' of 1" square bar and forge a double bick anvil
JACK SLACK	Building a subterranean blacksmith shop
BERKLEY TACK	Decorative forging
MATTHEW TILTON	Candle sconce
DAVE THOMPSON	Pipe and tubing forging

At press time several blacksmiths had not yet responded with their demonstration topic, thus the above list is subject to change.

Included in the demo schedule is a symposium on the role of the blacksmith in the 90's, a primitive forging contest and the long awaited soapstone holder contest!

GALLERY

A gallery will be set up for your speciality in forged iron. Bring your best and show it off!!
The N.W.B.A. archival iron will also be displayed.

SOAPSTONE CONTEST

Barney and Grant have put up \$50.00 each for a soapstone holder contest. No bribery please! (The judges let it slip that they like home baked pie!)

TAILGATERS

Tailgate sales are encouraged, haggling, whining, sniveling and trading are also part of the game.

POTLUCK

Bring your favorite if you can, if not the ladies will collect your \$\$\$ and purchase goodies at the local deli. Main course: ROAST BEAST!

AUCTION ITEM

Please bring something special for the 15th anniversary auction. This helps pay for the cost of the Hot Iron News and seed money for conferences.

Fifteen Anniversary DEMONSTRATOR SCHEDULE

THURSDAY

TIME OF DEMO	STATION 1 NAME OF SMITH	STATION 2 NAME OF SMITH	STATION 3 NAME OF SMITH
1:00 - 3:00 3:00 - 5:00	DANIEL MOORE BARNEY COSKI	GRANT SARVER MATTHEW TILTON	

FRIDAY

TIME OF DEMO	STATION 1 NAME OF SMITH	STATION 2 NAME OF SMITH	STATION 3 NAME OF SMITH
9:00 - 11:00 1:00 - 3:00 3:00 - 5:00 EVENING	DANIEL MOORE AL BART JOE ELLIOT (PRIMITIVE FORGING CONTEST)	JACK SLACK BEN ATHERLY NAHUM HERSOM	GENE CHAPMAN

SATURDAY

TIME OF DEMO	STATION 1 NAME OF SMITH	STATION 2 NAME OF SMITH	STATION 3 NAME OF SMITH
9:00 - 11:00 1:00 - 3:00 3:00 - 5:00	HUGH EDDY STEVE LOPES JOHN LOEFFLER	PHIL BALDWIN DAVE THOMPSON PANEL DISCUSSION	RUSS MAUGANS DAVE BRANDON

SUNDAY

TIME OF DEMO	STATION 1 NAME OF SMITH	STATION 2 NAME OF SMITH	STATION 3 NAME OF SMITH
1:00 - 3:00	JERRY CULBERSON	BERKLEY TACK	

19 known demonstrators

Primitive Forging Contest

**Panel Discussion by Japh Howard, Steve Lopes,
Jim Garrett, Hugh Eddy**

Fall 1994





BLACKSMITH

Conference Demonstrators

(listed in alphabetical order)

PROFILES

DEMONSTRATOR: Ben Atherley
HOMETOWN: Kettle Falls, WA
NAME OF FORGE: Kettle Forge
BLACKSMITHING: 10 years
SPECIALTY: Trinkets
SUBJECT OF DEMONSTRATION: Fly Press . . . hands-on with audience

**BEN
ATHERLEY**

DEMONSTRATOR: Phillip Baldwin
HOMETOWN: Snohomish, WA
NAME OF FORGE: Shining Wave Metals
BLACKSMITHING: 27 years
SPECIALTY: Knifemaking
PROJECT PROUD OF: Design for street furniture on Pennsylvania Avenue in Washington, D.C.

SUBJECT OF DEMONSTRATION: Hot forging non-ferrous metals and anything else I can rustle up!

**PHILLIP
BALDWIN**

DEMONSTRATOR: Al Bart
HOMETOWN: Yreka, CA
BLACKSMITHING: 49 years
SPECIALTY: General repair, fabricating
and agriculture

PROJECT PROUD OF: Staying alive!

SUBJECT OF DEMONSTRATION: Horse shoe lock, hobbles, and if time permits a traditional tomahawk.

**AL
BART**

Conference Demonstrators (continued)

DEMONSTRATOR: Dave Brandon
HOMETOWN: Stevensville, MT
NAME OF FORGE: Pa and Ma Blacksmithing
BLACKSMITHING: 14 years
SPECIALTY: Custom weather vanes
PROJECT PROUD OF: Cat tail floor lamp
SUBJECT OF DEMONSTRATION: Small everyday hooks and scroll ends with commentary on Artist's Sharing vs Theft of Design.

**Dave
Brandon**

DEMONSTRATOR: Gene Chapman
HOMETOWN: Kingston, WA
NAME OF FORGE: One of a kind -
No Two Alike Forge
BLACKSMITHING: 13 years
SPECIALTY: Old style knives
PROJECT PROUD OF: Mountainman folders
SUBJECT OF DEMONSTRATION: Mountainman folders and everything
I don't know!

**Gene
Chapman**

DEMONSTRATOR: Barney Coski
HOMETOWN: Tacoma, WA
NAME OF FORGE: Apex Tool and Forge
BLACKSMITHING: More years than most
of us have lived!
SPECIALTY: Industrial Forge Work
PROJECT PROUD OF: Coski Tip (replaceable tip breaker bit)
SUBJECT OF DEMONSTRATION: Barney's Surprise

**Barney
Coski**

DEMONSTRATOR: Jerry Culberson
HOMETOWN: Allyn, WA
NAME OF FORGE: Old Cedar Forge
BLACKSMITHING: 14 years
SPECIALTY: General Blacksmithing
PROJECT PROUD OF: Wine Cellar Gates
SUBJECT OF DEMONSTRATION: New kind of box jaw tongs.

**Jerry
Culberson**

Conference Demonstrators (continued)

DEMONSTRATOR: Hugh Eddy
HOMETOWN: Caldwell, ID
BLACKSMITHING: 15 years
SPECIALTY: Woodworking tools and
bladesmithing

**Hugh
Eddy**

SUBJECT OF DEMONSTRATION: Woodworking chisels

DEMONSTRATOR: Joe Elliot
HOMETOWN: Redmond, OR
NAME OF FORGE: Dry Canyon Forge
BLACKSMITHING: 7 years
SPECIALTY: Heat and Beat
PROJECT PROUD OF: Architectural Iron
SUBJECT OF DEMONSTRATION: Joinery

**Joe
Elliot**

DEMONSTRATOR: Nahum G. Hersom
HOMETOWN: Boise, ID
NAME OF FORGE: Golden Pheasant Art Metal
BLACKSMITHING: 47 years
SPECIALTY: French Repousse, tools and smaller objects
SUBJECT OF DEMONSTRATION: Repousse rosette

**Nahum
Hersom**

DEMONSTRATOR: John E. Loeffler
HOMETOWN: Leavenworth, WA
NAME OF FORGE: New Blue Moon Studio
BLACKSMITHING: 8 years
SPECIALTY: Anything and everything
PROJECT PROUD OF: A hand forged fireplace door set with matching
fireplace tools.
SUBJECT OF DEMONSTRATION: Animal heads

**John
Loeffler**

Conference Demonstrators (continued)

DEMONSTRATOR: Steve Lopes
HOMETOWN: Pt. Townsend, WA
NAME OF FORGE: Pt. Townsend Forge
BLACKSMITHING: 16 years
SPECIALTY: Door hardware, railings,
fire screens, lighting

**Steve
Lopes**

PROJECT PROUD OF: Washington State Historical Society for
restoration of a "Beaux Artes" style home.

SUBJECT OF DEMONSTRATION: Door handle or knob. Will also talk about
finishes for exterior work.

DEMONSTRATOR: Russ Maugans
HOMETOWN: Freeland, WA
NAME OF FORGE: Captains Forge
BLACKSMITHING: 34 years
SPECIALTY: Restorations

**Russ
Maugans**

PROJECT PROUD OF: Restoration work on Timberline Lodge

SUBJECT OF DEMONSTRATION: Fireplace screen

DEMONSTRATOR: Dan'l Moore
HOMETOWN: Kila, MT
NAME OF FORGE: Coon Hollow Forge
BLACKSMITHING: 12 years
SPECIALTY: Whatever anyone wants and able to pay for!

**Dan'l
Moore**

PROJECT PROUD OF: Outside lamp post with sunflower sculpture

SUBJECT OF DEMONSTRATION: Repousee techniques used in making sun-
flowers. Also chisel and chasing of animal forms - bison.

DEMONSTRATOR: Grant Sarver
HOMETOWN: Tacoma, WA
NAME OF FORGE: Apex Forge and Tool
BLACKSMITHING: 20 years
SPECIALTY: Industrial forging

**Grant
Sarver**

SUBJECT OF DEMONSTRATION: Upset 50' of 1" square bar and forge a
double bick anvil.

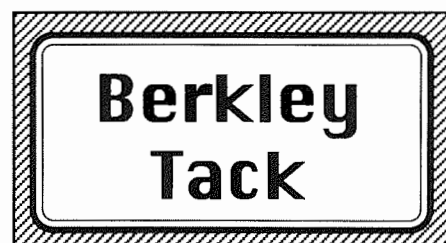
Conference Demonstrators

(continued)

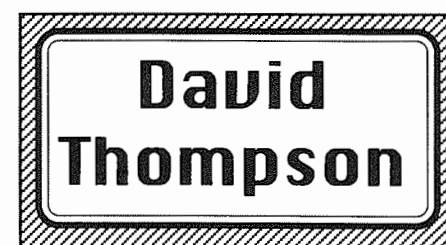
DEMONSTRATOR: Jack Slack
 HOMETOWN: Seattle, WA
 NAME OF FORGE: Not allowed to say!
 BLACKSMITHING: I'm not done yet
 SPECIALTY: It must be art, it doesn't do anything.
 PROJECT PROUD OF: Not hitting myself with a hammer
 for, oh, several days now.
 SUBJECT OF DEMONSTRATION: Building a subterranean blacksmith shop



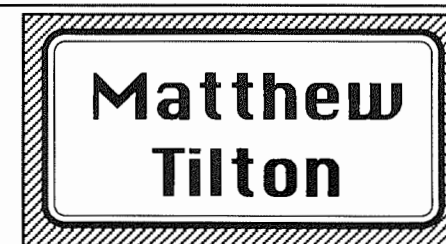
DEMONSTRATOR: Berkley Tack
 HOMETOWN: Rainier, OR
 NAME OF FORGE: Berkley Tack Blacksmith
 BLACKSMITHING: 14 years
 SPECIALTY: Architectural ironwork &
 light industrial forging
 PROJECT PROUD OF: Parts of certain projects, nothing major yet.
 SUBJECT OF DEMONSTRATION: Decorative forging



DEMONSTRATOR: David Thompson
 HOMETOWN: Eugene, OR
 NAME OF FORGE: David Thompson
 Sculptor of Steel
 BLACKSMITHING: 15 years
 SPECIALTY: Excellency
 PROJECT PROUD OF: Too many to mention!
 More recently Ellis Elizabeth, 7lbs 4 oz.
 SUBJECT OF DEMONSTRATION: Pipe and tubing forging, tips and techniques.



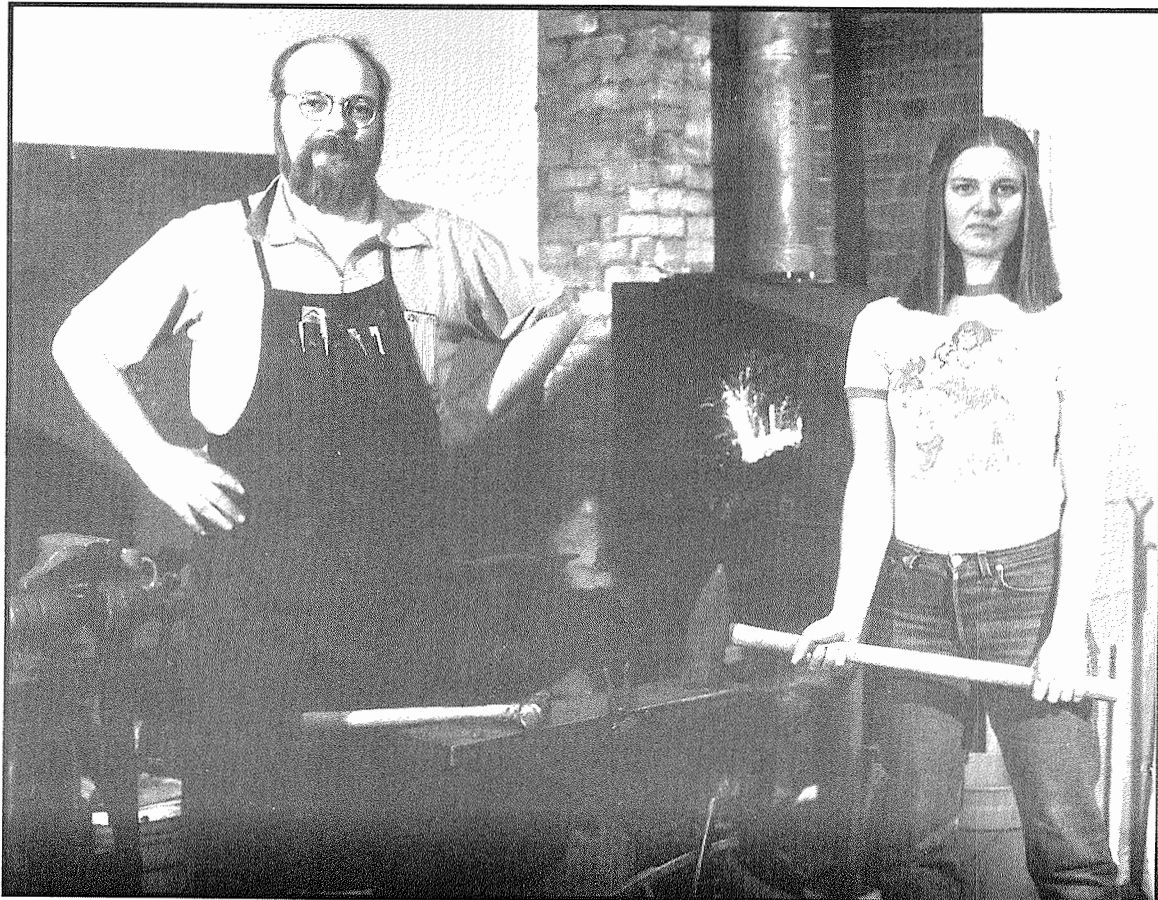
DEMONSTRATOR: Matthew Tilton
 HOMETOWN: Seattle, WA
 NAME OF FORGE: PAFF
 BLACKSMITHING: 4 years
 SPECIALTY: Furnishings, hardware
 PROJECT PROUD OF: Currently filling a restaurant with ironwork
 SUBJECT OF DEMONSTRATION: A candle sconce



We really haven't changed much since then; we got pretty good at organizing Conferences (then, as now, twice a year), holding Workshops aimed at all different skill levels, holding Open Forges at member's shops, publishing what has now become the dandiest Newsletter around, and organizing group purchases of tools and icky black stuff (coal, that is, for all you newcomers suffering from Gas).

As I wrote this, I was struck by the urge to name names, but I'm glad I managed to avoid the impulse, for I realize that for every name I mention, there'd be three I'd leave out. Besides, the NWBA has never been about individuals as much as it's been about Blacksmithing. The purpose of the group, then as now, was to get together to learn and to teach, to share in our love for and fascination with the Art of Blacksmithing: that's the real story behind fifteen years of the NWBA.

Now it's time to look forward to the next 15 years. If you're an Old Hand, there's always somebody who hasn't seen your favorite trick. If you're a Novice, we'd all like to share your excitement about the latest thing you've just discovered. Above all, attend the meetings and pitch in; everything this group was and has become is due to the folks who volunteered their time, energy, and experience for the benefit of all of us.



Fall 1994

Jack Slack and Deb Stenoien at The Blacksmith Shop in Pioneer Square (early 80's)

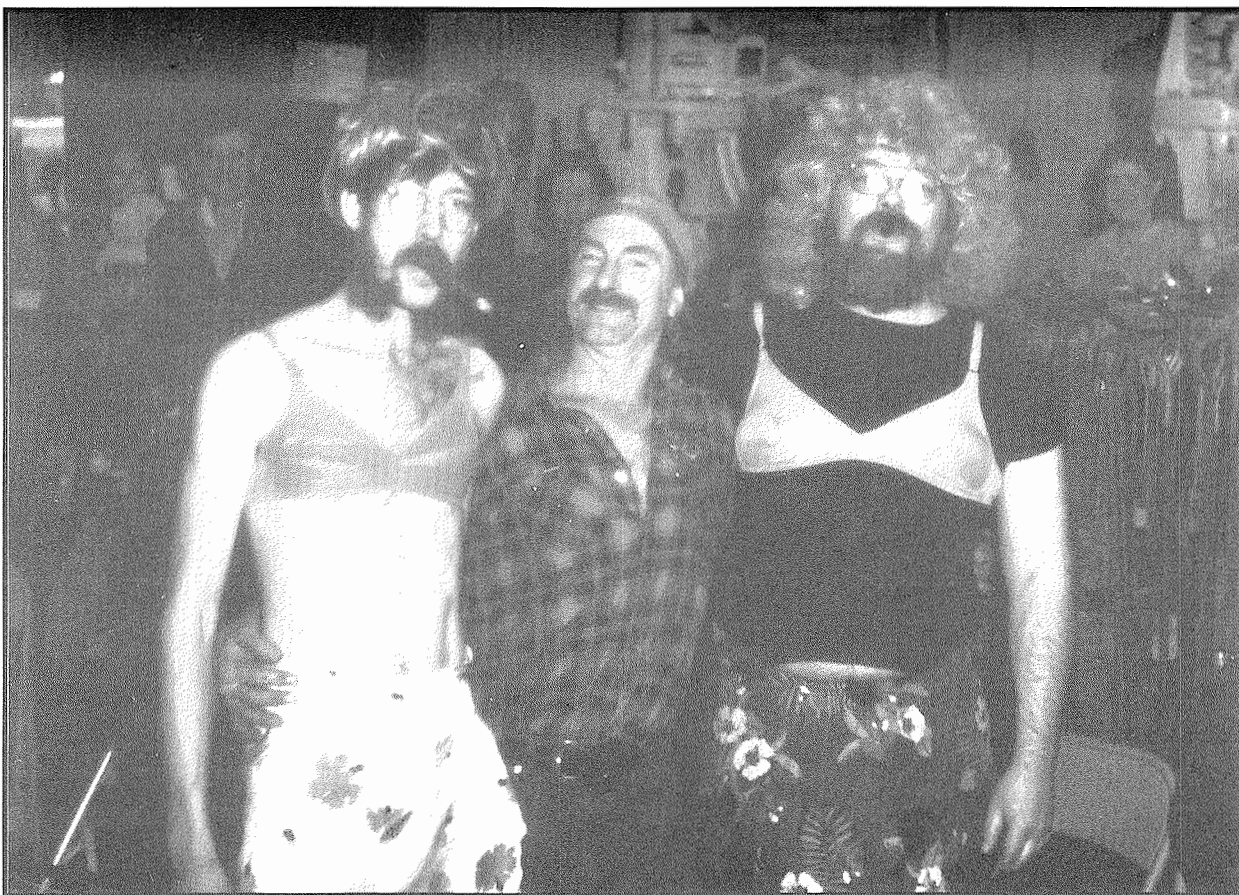


MEMBERSHIP ROSTER - APRIL 1980

Bob Baxter
Ike Bay
John Bay
Clyde Caldwell
Terry Carson
Howard Dunham
Richard Fackler
Fred Fisher
Thomas O. Funk
Hank Greenwald
Sandy Hawes
Edward Hoem
Fred W. Holder

Liz Howell
Dwight W. Irish
Andy Juell
Robert W. Keeler
Bruce McConnell
Russell M. Maugans
William A. Morrell
Dean Mook
Richard Parkin
Miachel H. Piatt
Charles E. Powell
Harry A. Robinson
Steve Roecker

George Rostad
John Ronnau
Grant Sarver
William G. Savard
Elias Schultz
Fred Schultz
Karen Sjostrom
Jack Slack
Jess Spromberg
Corky Storer
Howard Swanson
David Thompson
Dan Tower
Francis Whitaker





Blacksmith's Ladies

Question: How many quilt blocks can you get from a membership of 300+ N.W.B.A. blacksmiths?

Answer: Not enough without a lot of effort from the N.W.B.A. ladies!

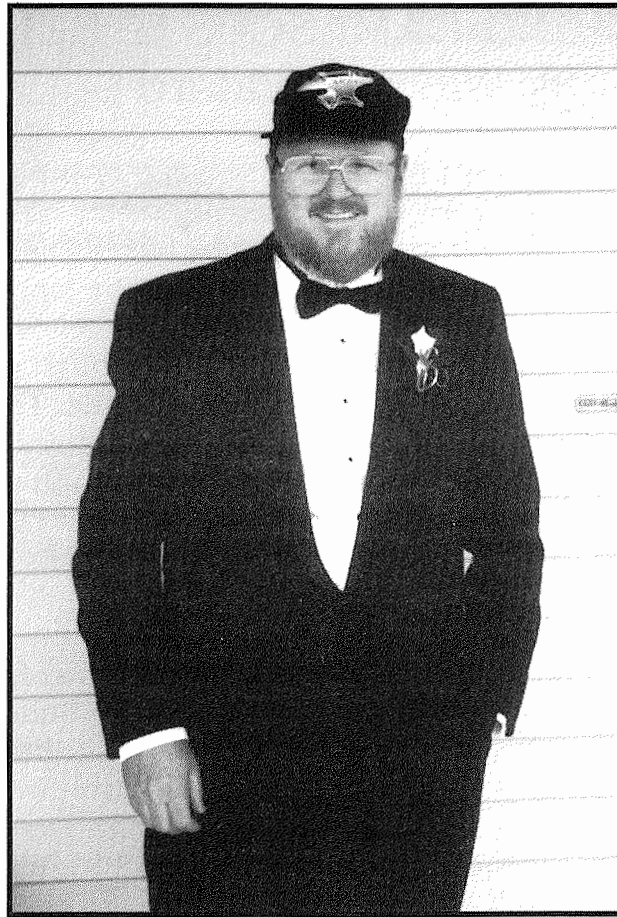
The Commemorative Quilt for the 15th N.W.B.A. anniversary has come together, thanks to a great deal of effort from Ina Culberson. The ladies had asked members to participate in this quilt by submitting either a fabric block or a drawing. The requirement was that it be 12.5 inches square. It was amazing to receive the items and you would not believe how many sizes 12.5 inches comes in! This presented a real challenge for assembling, which required even more creativity.

Ina has spent many hours urging members to participate, gathering the blocks, designing and then assembling what the ladies feel is a work of art. The quilt was assembled with 32 12 inch blocks with four additional blocks comprising the center. Measuring 85" square, the quilt captures some the N.W.B.A.'s past 15 years history and is a tribute to its members. Rather than give any additional information, the ladies wish to have it remain a surprise.

The quilt was quilted the weekend of August 20 when the ladies gathered in St. Helens, Oregon for an old fashioned quilting bee. Though small in number, the enthusiasm for the project and lively conversation enabled the ladies to complete their task and go out to dinner as well. Quilters were Betty Hedglin, Vernell Henderson, Phyllis Tice and Ina Culberson. Ina will bind the quilt and add the finishing touches. Look for it on display at the Fall Conference. The ladies are already planning a quilt for the 20th anniversary.



WHATSIT??



This apparition was spotted in beautiful downtown Poulsbo in late July. The only two identifying marks were a scruffy beard and, much to everyone's surprise, an N.W.B.A. ball cap! Could it be this debonair gentleman is impersonating a blacksmith? Did he pick up the hat at a garage sale? Size of the photo didn't give us an opportunity to check out the fingernails!

Be sure to contact your editors to help identify this most remarkable, and pretty darn handsome, **WHATSIT!**

- ☐ Yes, I saw him in the Ruptured Duck in Poulsbo!
- ☐ I actually sold him the hat!
- ☐ Yea, I think he went first grade with me???
- ☐ He's a phony and doesn't belong in this publication!
- ☐ Is that the guy who shod my horse last spring?
- ☐ Check his pockets for multiple pocket knives.
- ☐ Is he married???

Bladesmith's Corner

ETCHING DAMASCUS STEEL

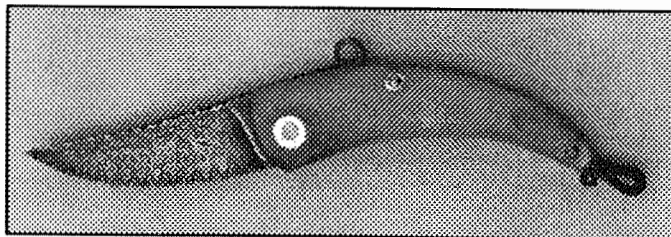
by Wayne Goddard

I see a lot of damascus steel that is not finished to bring out the ultimate beauty that is in the steel. I get a lot of compliments on my blades, and I feel it is because of the etching process that makes them look better than some others. The etching process is time consuming and can actually take longer than the forge-welding. I feel it is important to give the blade its best possible etch. The blade will have to be flat and free of scratches. If there are any rough grinding marks or ripples left in the blade they will show up in the finished blade. I use a 400 grit hand rubbed finish to go into the first etch with. The etchant is very important, if too strong it will cut the whole blade down and not give much delineation in the pattern. A slow etch will almost always give a better pattern. I get the best results by etching several times, and hand rubbing with 1200 grit paper in-between etches.

I used an acid etch for my very first blades, but, once I tried ferric chloride I liked it so much that I have not tried anything else. Radio Shack stores sell ferric chloride in a 16 oz bottle that says "ARCHER ETCHANT". The contents of the bottle should be mixed with three to four parts of water. In warm weather I get a good etch without heating the etch solution. In the winter time when the shop temperature is around 60°, I heat the etch bath to 80 to 90°. When heated it gives a slightly different etch, you will want to experiment to get results you are happy with. Some blades will not have as much contrast as others, these can be blued with a cold bluing solution which will make the pattern more visible. I do not like the look of a buffed damascus blade. I use hand rubbing all the way through, the final finish is done with 1500 grit paper. Buffing breaks down the pattern and gives a totally different appearance to the blade.

I have been experimenting with hot-water, interrupted, quenching. The blade is quenched in water that is heated to 180°F. Instead of holding the blade in the water until it is completely quenched, it is plunged in, pulled right out, in, out, in and out until about 12 to 14 seconds have elapsed. Blades given this treatment come out harder than when quenched in oil. They also show a different pattern, and may require a higher draw temperature in order to have sufficient toughness.

That is everything worthwhile that I have learned about this remarkable material. I hope you enjoy working with it and share the knowledge gained with others.



Damascus folding
knife by
Wayne Goddard



Artist-Blacksmiths' Association of North America



P.O. Box 1181, Nashville, Indiana 47448
Executive Secretary, Janelle Gilbert Franklin

Office Hours: 9:00am - 5:00pm
Phone: (812) 988-6919

ABANA PRESIDENT'S MESSAGE

August, 1994

Dear ABANA Chapters,

Sometimes it might seem as if we go along for quite a while with "nothing going on." That feeling may have been helped along by the fact that we didn't send anything out through the monthly ABANA Chapter Mailing System last month. We were all focused on the 1994 ABANA Conference. I hope that 30 day lapse didn't cause distress for any of you!

The June biennial conference in Saint Louis set a few records -- it was certainly the largest conference in ABANA's history, and may very well have been the largest gathering of blacksmiths ever assembled anywhere in the world, ever. It is safe to say that the conference was a success. Hat's off to the hosting Chapter, the Blacksmiths Association of Missouri, for their outstanding effort in the preparation and execution of the event. The conference finances have not all been settled as of the time of this writing, but we do have enough information in to say that the conference can be considered a financial success as well. Certainly, the next conference in Alfred, New York will have its work cut out for it in trying to meet or exceed some of the benchmarks established at the Saint Louis conference.

Another notable feature of the recent conference is that there were 12 countries represented. 12 countries? That's right folks, we are making waves that are felt around the world. Actually, we have a respectable number of foreign members in ABANA, including one chapter in Australia. The fact is that we are the largest blacksmithing organization on the planet, and growing at a fairly brisk pace. So although ABANA started right here in North America, it is possible that one day you will see not only ABANA members, but ABANA Chapters all around the world. I can't think of greater proof that the art and craft of blacksmithing knows no boundaries.

You all know that I include a safety message in just about every letter I send out. I have ranted and raved about eye and ear protection, tool safety, fire protection, proper clothing, housekeeping, and numerous other subjects. But with a good hot summer in full swing, I think it is time to remind ourselves about ourselves. Our "thermostats" are set fairly low, and this is the kind of weather that can overheat you in a hurry. Remember to drink plenty of fluids, preferably some with electrolytes; and don't be shy about taking a breather when you feel yourself getting overheated.

Warm Regards,

Clayton Carr
ABANA President



Armchair Blacksmithing

New Edge of the Anvil

a resource book for the blacksmith

Written and Illustrated by

Jack Andrews

ISBN 1-879535-09-2

SkipJack Press Inc.

"New Edge of the Anvil" is a complete revised version of this popular book to be published in the fall of 1994. First published in 1977, this book has sold 55,000 copies. It remains a perennial favorite for beginner and practicing metalworker. This book is a tool. A blacksmith's tool. It is a source of information on how metal is worked. "New Edge of the Anvil" is neither a nostalgia book nor a compilation of metalworks. It is the basic book on the tools of blacksmithing, the materials of blacksmithing and the processes of blacksmithing. It tells how to set up a forge, equip it with tools, and stock it with materials. It tells how to work metal: heating it, cutting it, upsetting it, drawing it out, twisting it, shaping and assembling it. A must for libraries and anyone starting to learn blacksmithing.

All this work of the blacksmith is revealed and explained in the author's blunt, clear and concise prose and in his exquisite illustrations. The instructions are detailed and, because the author-illustrator is a working smith, they are accurate. Each of the trade's tools—anvil, hammer, forge, tongs, hardies, drifts, chisels, fullers, punches, swages, and flatters—is described, its uses and varieties depicted. Characteristics of the smith's materials, irons and steels are explained. Each fundamental process—cutting, upsetting, drawing out, and others—is detailed in words and in a series of step-by-step drawings. The drawings and text are carefully integrated, so the appropriate illustrations and words are side by side. As the processes are explained, as the reader progresses, exercises of increasing difficulty are proposed, each yielding some useful product: a poker, hinges, a spoon. Appendices include basic reference information: schools, shop management, metal finishes and corrosion, metallurgy and tool making. Charts list the colors of steel heated to various critical forging and tempering temperatures.

Providing a closing inspiration for every blacksmith, novice and veteran alike, is an album of photos of the work of the late Samuel Yellin, a renowned Philadelphia blacksmith. New to this edition are a series of wrought iron work of contemporary metalworkers to inspire the novice smith.

"New Edge of the Anvil" is a tool. It should be carried from study to smithy and kept handy for impromptu reference as a skill develops, as a project takes form. It is truly a resource book for every blacksmith. It retails for \$24.95; ISBN 1-879535-09-2

The Author:

Jack Andrews, a graduate of Pratt Institute, taught industrial design blacksmithing at the University of the Arts from 1968 to 1994. He is a self-taught blacksmith and was the chief designer, 1985-1991 at the Yellin shop in Philadelphia. "New Edge of the Anvil" is now being reprinted in a completely revised version by SkipJack Press. He has also written "Samuel Yellin, Metalworker," the definitive monograph on the wrought iron work of America's greatest blacksmith, also published by SkipJack Press.

SkipJack Press, Inc., 637 Drexel Avenue, Drexel Hill, PA 19026, 610 284-7693

Fall 1994



CLASSIFIED ADS

CLASSES: Rob Gunters Blacksmithing Classes:

The Forgery
School of Blacksmithing
13 Imnaha Rd.
Tigeras, N.M. 87059
(505) 281-8080

FOR SALE: Blacksmith Shop and Tools - 265# Peter Wright Anvil - a small anvil - top and bottom tools - tong - hammers - etc. -- Clifford Johnson (206) 484-3154, HCR 78, Box 610, Nasell, WA 98638.

FOR SALE: Crushing equipment, machine tools, pumps and electric motors. Coski-Pacific Forge & Tool, Inc. (206) 927-0362.

FOR SALE: 250# Little Giant \$1350, 7.5 hp, I think! Extra dies and die blocks. Contact Jerry Culberson (206) 275-6765.

FOR SALE: Peat bog -- just wait a while and its coal! Smedley Soapstone, The Tong Works, Poulsbo, WA.

FOR SALE: Collapsable U.S. Cavalry coal forge and good coal. Russ Maugans (206) 321-5611.

FOR SALE - Miller Thunderbolt Welder 225AMP - CC-AC-ARC 50" ground and 75" stinger lead - \$350 Chad Heiserman (206) 668-4908.

LASER CUT PARTS: For a detailed brochure, and a sample from the shop floor, send a dollar (refunded with your first order) to: Bob Bigelo, Rt. 1, Box 380-H, Espanola, NM 87532. One part, or one thousand, we can handle it.

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Does anyone have an information on tools that doctors & dentists used back during the early 1900's and before. What did the "Blacksmiths" make for them or did they?? Any facts, articles or direction is appreciated!! Contact: Jim "NANOOK" Hutto, Anvil Hut, 4211 S. Sinclair, Flagstaff, AZ 86001.

TOOLS: Timbercove Trading Company, blacksmithing tools. For free price list: 121 H Street, Petaluma, CA 94920, (707) 778-8261. These tools were on display at the Spring Conference and were fine quality. Editor

Limited Amount of New Mexico smithing coal available. \$280 per ton. \$16 per 100 lbs. Contact Corkey Storer at Heritage Forge, (206) 432-1468 Seattle area.

VIDEO: "The Wire Damascus Hunting Knife, How to Do It", by Wayne Goddard (124 minute), \$50 post paid to Wayne Goddard, 473 Durham Ave., Eugene, OR 97404.

HAVE YOU PAID YOUR MEMBERSHIP DUES? LOOK ON YOUR MAILING LABEL, IF IT HAS EXPIRED OR IS CLOSE TO EXPIRING, PLEASE SEND YOUR DUES (\$20 -- \$24 out of country) TO OUR TREASURER, P.O. BOX 81041, SEATTLE, WA 98108. DUES ARE WHAT MAKE THIS NEWSLETTER AND OTHER MAILINGS, EVENTS, ETC. POSSIBLE. THANKS.

"WHATSITS" WANTED:

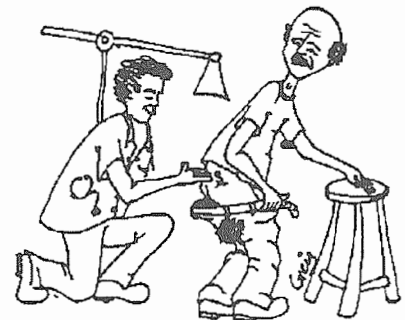
My "whatsits" collection is dwindling. Please send photos, drawings, etc. with description for "whatsit" page.

Hot Iron News
P.O. Box 1038
Kingston, WA 98346

Gene Chapman, editor

SHOP TIPS

If you want something new made out of carbon steel to have that older look of dark grey metal, here is a cheap easy way to accomplish such a finish. First brew up a very strong pot of hot tea. (I use Lipton.) After you have completed the forging of your object it will need to be cleaned of all slag and oxide. Grind, file, sand, or otherwise clean the metal until it is shiny. Then drop the piece of metal into the brew of tea and leave overnight. The next day, remove the object and rub off the black sludge with rag or paper towels. Underneath the black will be a nice grey patina of old steel. For variation, you can experiment with kitchen goods such as pepper sauce and lemon for different results. This tip from Virgil Vines was reprinted from the May '94 issue of the North Texas Blacksmith Association's The Bellows Blast.



"Well, Doctor, first I made this great branding iron, then I looked it into my post-vise, then I sort of backed into it!"

