

Hot Iron News



A publication of the Northwest Blacksmith Association Third Quarter, 2006



Blade by Japanese bladesmith and Fall
Conference Demonstrator Ashi Hiroshi

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Welcome new and renewing members

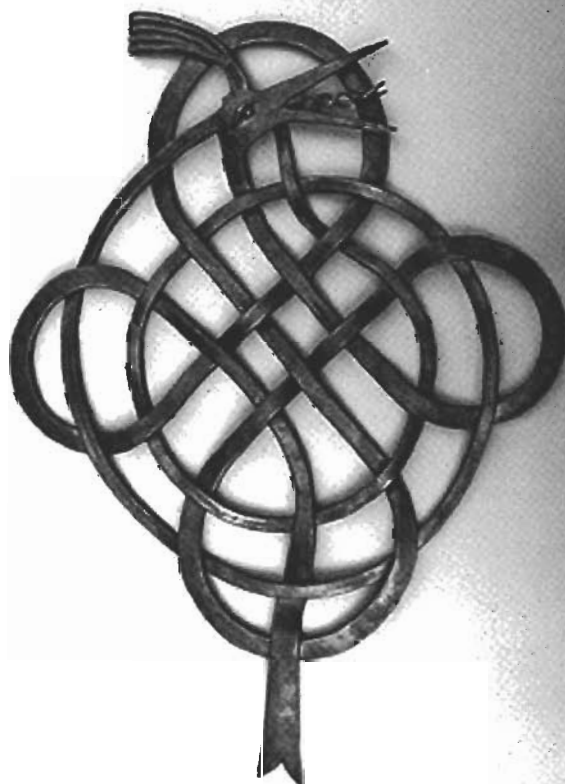
New Members

Bjorn Chambers
 Michael Clement
 Xander Lee Graham
 Steve T Johnson
 Gary LaFountain
 Quinn J Murk
 Martin Paietta
 P J Philip
 Richard Thornton

Renewals

Ethan Benatan
 Karl K Christoffers
 Dean Mook

Celtic Wall Hanging, Jeff Holtby, page 37



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Standing Committees:

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Chair: Kris Ketchum

Roster/Mailing List Manager: Al Karg
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Finance and Budget: Ken Williams, Chair: Dick
Naven

Member Services: Tim Middaugh, Chair: Mike Neely

Events and Programs: Clyde Caldwell, Chair:
Renato Muskovic

Subcommittees (to date):

Fall Conference 2006: Arnon Kartmazov, Joe Elliott

Spring Conference 2007: Terry Carson

Grants: Kris Ketchum

Library: Mike Neely, 360-513-1355

Workshops/Education: Tim Middaugh

Trailers/Storage: Ken Williams

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Archives: Jack Slack, anvil@nwlinc.com

Website/Webmaster: Darrell Gehlsen,
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NOTE TO ALL NWBA MEMBERS:

All Committees are in need of and welcome
committee members. Contact any board member to
get involved and get more out of your organization.

NWBA Website at www.blacksmith.org

Darrell Gehlsen, Webmaster

For NWBA correspondence or membership write to:

Northwest Blacksmith Association

8002 N.E. Highway 99, #405

Vancouver, WA 98665

Annual Dues: \$40,

(foreign, \$45), and include a quarterly
subscription to the *Hot Iron News*.

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MEETING ANNOUNCEMENTS

Board Meeting Friday, October 13, at 5:00
p.m. at Fall Conference, St. Helens, OR.

General Membership Meeting Saturday,
October 14, at the Fall Conference following the
dinner hour and before the auction

"The NWBA logo, with the hammer poised above the anvil and the accompanying NWBA acronym, is a Service Mark of the Northwest Blacksmith Association, and is reserved solely for the use of the NWBA, except that anyone may use it to advertise or promote the events, publications, or mission of the NWBA, which is Education in Blacksmithing and Related Metalcrafts."

Carson's Comments

A message from the president

Dear Northwest Blacksmith Association Members

NWBA had its summer board of directors meeting on July 22 just outside Eatonville.

Special thanks to Tod Johnson, who was willing to act as our scribe, and to Jack Slack for his input and archives report.

Here are the recent changes in the board: Mark Eschbach has stepped down as board member because of his other time constraints, and Clyde Caldwell has agreed to fill in until the end of the year. Clyde is now the chair of the Events and Programs Committee.

Our Fall Conference is in St. Helens, Oregon, and Arnon Kartmazov and friends have a great show scheduled. For those interested in heat treatment, bladesmithing and laminate tools from Japanese smith Ashai-san this will be the conference not to miss. Also, the special artistic talent of our own Patrick Maher will be demonstrated.

The Spring Conference 2007 will be in the popular King County Fairgrounds in Enumclaw with Paul Casey as our local demonstrator and an out-of-area demonstrator to be determined. If you live in the area and would like to assist, please give me a call.

Moving along to Fall Conference 2007 board members Tim Middaugh and Mike Neeley have it well organized at this point. It will be in Stevenson, Washington, on the scenic Columbia River Gorge. Their theme is "Home Grown."

Elections are coming up with four board positions to be voted upon. Please be prepared to nominate your candidate at the Fall Conference general meeting. I will not seek another term, but will help host the Spring



Conference. Your support in these last few years has been wonderful.

The ABANA Conference appeared to be a success, and I enjoyed myself keeping in contact with old friends and having the chance to meet new ones. Our friend Russell Jaqua was honored by having the conference dedicated to him and his sculpture, "For Willene," had stage center with Lake Washington as a backdrop. The 2008 ABANA Conference will be in New York.

Thanks to the hard work of Ina Culberson, Dick Naven, Tim Middaugh and others, we now have a conference manual that will make life much easier for those who coordinate conferences in the future. Checklists make life possible here. The next step is to complete our policies and procedures manual, and your input is very welcome.

It's a sad moment to report that long-time NWBA member Roger Olsen, from Methow Valley, passed away on July 15. He will be missed by all who knew him.

Have a safe summer and we'll see you in St. Helens in October.

Terry Carson

Conference manual complete

by Ina Culberson
NWBA Vice President

As I sit down to write to you, the membership, I am excited about several administrative happenings this past quarter.

First, as vice president I am happy to inform you that a giant step has been taken toward the goal of developing a Policies & Procedures (P&P) Manual. The first product: A Manual and Workbook for NWBA Conference Coordinators was presented to the Board on July 22 and was accepted as a working tool.



Update after every conference

This tool is designed for updating after every conference when coordinators provide their challenges, solutions and suggestions. This huge undertaking and resulting document is due to the great skill and attention-to-detail energy of Dick Naven, with some

assistance from Tim Middaugh, Mark Eschbach and me. We think it's darn close to being everything you need to know about running an NWBA Conference.

Workbook already being used

The workbook is already being used by Fall Conference Coordinators Arnon Kartmazov and Joe Elliott, Spring Conference 2007 Coordinator Terry Carson, and Fall Conference 2007 Coordinators Tim Middaugh and Mike Neely. They report that they are grateful for a step-by-step guide with fill-in-the-blanks space, and what a time-saver the workbook is.

The next step is to divide Policies and Procedures into two big chunks - policies, as one; procedures/processes

as another. We will work by department as outlined on the organizational chart, collecting from those with areas of responsibilities, then assembling the pieces and writing everything into a format that makes sense. The goal is to complete this second phase by the January 2007 Board meeting.

Secondly, as Chair of the

Reorganization Restructuring Revitalization

Publications & Communications Committee, which includes the membership roster, I am pleased to announce that the responsibilities of Membership Roster Manager will be transferred from Al Karg to Tod K. Johnson.

Al felt that he had taken the task of membership maintenance as far as he could and recommended that someone be found who could upgrade this task to a relational database status.

Roster will be on website

Al also recommended that the roster then be stored "behind the scenes" on the NWBA website. On July 22 Tod Johnson volunteered to accept this challenge. By the time you receive this issue of the HIN, Al and Tod will have met. They will transfer files and information, and Tod will be on his way to accomplishing the upgrade. Tod also volunteered to write the processes involved for the P&P manual; AND, he is now the scribe for recording minutes at the Board meetings. I can't begin to tell you how excited the entire Board is to have Tod take on these responsibilities.

At the next conference or via e-mail, please take a moment to thank Al Karg for the years of service he has given to the

membership. And, make it a point to meet Tod Johnson and thank him for stepping up to the plate.

That's my big news for this quarter, but there is one more item. My husband Auctioneer Jerry asked that I use my space in this issue to express his concern at the lack of items and the quality of items received for auctions lately. He says, "the contributions are both sparse and lean." And in that familiar voice we all know so well, he adds: "Regardless of skill level, get off your ____ , fire up those forges and make something for the auction. This is your organization, and you should be making a contribution. For incentive, the Board re-established the \$5 off your conference registration for contribution of an auction item. So let's see a good showing of auction items in St. Helens."

Be a conference volunteer

We are in need of men and women conference volunteers to commit to a four-hour shift during the Fall Conference.

Volunteers are needed in the areas of Registration, Merchandise Sales, Silent and Live Auctions, and the Gallery. Give it a try. Shifts are from 8 a.m. to 12 noon, 1 to 5 p.m. and 5 to 8 or 9 p.m. (depending on the day). Lunch hour is noon - 1 p.m. Registration and Sales are closed during that hour. Registration could use three people per shift per day.

One person is needed to receive and record auction items, same shifts as Registration and Sales. Contact Ina Culberson (360-275-6769) or Phyllis Tice (503-397-2820) for more information and to sign up.

The Auctions are broken into Silent and Live. Cashier, recorder, monitor and runner positions are open. Those serving in these positions would work during and following the auction until everyone has paid for their items.

There are many other areas that could use additional manpower as well.

Call Conference Coordinators Arnon Kartmazov (503-804-1524) or Joe Elliott (541-382-2725) to volunteer in the "outdoor" areas at the upcoming Fall Conference. Make a difference in your organization!

Donate four hours of your time! Get involved!

See you in St. Helens, Oregon for what promises to be an outstanding conference!

See you then!



Back Issues!

Hot Iron News

Most previous issues of the *Hot Iron News* are available for purchase, depending on supply.

Contact: Dick Naven, 6802 SW 33rd Place, Portland, OR, 97219, 503-245-3659, dnaven@teleport.com

MEMBERSHIP APPLICATION



Northwest Blacksmith Assc.
8002 NE Hwy 99, #405
Vancouver, WA 98665

Membership Status

- ☐ New
☐ Renewal
☐ New Address

Annual dues are \$40 (\$45 out of USA) and include a quarterly subscription to the **Hot Iron News**. Please make your check payable to **NWBA** and mail to the above address.

Name _____

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City _____ State _____ Zip _____

Phone _____

E-mail Address _____

Calls Vancouver Island his home after a blacksmithing journey that began in England, included Sri Lanka and India

by Jake James

I am a journeyman blacksmith from the English Worshipful Company of Blacksmiths, est. 1325.

The start of my journey into blacksmithing wasn't quite so long ago... I literally stumbled into smithing, aged 21, in the twilight years of the last century ('98). Before my first introduction to the

into the county shows, which run yearly and have an ongoing blacksmithing championship.

After one year at the college I was offered a place to work by Richard Bent, a Master Blacksmith with 30 years of experience and himself three-time champion blacksmith of England.

Everything was done in a charcoal fire, with the benefit of one drill bit and a hand drill for small holes.

I was amazed at his resourcefulness, and his feet. One day he stood on a punched-out slug, only to casually lift up his foot and dig it out of his heel... didn't even flinch! I was not so lucky the next day!!

If any of you feel your shop rate is too low, he replaced an ox plough share for a staggering \$2.

From Sri Lanka I went north through India, spending some time with a silversmith on the west coast, and a week with a Muslim silver inlaying master in central India. Some interesting times there, and the closest I came to a sweat shop on my travels... the silversmiths lived and worked in one room not much more than 8 feet square.

I was planning to hitchhike through Indonesia and check out the scene there, but I was hijacked by some very enthusiastic Canadians who managed to convince me to come here... Vancouver Island... and it proved to be a longer stop than I had anticipated.

Since my arrival, the fates have tried, and succeeded, to keep me here. In between some super friendly people, one fine lady, two great kids, and a big shiny power hammer, I somehow lost the urge to keep travelling... or go back to England!

(continued on page 9)

Carrying forward the tradition of the English Worshipful Company of Blacksmiths, est. 1325

craft I now call my own, I didn't know that blacksmithing was still a living art. From that first hit though, I was hooked.

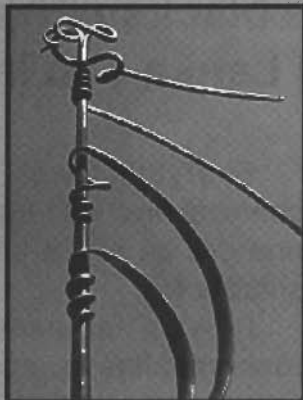
I looked around for an apprenticeship but got no response in my local area — the very western tip of England — so I cut off my dreads, borrowed a clean shirt and headed to Hereford and the technical college there, which runs a series of (excellent) full-time blacksmithing classes.

I did well at the college, passing with distinctions and winning the top student prize for the year, as well as picking up a bunch of prizes for work I entered

I was his sole employee for three years and could not have had a better or more complete education in the craft.

Richard encouraged me as a blacksmith and designer, giving me freedom to use his shop to create a number of smaller pieces during my time with him.

After three years I felt it was time to move on, and headed off on my travels, which started on the tiny island of Sri Lanka. I spent three months living there in a small village in the mountains, forging farm implements from scrap, under the watchful eye of the village smith. He was self taught, and an excellent smith.



The curved leaf, very much in evidence on this bed, is a favorite motif of mine.



"...using scrolls as an excellent space filler in a totally asymmetrical design..."



The frame is assembled with forged 1/2" ball bolts into the ends and gusseted underneath for rigidity.



About a bed that was fun to make, beautiful to look at

This bed was a lot of fun.

I am not a fan of traditional scrollwork, so I decided here to use scrolls as an excellent space filler in a totally asymmetrical design, mixing them up with some very modern organic type forging. The swoop through the headboard is simplified, mirrored and flipped in the footboard, so the whole bed has a good balance to it.

All the scroll work is forged from 5/8" square. I fire welded any joint that was visually important (the

branch welds), then each section was manipulated to fit a drawing and the butt welds done with the wire feed, keeping the whole assembly process a fairly easy to manage affair. I have used a combination of traditional joinery and plug welded joints in the scrollwork, based entirely on what was visually appropriate.

The nature of the design meant many of the joints could not take a mechanical fix.

(continued on next page)



Cycle of birth, rebirth

This alien seed pod series is the development of an idea I have had for quite a while and not had a chance to fully explore... the perils of being a journeyman blacksmith! The series represents a cycle of birth and rebirth, the new pod head rising from the shattered remains of the old. Both technically and visually they blend a number of different styles of forging: some repousse to form the pods themselves; heavy power hammer work for the bases and hand forging; fire welding and manipulation for the organic elements. To finish I have rusted the exterior of the pods and left the organics with a black forge scale, then hot waxed with a paste furniture polish. The pods stand about 20" tall.

Bed

The bed frame is all forged from 2" and 1 1/2" round. The leaves were cut from 1/4" plate, forged and then fire welded onto the posts. The curved leaf very much in evidence on this bed is a favorite motif of mine. I tend not to vein/ornament my leaves, as I find this curved shape so elegant, and it says 'leaf' without having to be too obvious.

The frame is assembled with forged 1/2" ball bolts into the ends, and gusseted underneath for rigidity.

I gave the whole bed a very quick brush with a wire wheel and then hot waxed it.

Vancouver Island Smith, from page 7

My shop has been open now for just shy of a year. I rent a building from an old couple who have become my parents away from home, tucked away on the rural west coast village of Metchosin. The work is going well, jobs coming in as my name gets out there. It is an interesting situation, as there is almost no awareness here about blacksmithing; as far as I know there is no one else on Vancouver Island doing the kind of work I do, so I am almost having to create my market as I go!

Right now I am training up two apprentices, and I have just had a show in a downtown Victoria gallery of my work, with some fairly major pieces in it (including the bed) so we'll see how things go from here. The Vancouver Island Blacksmiths Association is also hosting Caniron next summer, and I am booked in as a demonstrator there, so it's a pretty exciting time for me. I am looking forward to creating much more beautiful ironwork in the Northwest!



Jake James

Auction Items! Auction Items! Auction Items!

Auction Items! Auction Items!



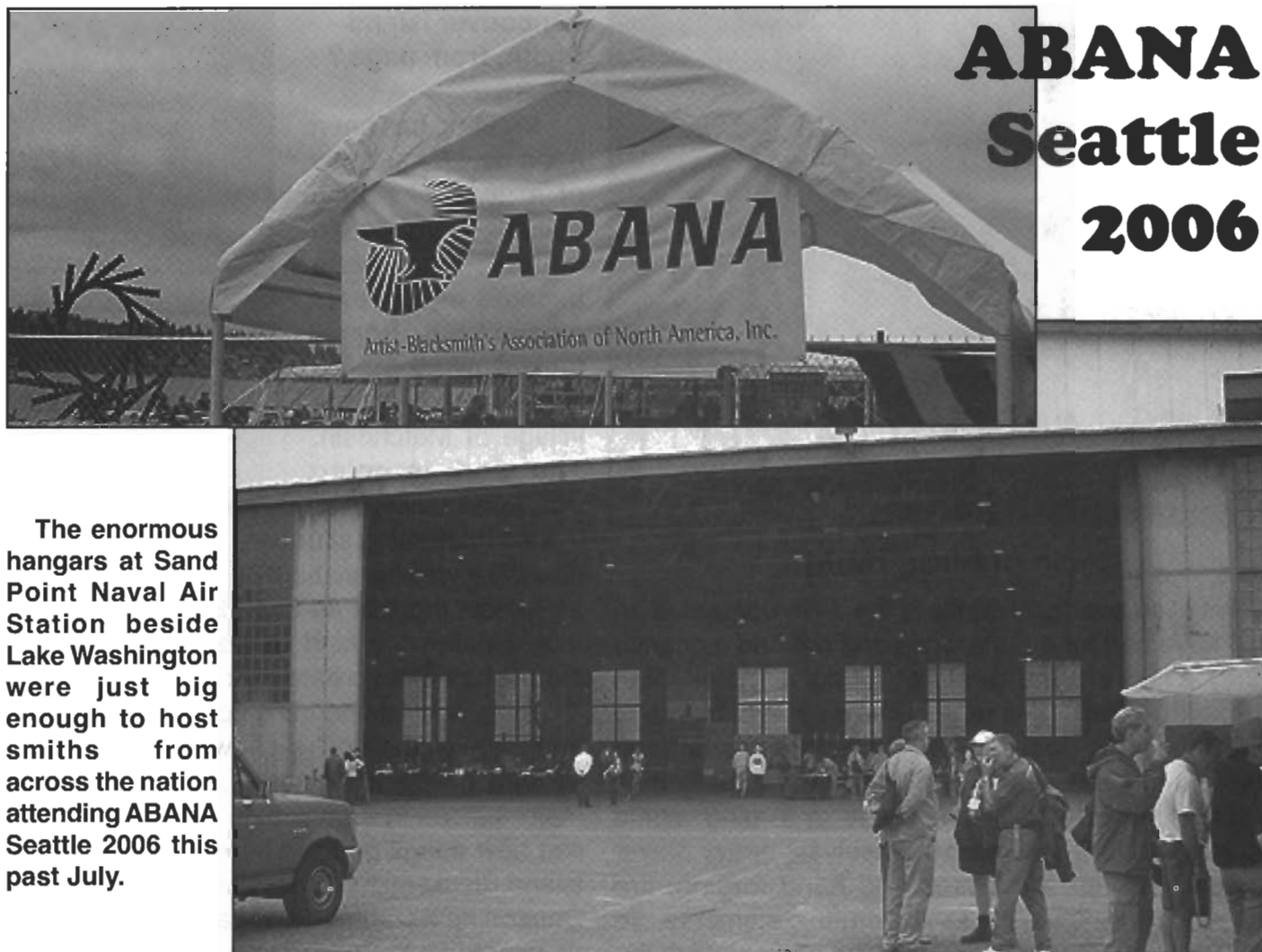
Auction Items! Auction Items!

GET A LEG UP!!!

Bring an auction item to the Fall Conference

ABANA Seattle 2006

The enormous hangars at Sand Point Naval Air Station beside Lake Washington were just big enough to host smiths from across the nation attending ABANA Seattle 2006 this past July.



Beautiful Seattle summer weather greeted conference guests, most of whom reconnected with old friends, made new ones, saw some Class A blacksmithing and some extraordinary ironwork, discussed their profession in the stylish retreats as listed at left. Jeff Wilson and son Ryan flank Smedly Soapstone's Uncle Gene. Brian Brazeal demonstrating his skills.



ABANA Seattle Conference 2006

Gene Chapman sends along his thoughts and many of the photos which appear in this conference section.

It took a long time to decide to attend the ABANA conference, anyway, got some blacksmith gold out of the bank and signed up. Also signed up for a tailgate space. Turns out that was a good decision: the parking space was waterfront on Lake Washington, a million-dollar view. Here are a few thoughts about the conference.

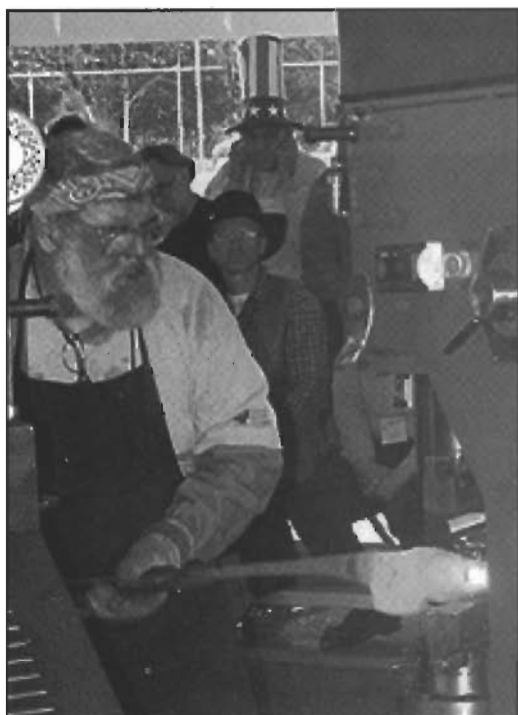
- Tailgating gives you a home base.
 - It's impossible to see all the demos.
 - Carry a light-weight collapsible chair, better than bleachers.
 - Forge a bunch of trinkets for sale.
 - Blacksmiths will buy anything.
 - Sit next to the chow line to sell your trinkets.
 - Get a big memory card for the digital camera.
 - Why did I buy those tools I don't need?
 - Riding the Washington State ferry every day is a hassle.
 - I'm glad I live in Kingston and not Seattle.
 - Unusual, it only rained a little, on Friday.
 - Invent a flushing porta pottie, you could make a million.
 - Tools are cheaper the last day of a conference.
 - Blacksmiths will buy anything.
 - Make more keyfobs next time.
 - Propane forges don't smell like burning coal.
 - Wonder why that little dog stood in the cold lake all day shaking like a leaf.
 - Enjoyed the conference but nice to be back in the shop.
 - Nice seeing old friends and making new ones.
 - Three Aussie blacksmiths visited my shop
- Sunday, after the conference, had a great time.



Takayoshi Komine lighting Asian Urban Design oil lamp. The long wicks are made from the pith of some type of reed.

Paul Casey, one of nine demonstrators at ABANA Seattle 2006 who represented the NWBA.





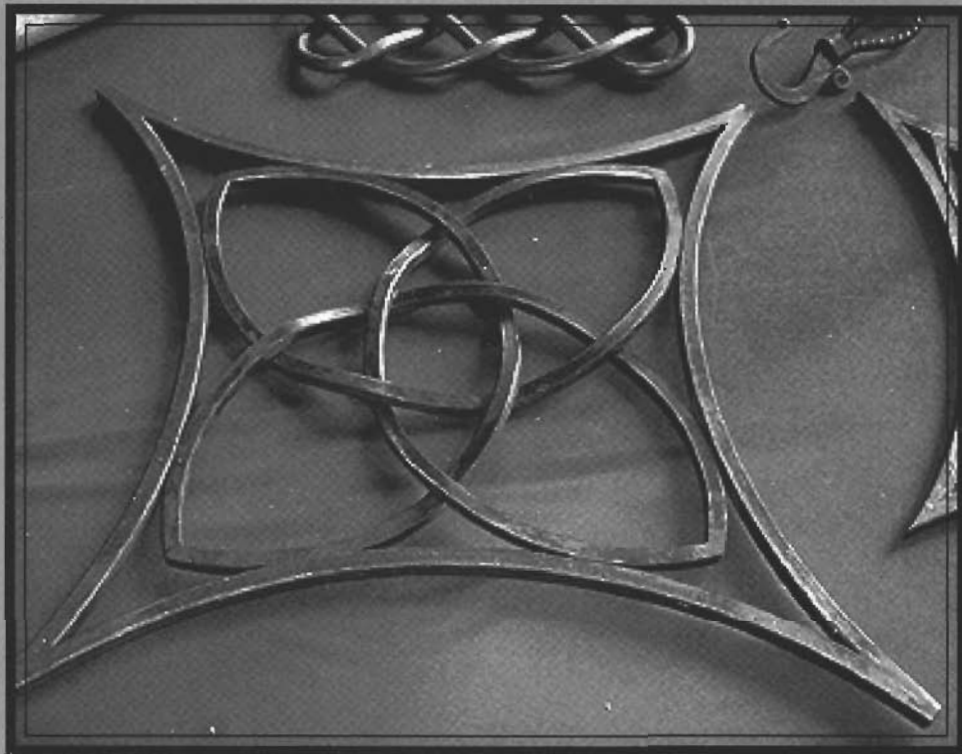
Scott Langston, Amy Pieh, and those who shall remain anonymous modeling official conference uniforms.



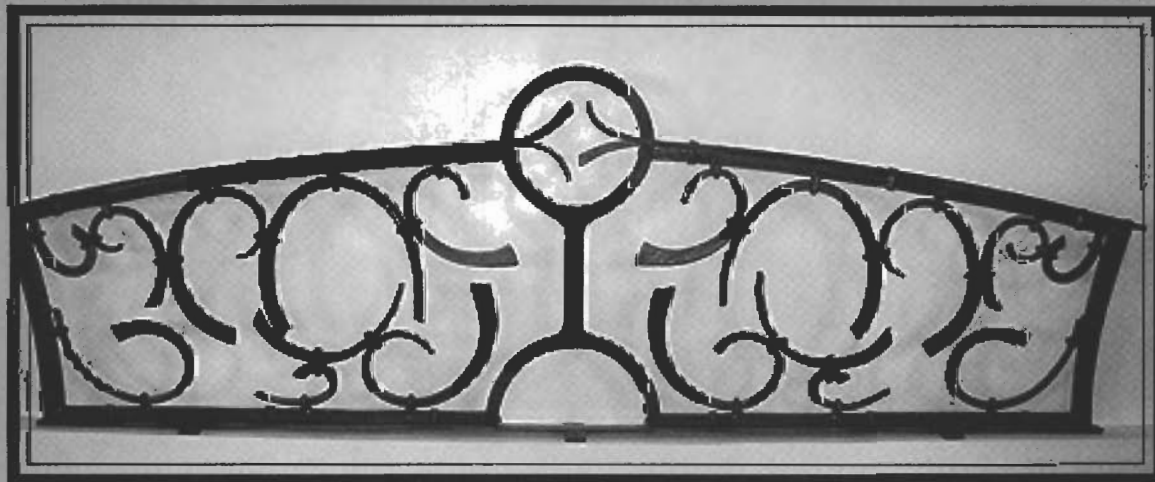
Toby Hickman demonstration class.

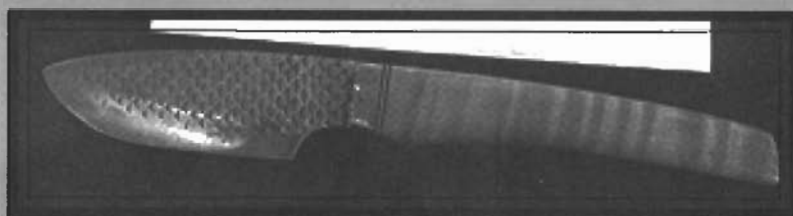


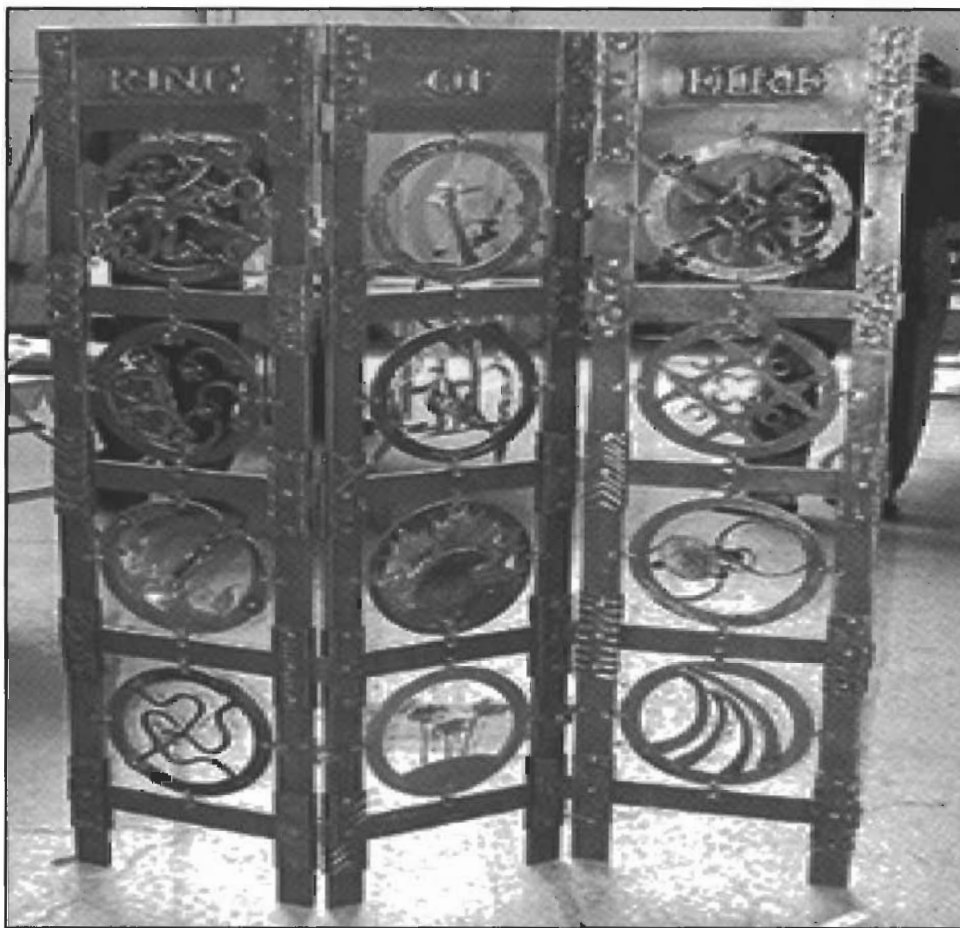
Japanese swordmaker Yoshindo Yoshihara preparing clays to be painted on a sword which, when quenched, produce the "Hamon", a visible pattern on the blade.



**Gallery
ABANA Seattle 2006 Conference**







Crew working on the conference "Ring Screen"; finished piece below.



It says suggestion box and probably explains well why most smiths would rather be in a forge than an office.



Horse head by Canadian Mark Pearce



Final touches on bronze Seattle Space Needle being made as the auction was in progress.

Harpoons are forged at lake's edge while an inflated Orca bobs innocently nearby. Nobody called himself "Ishmael" or seemed too concerned that the whale would sink their boat.

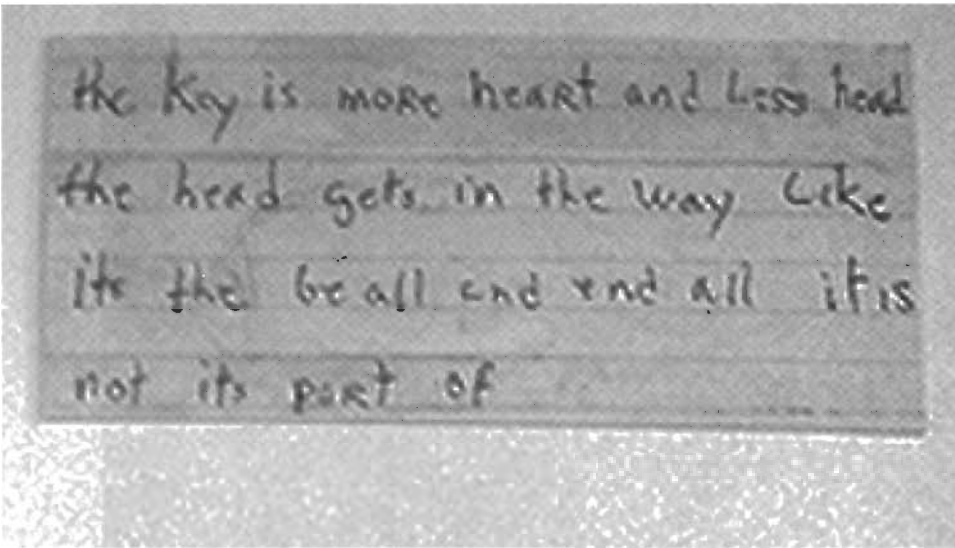


What it's all about.



Future Seattle Seahawks linebacker.

Russell Jaqua: Retrospective



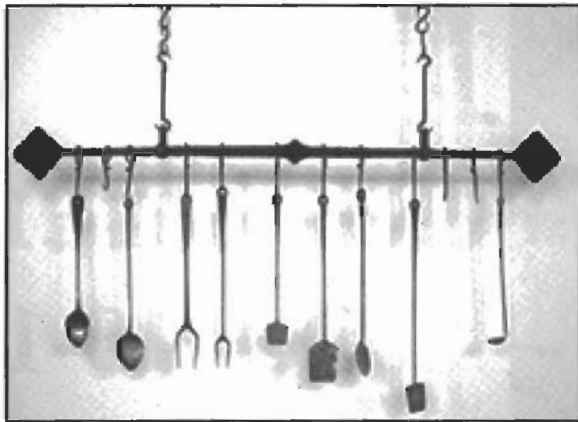
The ABANA Seattle 2006 Conference was dedicated to our own recently passed Russell Jaqua.

Russell's reputation as a premier blacksmith in the Northwest and nationwide is a legacy that will echo each time a hammer strikes hot iron in the forge of anyone who knew him or knew of him.

A full hangar watched Saturday afternoon when a documentary video was shown of the Blacksmith Boondoggle held in February at which "For Willene" was constructed. A final great monument to a great person and a great life.

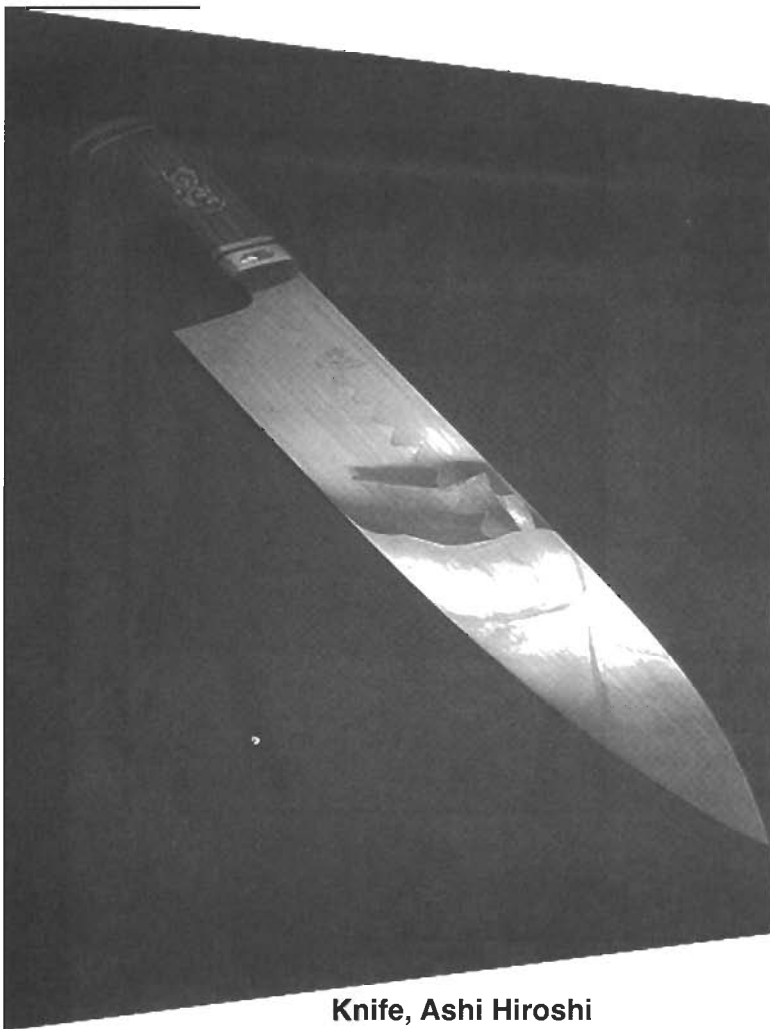


Lydia Vanderstaal, Cormac, Ontario, takes her picture of “For Willene” as it stands framed by Lake Washington and a brilliant blue Seattle sky. A few thousand photos were taken of this monumental sculpture during the conference. Lydia pointed out that part of her last name, “Stall” is the Dutch word for “steel,” a fitting moniker for a blacksmith.



Three of many Russell Jaqua works on display at the ABANA Seattle 2006 Conference. An elderberry table set, a collection of kitchen utensils and the famous and aptly named "Kelp Bed."





Knife, Ashi Hiroshi

Fall Conference

Oct. 13-15

Columbia County
Fairgrounds
58892 Saulser Road
St. Helens, OR

Japanese Cutlery Artist
Ashi Hiroshi

Seattle Blacksmith
Patrick Maher

Rose Garden Gate, entrance to a
house in the Sand Point area of
Seattle, Patrick Maher





Fall Conference Demonstrators

The creative use of basic forgery in free form sculpture

I began my career in art school in Boston in 1986 where I studied fine arts, painting, illustration and 3-D sculpture. In 1991, I packed my bags and moved to Seattle, and began taking courses at Cornish College of the arts. It was here that I took my first metal sculpture course. This was my first inspiration or exposure to work with metal.

Over the past 14 years, I have focused on developing my skills in blacksmithing, and metal working. I began with informal apprenticeships, working in a

variety of local NW metal shops, learning as much as possible from each experience. It all began with a short stint at Black Dog Forge in 1992. Shortly thereafter, I moved into a full-time position at a local Seattle institution, "The Blacksmith Shop," originally formed by Jack Slack.

At one point, his shop was showcasing some of the best NW blacksmiths during a time of revival, a renaissance if you will, in the art and craft of blacksmithing. There, I had an opportunity to discover amazing work by such talent as Russell



On The Beach, Patrick Maher

Jaqua, Darryl Nelson, Phil Baldwin and Jim Garrett, just to name a few. With this, I became excited about the trade, and found great inspiration from the wealth of knowledge of all of these local mentors.

At this point, I began to expand my skills by working in

(continued on page 25)



Ashi-san

Forge welding Japanese-style blades on a Western-style setup

Ashi Hiroshi is the founder and owner of Ashi Hamono, a workshop specializing in high-end cutlery.

Both traditional knives of laminated carbon steel and more modern knives of forged stainless (laminated and otherwise) are produced in his shop. While cooking knives are a specialty, other types of blades are also produced to order.

The smithy, which employs four highly skilled workers, is located in Sakai, a place known

for centuries for the excellence of its blacksmiths.

Ashi-san is somewhat unusual in his approach to smithing – while he makes a point of using the best of traditional design and methods, he also has no qualms about using the most modern methods, such as microscopic examination of the etched steel, RC- hardness testing, sub-zero quench.

In recent years, Ashi-san

(continued on page 25)



Fall Conference Schedule

Friday, Oct. 13

8 am Conference Registration begins
 9 am - 12 Demonstration by Patrick Maher
 9 am - 12 Hands-On with Bob Race
 12 - 1 pm Lunch Break
 1 - 4 pm Japanese Blade Forging
 Demonstration by Ashi-san
 1 - 3 pm Hands-On with Ken Mermelstein
 4 - 6 pm Dinner Break
 5 - 6 pm Board Meeting
 7 - 8 pm Lecture on Chinese Medicine and
 Blacksmithing Health Problems - Milena Neuse
 7 - 11 pm Open Forge
 9 - 11 pm "Surprise" Demo by Arnon Kartmazov

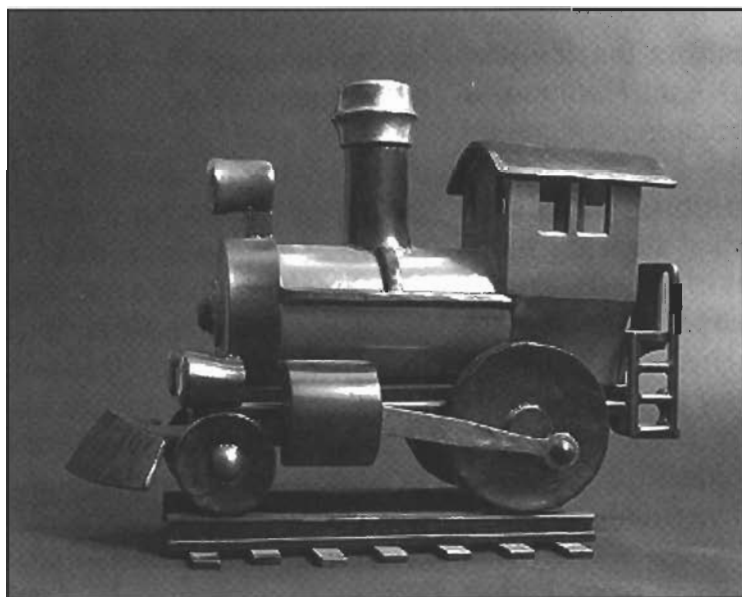
1 - 3 pm Hands-On with Jake James
 1 - 4 pm Raising Copper Vessels Demonstration
 by Greg Wilbur
 4 - 6 pm Dinner/General Meeting
 7 - 9 pm Auction
 7 - 11 pm Open Forge

Sunday October 15 2006

9:00am -12:00 Complete project for Ashi-san
 and Pat Maher
 12:00 -- Clean up

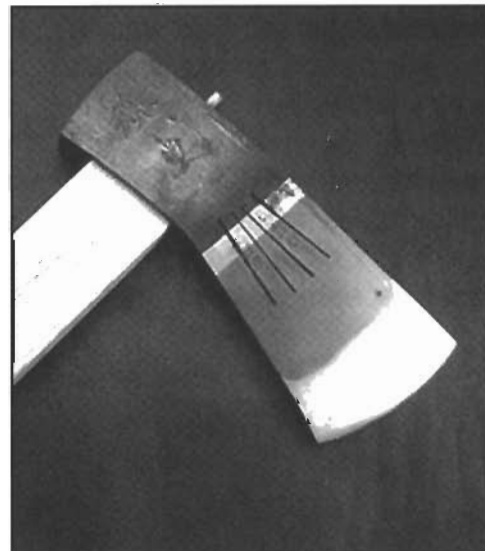
Saturday, 14 October 2006

9 am - 12 Japanese Blade Forging by Ashi-san
 9 am - 12 Hands-On with Alan Flashing
 12 - 1 pm Lunch Break
 1 - 4 pm Demonstration by Patrick Maher



Engine Patrick Maher

**Axe Head
 Ashi-san**



Conference Fees

3-day conference fee - \$65
 (must be a member)
 1-day conference fee - \$35
 (must be a member)
 Guest fee - \$30
 Saturday Dinner (includes auction)
 Guest only - \$20
 Membership \$40; out of country \$45

**Donate an item to the auction,
 receive \$5 off conference fee**



Hands On Classes

Slitting Chisel and Split Finials

Friday October 13, 9 am – noon

Instructor: Bob Race

In this class Bob will demonstrate and teach how to forge a slitting chisel. This chisel will be used to form split finials suitable for adornments on your future projects. Bob will employ traditional techniques in forging these elements. Beginners are welcome.

Beginning Blacksmithing Hofi Style

Friday October 13, 1pm – 4 pm

Instructor: Ken Mermelstein

In this class Ken will demonstrate and teach the forging techniques of the famed Uri Hofi. Ergonomics and conservation and generation of heat will be stressed through the creation of various forged elements. Elements will include drawing to a point, double penny scrolls, leaves, and various hooks. Hofi style hammers and tooling will be available for use. Ken says "all beginners and those interested in Hofi techniques are welcome."

Basic Blacksmithing Skills, Approaching your Anvil

Saturday October 14, 9 am – noon

Instructor: Alan Flashing

In this class Alan will demonstrate fundamentals such as tapering, slitting, drifting, and scrolls while using the ergonomic concepts of Modern European Master Smiths. This methodology will be useful in the initial "set up" of various forged elements. Hammer control and stance at the anvil will be emphasized. Beginners are welcome.

A word about hands-on classes

*by Tim Middaugh,
Workshops/Education Chairman*



The hands-on classes offered at the Spring and Fall conferences continue to thrive! This is due to the work of many and the foresight of those who helped make our teaching trailer a reality.

Not long ago hands-on classes were only possible if we could scrounge the anvils, vises and tooling we needed for the weekend. Those who help on Thursday setup and Sunday morning breakdown are also an essential element to our success.

Many thanks to those smiths who have offered to be instructors. In many cases, the instructor's prep time far exceeds the time spent teaching the class.

Organic Line and Form in Forging

Saturday October 14, 1 pm – 4 pm

Instructor: Jake James

Jake will be forging a set of BBQ tools and a stand. The focus will be on composition of the piece, balance and transition in forging. Minimal tooling will be used to emphasize the importance of the hammer. Knowledge and skill in basic forging is required so that the student and instructor can focus on the visual aspects of the work.

Repousse Workshop

Instructor: Louie Raffloer

This is an ongoing hands-on Repousse class. Participants will use fine traditional techniques and small tools as they form 10 oz copper sheets. Designs are available and many will use their own designs. All tools and materials are supplied. No previous experience is necessary. This is an interesting alternative to working hot iron. This class not picked by lottery. Open to all as they arrive.



Fall Conference Map and Lodging

Columbia County Fairgrounds St. Helens, Oregon off Columbia River Highway

Map Key

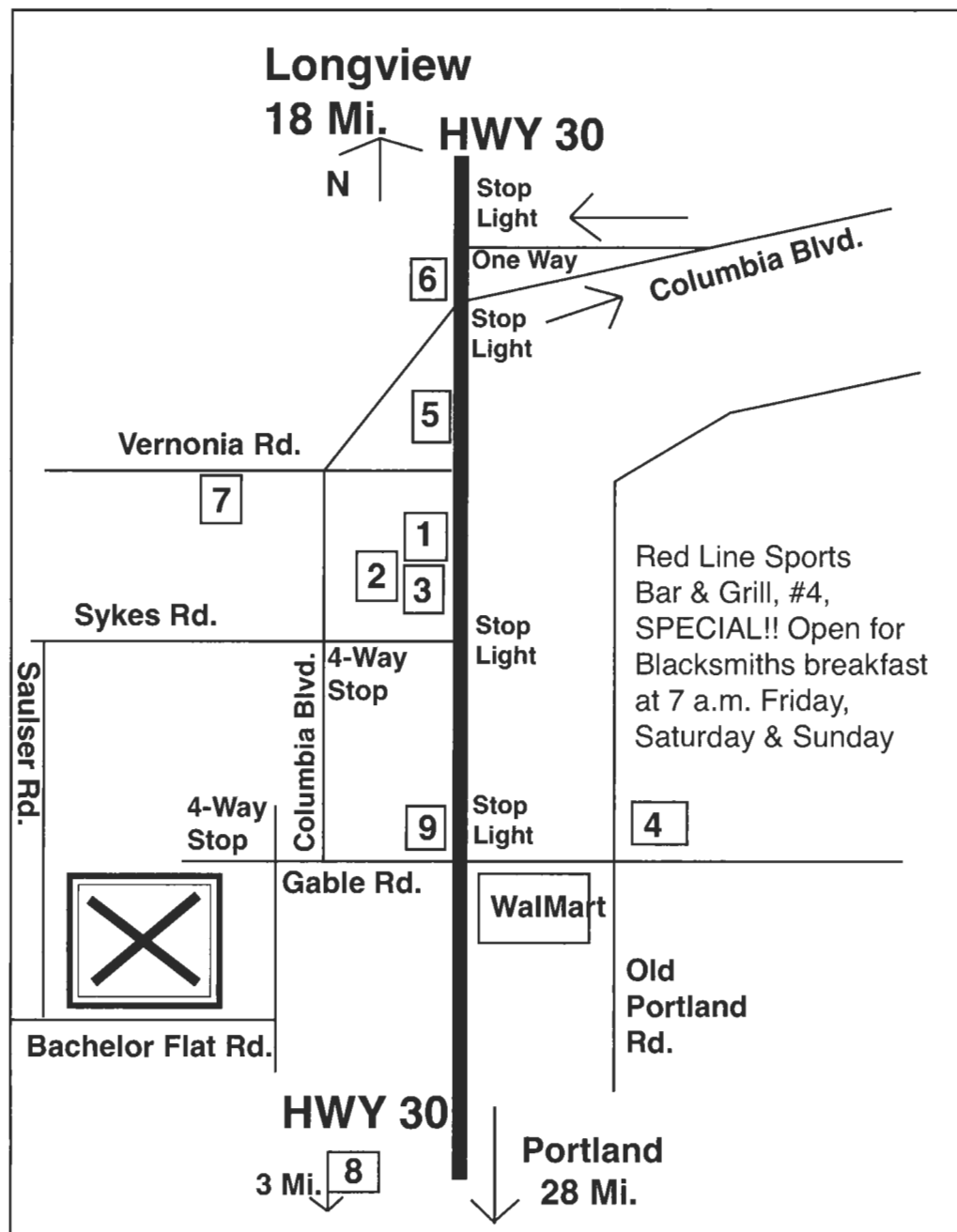
1. Village Inn
2. Best Western
3. Joe's
4. Red Line
5. Texaco
6. Chevron
7. Sherlocks Groc.
8. Country Inn
9. Safeway

No dogs allowed!

Two hotels in area
with discount if you
mention Northwest
Blacksmith Assn:

Best Western Oak
Meadows Inn
585 South Columbia
River Highway
St. Helens, OR
503-397-3000
Discounted room
rate; free continental
breakfast

Village Inn
535 South Columbia
River Highway
St. Helens, OR
503-397-1490
Discounted room
rate; there is a
charge for continental
breakfast



**Safety glasses are required at all
demos, classes, workshops, and
during open forge evenings.**





Japanese style blades

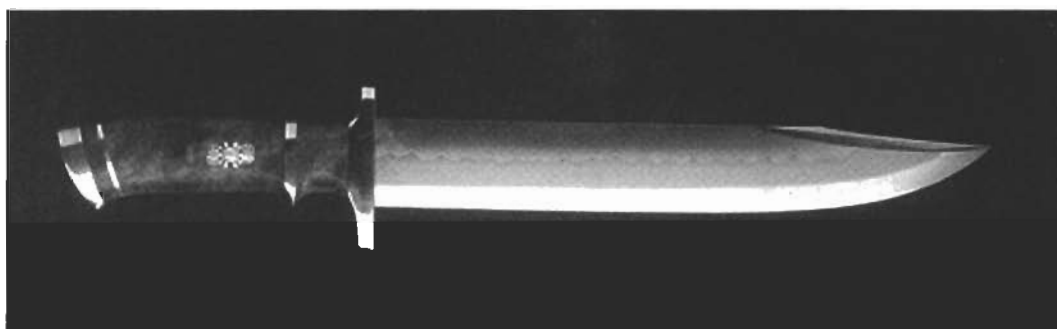
from page 21

has also developed a great liking of "Western-style" blacksmithing – namely, decorative and sculptural forging of mild steel, and he has already achieved recognition in Japan for his original and well-crafted designs.

At the St. Helens conference, Ashi-san will demonstrate the making of Japanese cutting tools using traditional techniques while utilizing a Western-style setup familiar to blacksmiths in America: portable gas forge, coke forge, German double-horn anvil, etc. Thus, everything demonstrated

will be immediately applicable for the spectator.

The demonstration will include forge-welding Japanese-style blades, forging them to shape, and heat-treatment, with detailed explanation of the materials and methods used.



Knife
Ashi-san

Free form sculpture

from page 21



Hot Air Balloon
Patrick Maher

shops like Fire Mountain Forge, Apex Forge in Tacoma, and 47 Productions in Seattle. From 1999 on, I began taking on my own commissions, including public parks projects, railings

and gates. In addition, I began exploring my own ideas in free form metal sculpture, which was really rewarding and fun.

Currently I am an owner, and partner in a recently formed company, 12th Avenue Iron. We are located on Capitol Hill, in the heart of Seattle, specializing in custom architectural iron work. We work closely with architects, designers and builders to create high end quality, uniquely designed products.

My demonstration for the conference will consist of a variety of techniques from my experience, ranging from basic forging, to more complicated techniques using power hammering. I will show how using basic forging can be utilized in making tools and joinery, as well as more creatively in free form sculpture.

Auction Items

Who could resist that spectacular creation of yours?

Pack it up, bring it to the Fall Conference, and donate it to the Auction.

A large portion of our budget is funded by the revenue we raise at our twice yearly auctions.

Can't wait to see what you show up with this time.



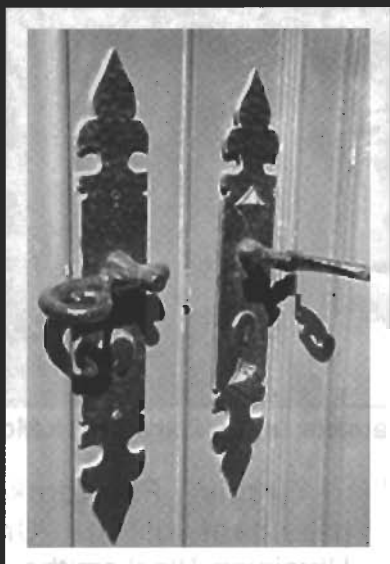
H I N G E S ?

**That
Are
Not**



by Hardie Swage





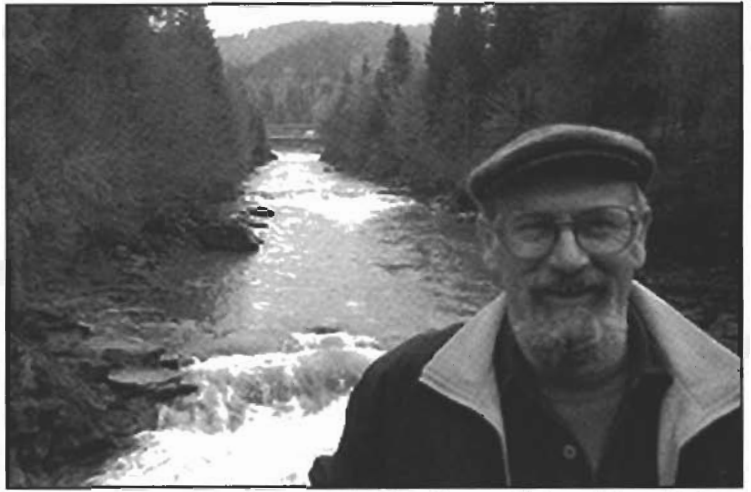
These pictures are from some Portland area churches. This brief piece does not begin to cover the best but it does give you an idea of the variety.

The doors are hung on butt hinges and decorative artificial hinge plates are mounted on the door to give the impression of a much more elaborate effect. If the door opens out, the butt hinge joint is on the outside too. If they open in, the reverse is true. You can see how one church used the same treatment for doors of both types.



A world of smithing in Ukraine

by Terry Carson



The author in the Carpathian Mountains

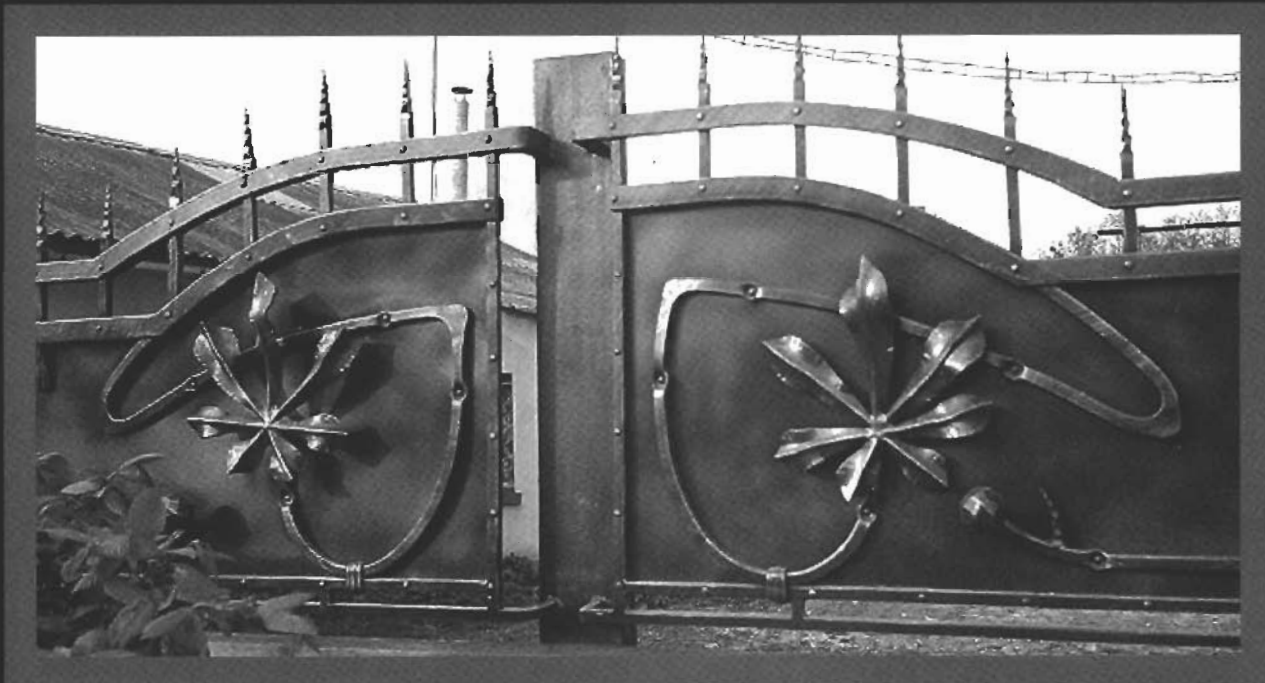
For those of us who like to travel, a trip to eastern Europe is an adventure.

Throw in the opportunity to participate in the internationally

attended "Festival of Blacksmiths" held in Ivano-Frankivsk, Ukraine, this past May 5 to 7 and the journey truly becomes the trip of a lifetime.

Sergiy Polutbotko, the president of the Union of Ukrainian Blacksmiths, and his wife, Olga, hosted this three-day event. Their guests included 260

Festival of Blacksmiths draws 260 smiths from 18 countries. Terry and Louise Carson saw some extraordinary ironwork, hiked some beautiful country, ate some delicious food and met some great people who all spoke the common language of hot iron.



Lviv blacksmith Mikola Vizinsky's large gates enclose the outside dining area of a local restaurant.



Somewhere on this spire, the collective work of festival smiths donated to and erected in a Lviv town square, are a few of Carson's flowers.



Brian Brazeal recently returned to the states after working with Alfred Habermann in Austria. He was a demonstrator at the Seattle 2006 ABANA Conference.

smiths from 18 countries who joined to share food, drink, camaraderie and forging.

From the moment my wife, Louise, and I arrived at the airport in Lviv (LyovOf'), we were surrounded by Ukrainian hospitality. There were people there to greet us and arrange for our taxi ride to the hotel.

Later we joined a group of smiths for dinner and it soon became apparent that the expert hands of Olga were at work organizing things as we toured the area and took trips to visit shops.

Lviv is a beautiful city with much art, interesting architecture and incredible amounts of ironwork. It has a very European feel. Ukraine is now the largest country in that part of Europe.

A Lviv smith, Mykola Vizinsky, who is a graduate of the Lviv Art Academy, took us to his shop where he employs three smiths among his 15 workers.

They produce both traditional and modern work, all designed and finished in a well-equipped shop.

Other tours followed in the next two days.

We toured a brewery which has been producing suds since the 1300s; a large forge near the Polish border employing over 100 workers and exporting their work to at least seven countries; the Lviv Art Academy, where many smiths have found training; and the usual stops at cathedrals and museums.

The bus that took us to Ivano-Frankivsk on Thursday evening was a real "melting-pot" bus line as we sat with smiths from Italy, Germany, France, England, Liechtenstein, Russia and Ukraine.

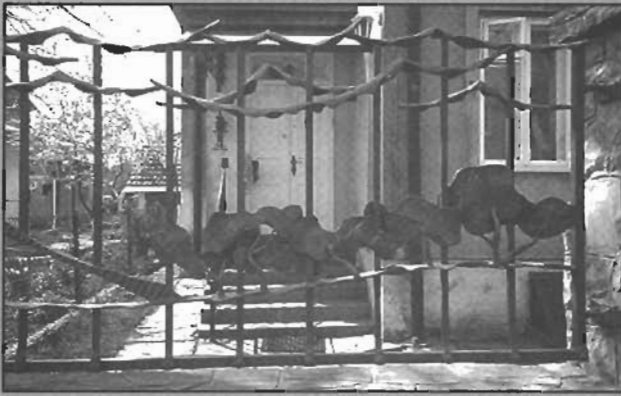
The countryside is green with natural vegetation and agricultural activity. Nearly everyone seemingly tends a small patch of earth, as these are people who have learned over the centuries that you need to be in charge of a good part of your food supplies.

The juxtaposition of technologies was interesting: a man breaking ground with two horses and a single bottom plow stopped while he conversed on his cell phone, all levels depending on all levels.

A students' exhibition opened Friday with some remarkable pieces on display. In some cases imaginations were clearly working overtime.

Each year the convention makes a collective piece, and that Friday the ironwork sculpture made in 2005 was dedicated in the city's main square.

The Friday night banquet was held in a facility styled after a Cossack meeting hall. It was an



Ironwork gates and doorways, a common feature of homes and yards in Lviv.



Bogdon Popov, a smith from Kiev, and Louise Carson. Popov wears an NWBA Conference shirt, the only dry shirt left after working a day in the rain.



incredible meal.

Tasting the appetizers, including salo, a cured pork fat snack (similar to the Italian dish, Lardo), lasted for over an hour.

A multi-course dinner followed, after which there was a long evening of dancing and drinking vodka. Don't even try to go drink for drink with either a Ukrainian or a Russian. You will not win. *(Editor's note: Mr. Carson did not explain how he made this discovery, but we're sure it was all in the interest of international relations.)*

Saturday about 50 of us worked on parts of the collective sculpture to be donated from the 2006 conference.

The design called for a five-meter-tall spiral with everyone's efforts to be added to the "Bouquet of Masters."

I was part of the British, French and American team led by Terry Clark with his daughter, Becca, Bethan Griffiths, Nigel Barnett, Stephane Chevalier and Brian Brazeal.

We made a trident, which is the emblem on the Ukrainian flag.

My job was to tend the coke fire, a real challenge with twenty-mile-per-hour winds and rain in my face.

Except for my glasses getting so hot that they blistered my nose while Clark was constantly reminding me, "Don't burn it again, Carson," all went well.

The level of activity throughout the square was intense with many fine pieces being created.

I, of course, wanted to add a few of my flowers to the mix, but needed to weld three of them together. The coke fire we had been using was much too filthy.

Bogdon Popov, a smith from Kiev, does historic and sustainable blacksmithing and was demonstrating the use of a bellows powered charcoal fire.

Since this looked to be the cleanest fire in the area, I asked and he agreed that I could use his station. With international cooperation, a little flux and an anvil wiped dry every heat, we completed a successful weld in the rain to a round of applause from the audience.

I'm sure they all thought the American was crazy. Saturday evening the gallery opened.



Another piece of work by Lviv smith Mykola Vizinsky.



Wild boar in an animal park near Lviv. The feral version gets very big, is very aggressive and a common hunting prey in the area.

The large variety of work on display was beautifully forged, some forged and fabricated, some serious, some whimsical. All showed that the craft of blacksmithing lives and grows in Ukraine.

As part of the celebration many of us who attended from outside Ukraine were presented with a certificate of participation. Mine is proudly displayed on my office wall.

Monday the camaraderie continued with Sergei and Olga leading a busload of us to the Carpathian Mountains. The country is similar to the Cascade foothills, their highest peak being about 8,000 feet.

Pine, fir and birch forests cover the hills. The rivers were being enjoyed by kayakers. Game animals in the area include a large deer with planate antlers similar to our elk and wild pigs, some that can reach weights of 700 pounds (see previous discussion on vodka drinking).

From the birch forest come birch branches which we found a use for when we enjoyed the Banyan. The Banyan is a type of sauna where part of the cleansing process is to be whacked by birch branches while the hot steam steeps your body. Follow that by jumping into an ice cold mountain river and, if your heart holds up, you do feel wonderfully clean and relaxed.

We thoroughly enjoyed our trip.

The country is beautiful, the people are friendly, the food is of high quality as well as tasty, the vodka is cheap, travel by bus or train is reasonable.

Many conferences and blacksmithing festivals are held throughout the year in Ukraine and surrounding countries.

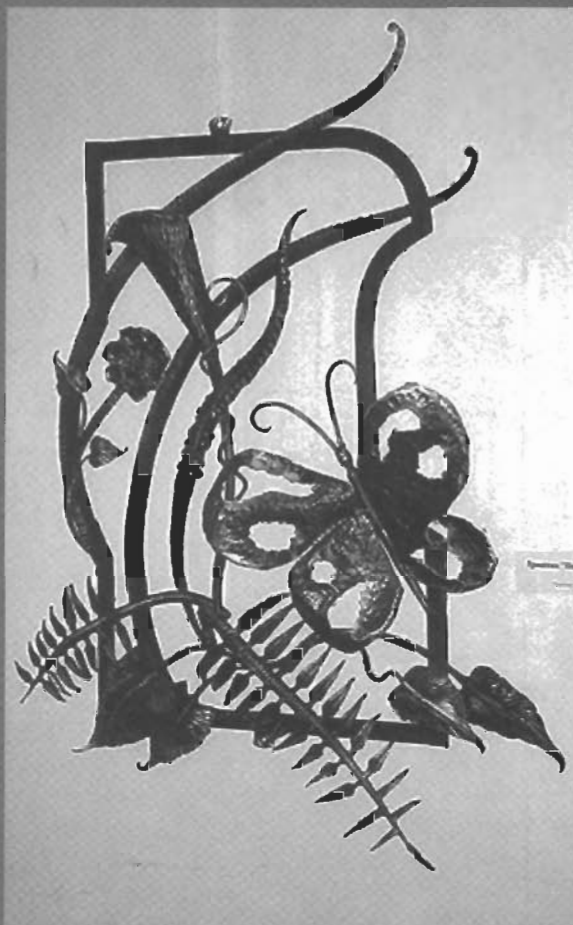
I would highly recommend a trip to Ukraine or other countries in Eastern Europe as a way to expand your knowledge of our craft as well as to have a great time.



Gate, above, and detail at left were found near and made in the large forge Carson visited near the Polish border.

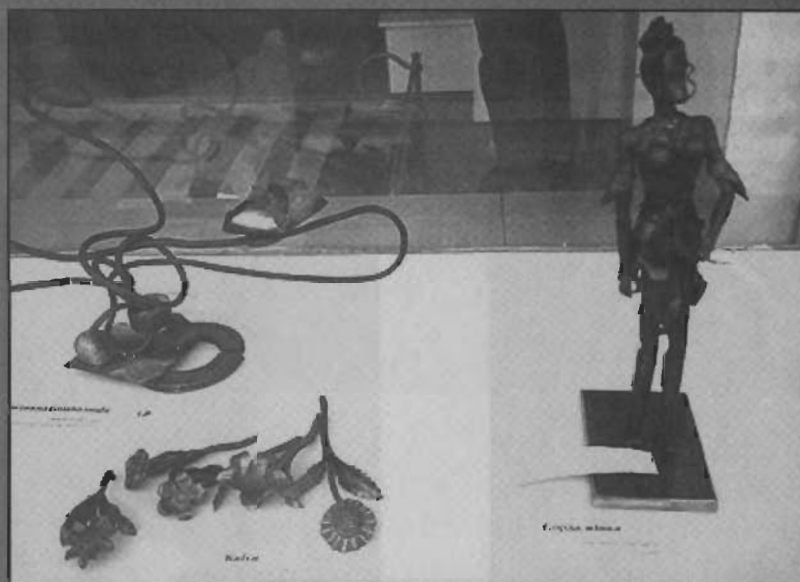


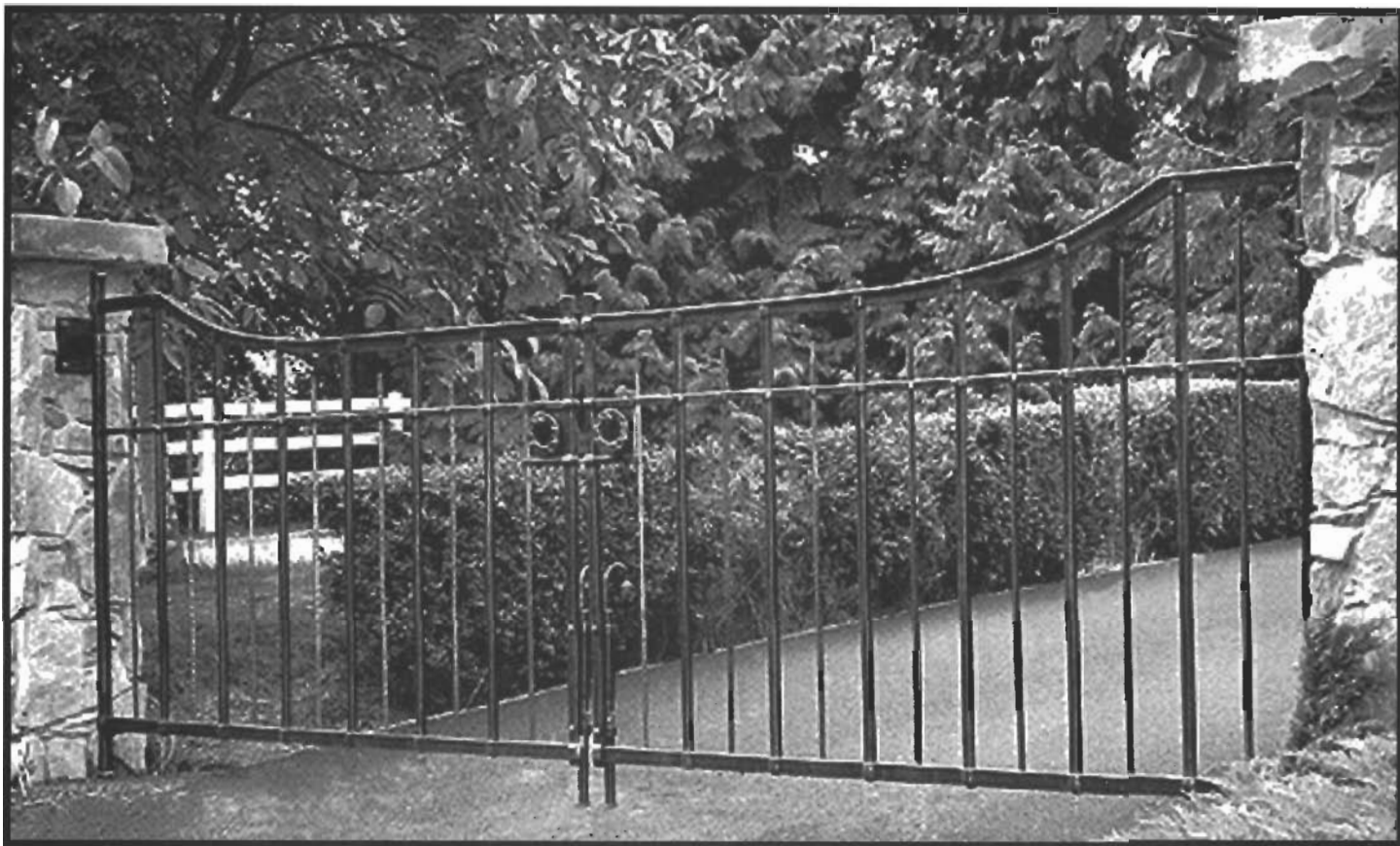
Gallery
from
Festival of
Blacksmiths
held this
summer in
Lviv,
Ukraine





Gallery from Festival of Blacksmiths held this summer in Lviv, Ukraine





Arcane Metal Arts

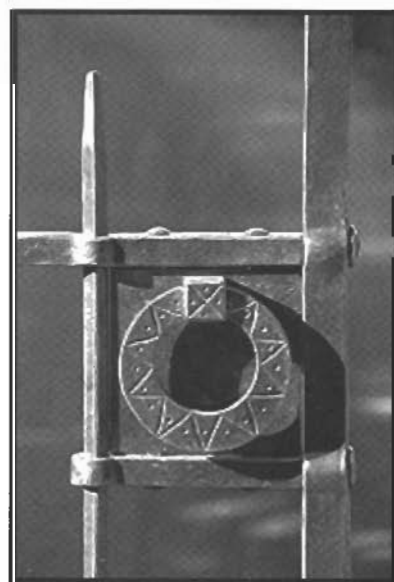
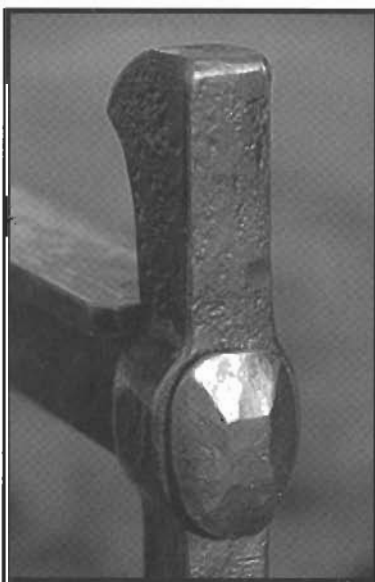
Driveway Gate

Artist blacksmith Jeff Holtby specializes in custom architectural ironwork

After 25 years experience in various fields of metalcraft, Jeff Holtby launched his own blacksmithing business in 1997, Arcane Metal Arts in Langley, Washington.

It hasn't taken long for Holtby to also establish himself as a premier creator of architectural items. His finely handcrafted gates, carriage lamps, fences, railings, grills, furniture, arbors, pot

racks, fireplace screens/tools, hardware, lighting, bells and candleholders can be found in public and private spaces throughout the Northwest.

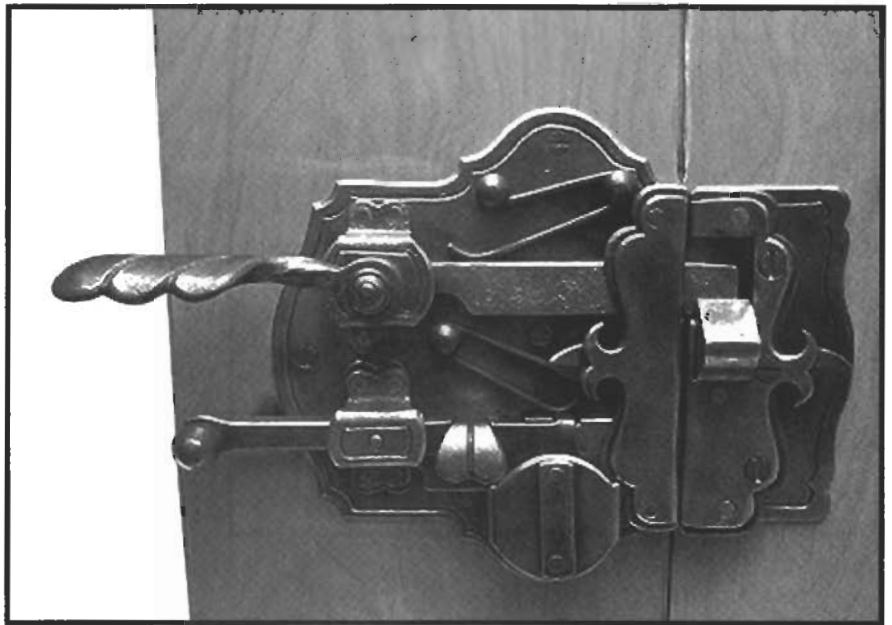


Lever Lock



The original design for this lock is based on extensive historical lock research.

It is patterned after a German lever latch with lever tumbler slide bolt.



The lock is sized to fit on the center rib of a two-panel exterior door. The lock springs were Chevy coil springs pounded out to size and heat-treated. Riveted construction.

The exterior side of the door

is a non-traditional raised whale lever handle and shell key cover. The whale's coloration was achieved by taping the dark areas and sandblasting the light areas. Carved the eye with chisels. Penetrol finish.

Driveway Gate

The driveway gate pictured on the previous page is an original design built from steel in 2000.

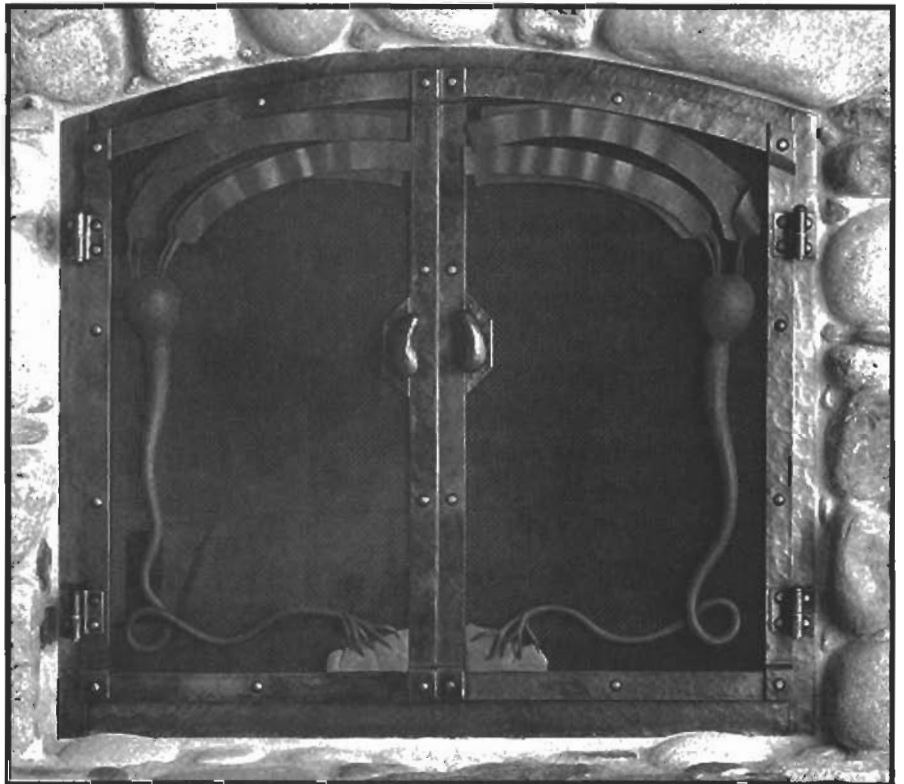
The gate was forged from solid stock, sizes ranging from 1&1/2 inch square to 5/8 inch square.

It was forged using traditional mortise and tenon joinery.

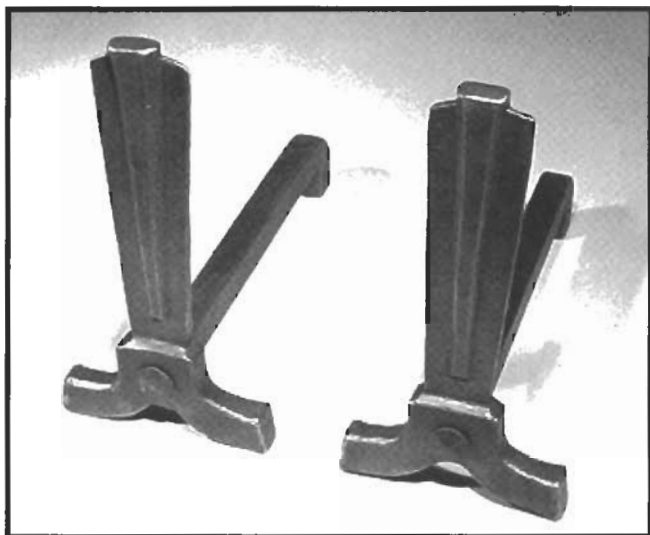
The gate was hinged and latched based on traditional European designs and finished with a clear powder coat.

The joints were individually treated with gasket sealer after the powder coat was applied.

The size of the opening was 19 feet. The hinge bar was 6 feet tall.



Bull-kelp Fire Screen Doors



Andirons

The tower was forged from 1 inch by 3 inch flat bar, opened out at the bottom and top developed under a power hammer.

The back bar made from 1&1/4 inch square stock. Tower and back bar joined by mortise and tenon.

Overall size 15 inches high and 20 inches deep.

Balcony Railing

This interior second-story balcony railing is an original design forged using mortise and tenon and riveted lap joints.

The lap joints were done under a power fly press.

The challenge for this rail was that it was curved. It was fitted in a vertical position after fabricating the bottom bar. It was held in line by braces attached to a metal table and riveted up.

Stock sized ranged from 1/2 inch by 2 inch cap to 1&1/4 inch posts to 3/4 inch square pickets.

The paddles were forged from a one-inch round to a 5/8 inch cross section leaving flat paddles at the top.

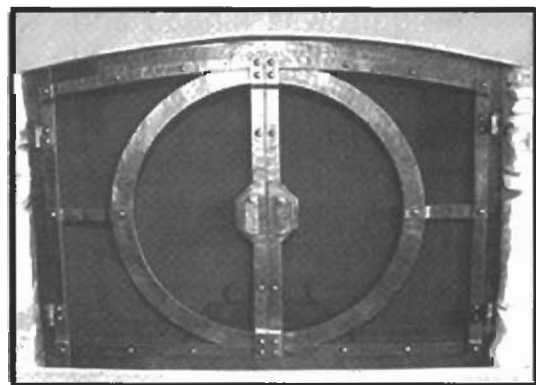
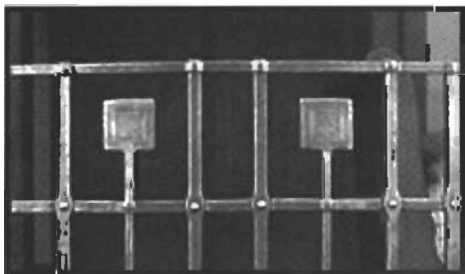


Circled Fire Screen Doors

A theme running throughout the house inspired the circle on these doors.

The doorframes and doorjamb are heavily textured. Step joints at the corners of the door frames.

Shop-made hinges are then riveted on.



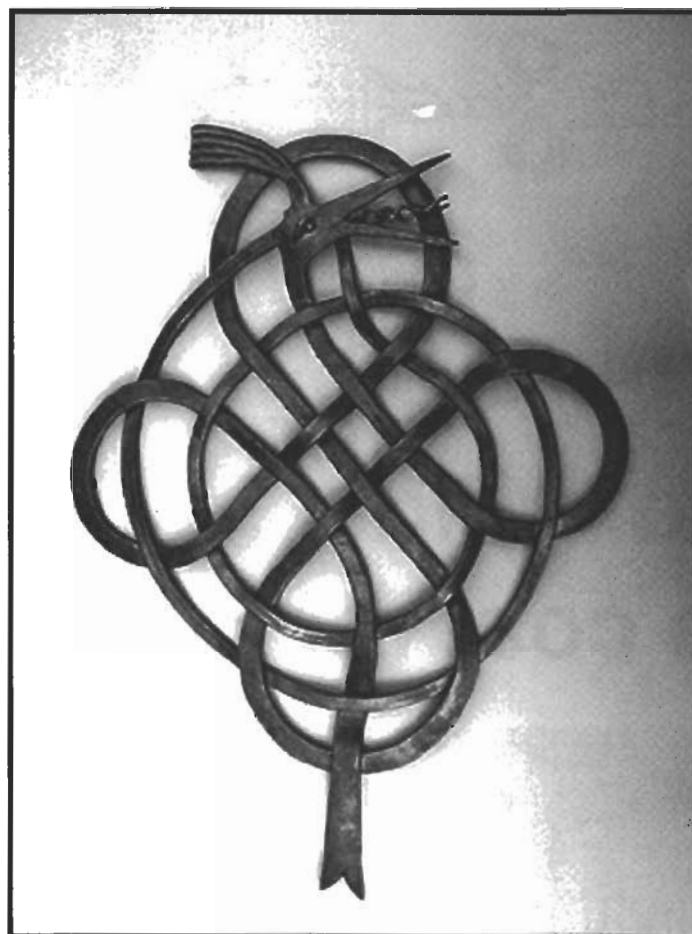
Grape Cluster

Individually forged grapes formed in shop-made power hammer spring die.

Grapes forge-welded in rows to a common stem, which is then forged back to the original thickness under the power hammer between each row.

The leaf and tendrils are attached to the stem with forge-welding done by hand.

Hot wax finish.



Celtic Wall Hanging

This original design piece was developed using rope before attempting it with steel.

The head was formed separately from 1/4 inch by 2 inch flat bar and forge-welded to seven feet of 1/4 inch by 1/2 inch stock to form the central knot.

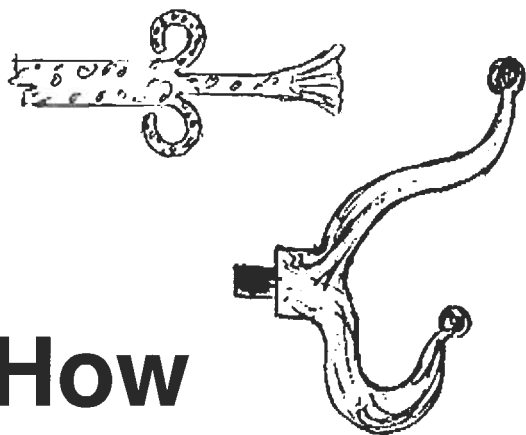
The secondary scroll was hand-forged from five feet of 1/4 inch by 3/8 inch stock, then rolled up to weave through the piece, unrolled and straightened as the work progressed.

Hot wax finish. Size 13.5 by 19 inches.

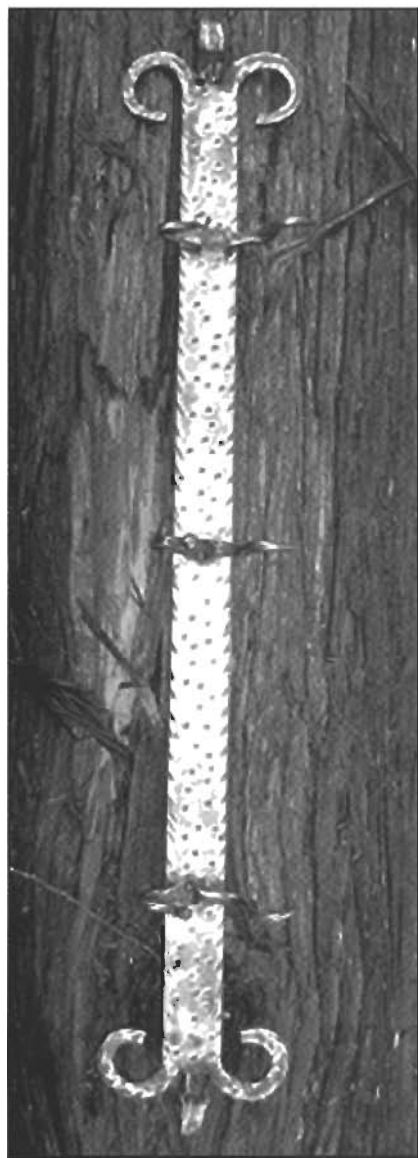
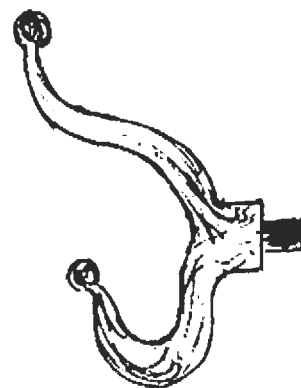
AUCTION!

The auction at the Fall Conference this October in St Helens might set a record for the number of items presented for bid. Be sure to bring something to make that happen.

How to build a coat rack



Canadian blacksmith John Adolph, a demonstrator at the Fall 2005 NWBA Conference in Mount Vernon, put together this coat rack during a demo he did last October for the Vancouver Island Blacksmith Association. Finished product brings a grin to the face of Adolph, who has been swinging a hammer for six decades. Sparks fly below as John puts the finishing blows to a ring.



How to make a coat rack hook step by step.

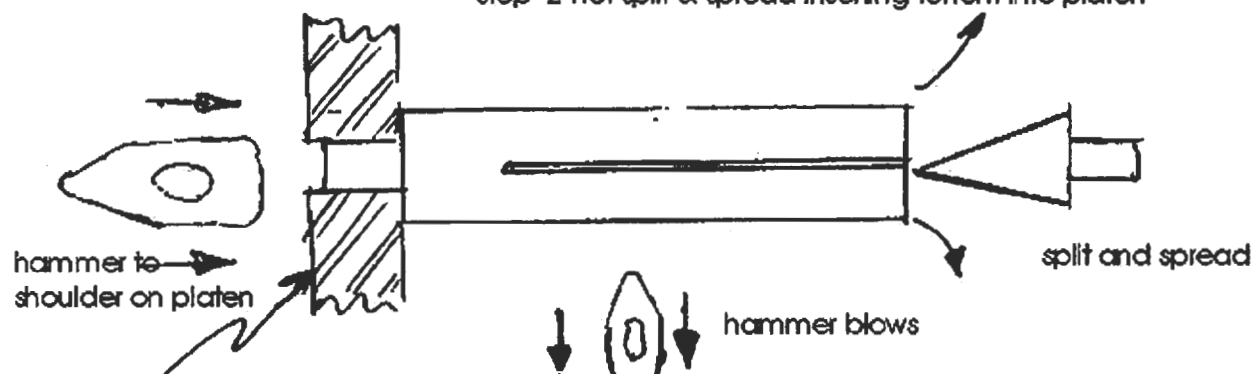
by John Adolph

3/4"x 3/4" square x 4" long

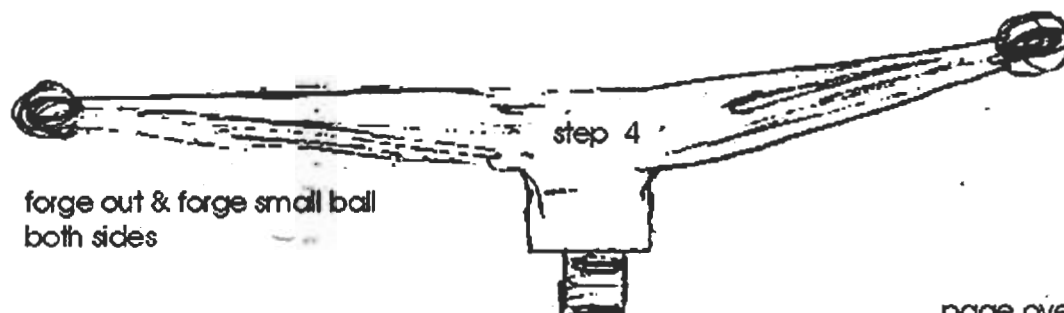
step 1 forge a tenent 1/2" round or 3/8" square



step 2 hot split & spread inserting tenent into platen

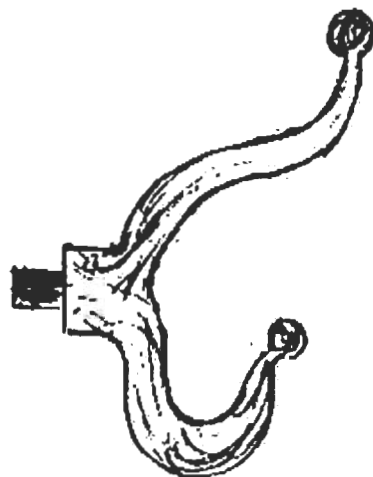


step 3 flatten on top of platen



page over
for step 5

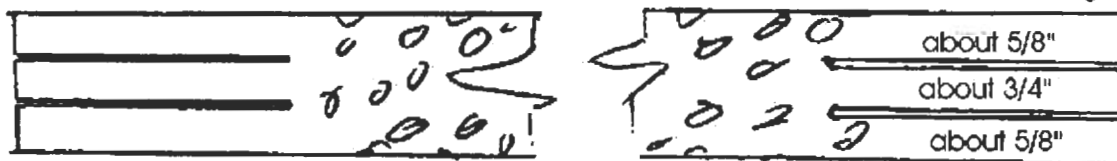
step 5



The making of the Coat Rack Mount

=====

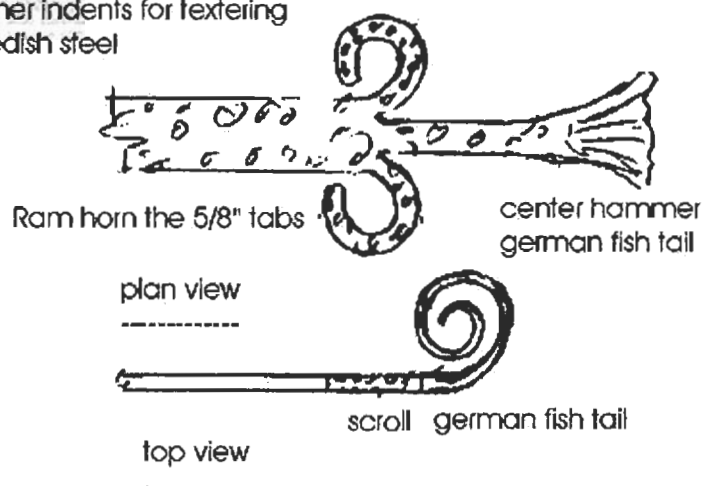
Hot split ends about 4" to 5"
then forge out to
size



3/8 x 2" flat bar length as required for 3 hooks or
any number of hooks

Hammer indents for texturing
to swedish steel

Finished Coat Rack



JOHN ADOLPH 2006



NWBA Library

Books, Videos, Phamplets

Policies: Only NWBA members in good standing eligible to borrow. Rental fee is \$4/book, \$2/pamphlet. and \$3/video. Three weeks for books, two for videos. Shipping boxes/envelopes are recycled so please try to tape for reuse. Rental fee covers postage fee to you, but you are responsible for return postage.

- B-1 The Work Methods & Tools of the Artist Blacksmith Schmirler
- B-2 The Blacksmiths Cookbook - Recipes in Iron F. Whitaker
- B-3 Blacksmiths Manual Illustrated J. Lillico
- B-4 The Blacksmiths Craft - England Rural Development Commision
- B-5 Wrought Ironwork Rural Development Commision
- B-6 Professional Smithing D. Streeter
- B-7 Practical Blacksmithing and Metal Working II P. Blanford
- B-8 The Blacksmithing - Ironworker and Farrier A. Watson
- B-9 The Art of Blacksmithing A. Bealer
- B-10 Elementary Forge Practice J. Bacon
- B-14 1912 "Forge Work W. Ilgen
- B-23 Special Steels - Types and Specifications Pacific Machine Tool Steel Co.
- B-24 Hardening, Tempering, Annealing & Forging Steel (1907) J. Woodworth
- B-30 Edge of the Anvil J. Andrews
- B-31 The Little Giant Power Hammer R. Kern
- B-32 The American Blacksmith (August 1914 Periodical
- B-33 Metallurgy of Iron Steel (an outline-1904)
- B-34 The ABC's of Iron (early 1900's) Sisson
- B-35 Punches - Dies Tools for Manufacturing Woodworth
- B-36 Chasing (and some repousse basics) M. Lewis
- B-37 The Colouring Bronzing Patination of Metals R. Hughes/M. Rowe
- B-38 Fold Forming Metal C. Lewton/Brain
- B-39 Pounding Out the Profits (mechanical hammers-Aaa thru Zzz) D. Freund
- B-40 Patina's for Small Studios (simple formulas/advice-ferrous/non-ferrous C. Lewton/Brain
- B-41 Nautical Iron Prints circa 1914-1920
- B-42 Anvils in America (Anvils from A thru Z-who/what/when/how) R. Postman
- B-43 The Blacksmith's Craft COSIRA
- B-44 Catalogue of Drawings - Wrought Iron Gates COSIRA
- B-45 Metallurgy Fundamentals D. Brant
- B-46 Plain and Ornamental Forging E. Schwarzkoph
- B-47 Mokume Gane - a comprehensive study S. Midgett
- B-48 Colonial Wrought Iron (the Sorber collection) D. Pummer
- B-50 The Art of Wrought Metalwork for House Garden (schmidkunst am haus) Schmirler
- B-51 The Artist Blacksmith (der kunstschmied) Schmirler
- B-52 Wrought Iron Artistry Schmirler
- B-53 Modern Wrought Iron (schmiedeabeiten von heute) J. Hoffman
- B-54 Samuel Yellin - Metalworker J. Andrews
- B-55 Art Nouveau - Decorative Iron Work T. Menten
- B-56 Catalogue of Drawings for Wrought Iron Work Rural Development Commission
- B-57 Wrought Iron Designs Norm Larson Books
- B-58 Designs and Products of the Forge C. Zimmer
- B-59 Designs and Products of the Forge II C. Zimmer
- B-60 Iron Menagerie Various

NWBA Library Book List, continued

- B-61 Decorative Sculptural Iron Work (1970's metal artists) D. Meilac
- B-62 Metal Designs (metalgestaltung) A. H. Kuhn
- B-63 The Shaping of Metal (stahlgestaltung) F. Kuhn
- B-64 Beautiful Iron - The Pursuit of Excellence F. Whitaker
- B-65 Architectural Ironwork (1990's metal artists) D. Meilac
- B-66 The Golden Age of Ironwork H. Magaziner & R. Golden
- B-67 Fer Forge Ch. Massin
- B-68 A Blacksmith and Hammerman's Emporium D. Freund
- B-69 69, Moving Metal - the Art of Chasing Repousse A. Steines
- B-70 Classical Techniques of Hand Forged Iron-Embossing (Chasing Repousse) M. Metzger
- B-73 Wrought Metal Work (Detailed Drawings of Steps in Forgings) B. Heatherly
- B-74 Das Eisenwerk (Encyclopedia of European Architectural Iron) O. Hover
- B-75 The Useful The Beautiful "De Lo Util A Lo Bello Spanish Authors
- B-76 The Artist Blacksmith - Design Techniques Peter Parkinson
- B-77 Alfred Habermann - Blacksmith Designer Peter Elgab
- B-78 From Forge Anvil-Eric Riesel (Hill Country Ironworker), C. Leslie D. Hopkins-Hughs
- B-80 Antler and Iron (a mountain man's knife G. Chapman
- B-84 The Complete Bladesmith - Forging Your Way to Perfection J. Hirsoulas
- B-85 The Master Bladesmith - Advanced Studies in Steel J. Hirsoulas
- B-86 The Pattern Welded Blade - Artistry in Iron J. Hirsoulas
- B-87 The Hand Forged Knife - An Introduction to Working Modern Tool Steels K. Schroen
- B-88 \$50.00 Knife Shop - Making Tools Machines W. Goddard
- B-89 The Wonder of Knifemaking W. Goddard
- B-90 Steel Rolling Mill H. McDonald
- B-91 G. Poillerat (French Traditional-High End/Gilded) C. Moreau
- B-100 Weathervanes (wetterfahnen) Historical Modern C. Potz
- B-101 American Antique Weathervanes A. Westervelt
- B-102 English Weathervanes - Their Stories Legends A. Needham
- B-110 Metal Design International 1999 Hephaistos
- B-111 Metal Design International 2000 Hephaistos
- B-112 Metal Design International 2001 Hephaistos
- B-113 Metal Design International 2002 Hephaistos
- B-114 Metal Design International 2003 Hephaistos
- B-115 Metal Design International 2004 Hephaistos
- B-120 Treasury of Iron Work Designs - 469 Historical Examples (some repousse) G. Grafton
- B-121 Handbook of Ornament - 3002 illustrations (some repousse) F. Meyer
- B-124 The Artist Blacksmith - Designs and Techniques Parkinson
- B-125 Metal Works - Design and Fabrication Hill
- B-126 The Blacksmith and His Art Hawley
- B-127 IL Genid Del Ferro - The Genius of Iron Benetion
- B-128 Magiche Forme - Design of Sculpture Benetion
- B-129 Mousehole Forge - Mousehole Anvil History Postman
- B-130 Manual of Locksmithing Morrison/Frecette
- B-131 Decorative and Sculptural Ironwork Meilach
- B-132 Heat Treatment Selection - Tool Steel Bryson
- B-133 Locks of Iran Avoli/Wertime
- B-134 Build Your Own Hydraulic Press Batson
- B-135 Nature and Art of Workmanship Pye
- B-136 Tales of The Blacksmith Donation/ D. Nelson
- B-137 Fireplace Accessories Meilach
- B-138 Enseignes, Heutoirs, Serrures (Museum Iron Pieces) Musee Rouen
- B-139 Gas Burners Porter
- B-140 Pattern Book For The Artist Blacksmith - Repousse Metzger
- B-141 Lives Shaped By Steel Zastrow
- B-142 A Blacksmiths Craft - The Legacy of F. Whitaker Vol. 1 Dixon

NWBA Library Video List

- V-1 Samuel Yellin's Legacy Heritage Foundation
- V-2 Knife Making-Cable Damascus W. Goddard
- V-3A Basic Blacksmithing 1 House
- V-3B Basic Blacksmithing 2 House
- V-4A Forging Damascus Dagger J. Hirsoulas
- V-4B How to Create Pattern Welded Blades J. Hirsoulas
- V-5 Power Hammer Forging (5 tape series) C. Ralph ("a")
- V-6 Finishing and Detailing P. Thorne
- V-7 Box and Poz Tongs J. Culberson
- V-8 Repousee and Scroll Work N. Hersom & J. Culberson
- V-9 Fold Forming Metal C. Lewton/Brain
- V-10 Euro Techniques Willem Yonkers
- V-11 Japanese Blades & Bowl Raising W. Yonkers & Jeffery Funk
- V-12 Forging Damascus Steel Kim Thomas(funky, but interesting)
- V-13 Basic Blacksmithing Course (2 tape series-5+ hours-covers firebuilding to forge welding) Robb Gunter ("b")
- V-14 Patinating Steel Ron Young
- V-15 Mokume Gane Steve Midgett ("c")
- V-16 Sculpting with Welding Hunter Herman
- V-17 Straight Stair Railing L. Hughes (noma)
- V-18 "Almost" Last Word in Finishes L. Hughes (noma)
- V-19 Power Hammer Cycle (tuning a mechanical hammer) David Manzer
- V-20 Curved Stair Rail Fabrication Jack Klahm (noma)
- V-21 Forging Bird in Sheet Stock Mark Asprey
- V-22 HYDRAULIC PRESS DEMONSTRATION - NWBA FALL,2003 P.THORNE
- V-23 POWER HAMMER DEMONSTRATION - NWBA FALL,2003 (5 DVD'S) J.HARLE
- V-24 REPOUSSE -FORGING AND TOOLING DVD J.HENDERSON
- V-25 THE ART OF SPUR MAKING CHEANEY
- V-26 ELIZABETH BRIM DEMONSTRATION - NWBA FALL,2002 NWBA
- V-27 FORGING AND WELDING WROUGHT IRON - SPRING, 2004 D.TUTHILL
- V-28 JAPANESE STYLE KNIFE AND TOOL MAKING - NWBA SPRING,2004 (3 DVD'S) A.KARTMAZOF
- V-29 JOUKO NIEMINAN AND JARMO ANTILA DEMONSTRATION - NWBA SPRING,2004 DVD NWBA

NWBA Library Pamphlet List

- B-11* Blacksmithing J. Drew
- B-12* Blacksmithing for the Home Craftsman J. Pehoski
- B-13* How to Make a Blacksmith Bellows R. Heath
- B-15* Machine Forging Lindsay Pub.
- B-16* Machine Blacksmithing Lindsay Pub.
- B-17* (Power) Hammer Work Lindsay Pub.
- B-18* Drop Forging Lindsay Pub.
- B-19* The Big Hammer Bituminous Bits
- B-20* Treadle Hammer Tools/Operation Bituminous Bits
- B-21* Plans for the Modified Treadle Hammer H. Peot
- B-22* Plans for the Simple Air Hammer R. Kinyon
- B-25* Heat Treatment and Properties of Iron & Steel US Gov't. Nat'l. Bureau of Standards
- B-26* Hammers Blow 1/1 thru 4/1 ABANA
- B-27* Copper Candle Cups/Tools & Techniques G. Chapman
- B-28* Early Ironware E. Smith
- B-29* Early Tools & Equipment E. Smith
- B-49* Guide to Tool Steels-Composition & Trade Names Supplier/Manufacturer
- B-71* Best of the Bits (Collection of "How To's") vol. one Alabama Forge
- B-72* Best of the Bits (collection of "How To's") vol. two Alabama Forge
- B-81* Basic Bladesmithing Information W. Goddard
- B-82* Penny Knife - Tools & Techniques to Make a Colonial Style Folding Knife G. Chapman
- B-83* Little Ugliers. Tools & Techniques - Show & Tell G. Chapman
- B-103* Weathervanes - Past and Presen P. Mockridge
- B-122* PLANS/DRAWINGS FOR RECUPERATIVE GAS FORGE ABANA Publication
- B-123* Plans for Pattern Cutout Device ABANA Publication

Book Review

by Tim Middaugh

The Backyard Blacksmith

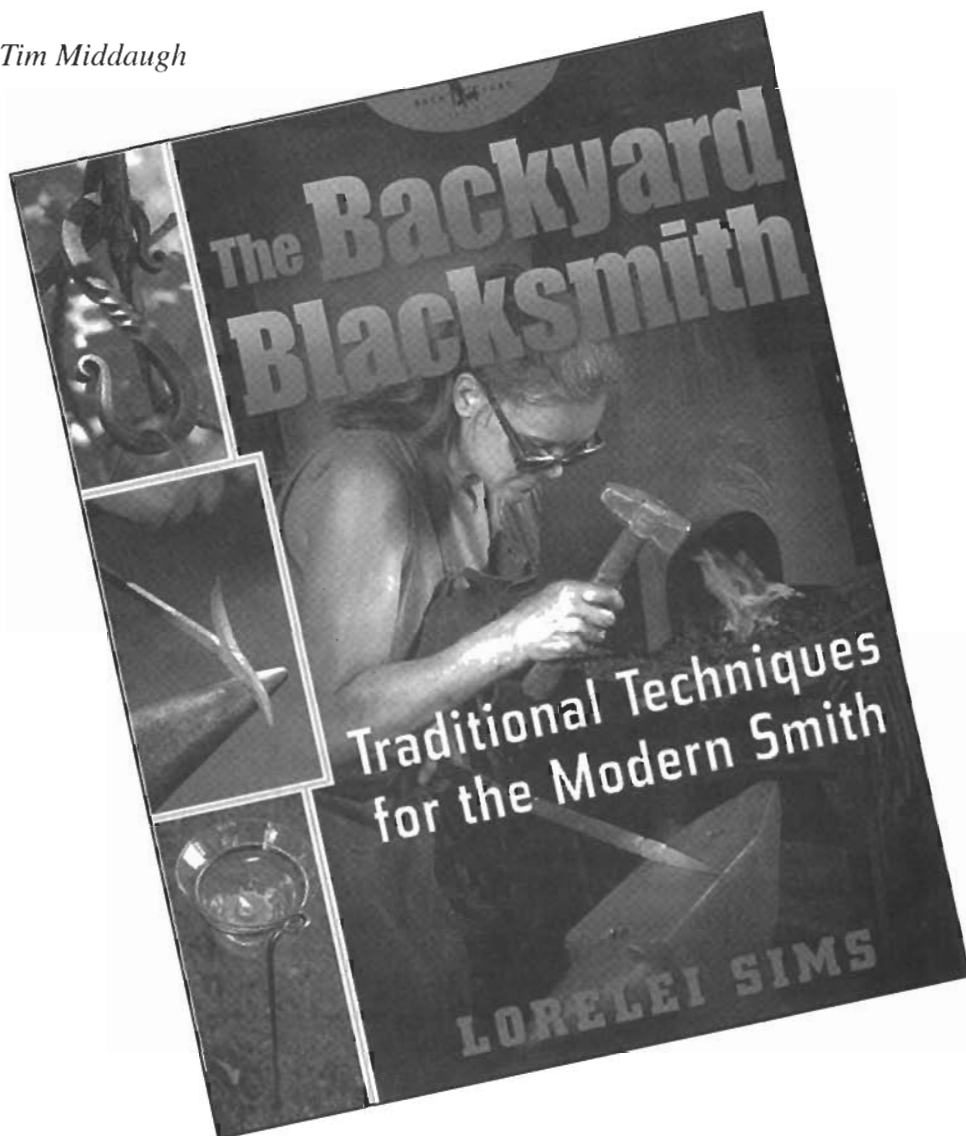
In *The Backyard Blacksmith - Traditional Techniques for the Modern Smith*, Lorelei Sims states "Taking the mystery out of blacksmithing does not take the magic out of the craft. When you understand how the metal moves, and how to control the metal movement, you gain the knowledge, which enhances the magic."

At the ABANA conference in Seattle I had a chance to visit with Lorelei, and discuss how she accomplished this in her beautifully illustrated new book.

We went on to trade stories that supported the notion that "the more you learn about this craft, the more there is to learn." Her book is geared for the newcomer to this craft. It is broken down into three sections: "Getting your Feet Wet," "Getting your Hands Dirty," and "Getting in the Groove."

The first section includes an excellent introduction to smithing, gathering tools and equipment and "what is iron." Section Two includes such titles as "Tool Usage, and Forging Techniques, Forge Welding and Other Assemblage Techniques, and Making Your Own Tooling."

There is a bit of backyard Blacksmith in all of us. Now or at one time we were all struggling with questions such as how do I set up my first shop? Then where do I go from here? What kind of tooling should I attempt to make or acquire? Now that I have some skills, what are some worthy



The Backyard Blacksmith: Traditional Techniques for the Modern Smith

By Lorelei Sims

Quarry Books, June 2006

\$24.99 paperback

ISBN: 1-59253-251-9

176 pages

250 color photographs

projects that would hold my attention? Lorelei answers these questions and many more systematically and succinctly with the aid of several diagrams and some 290 color photographs.

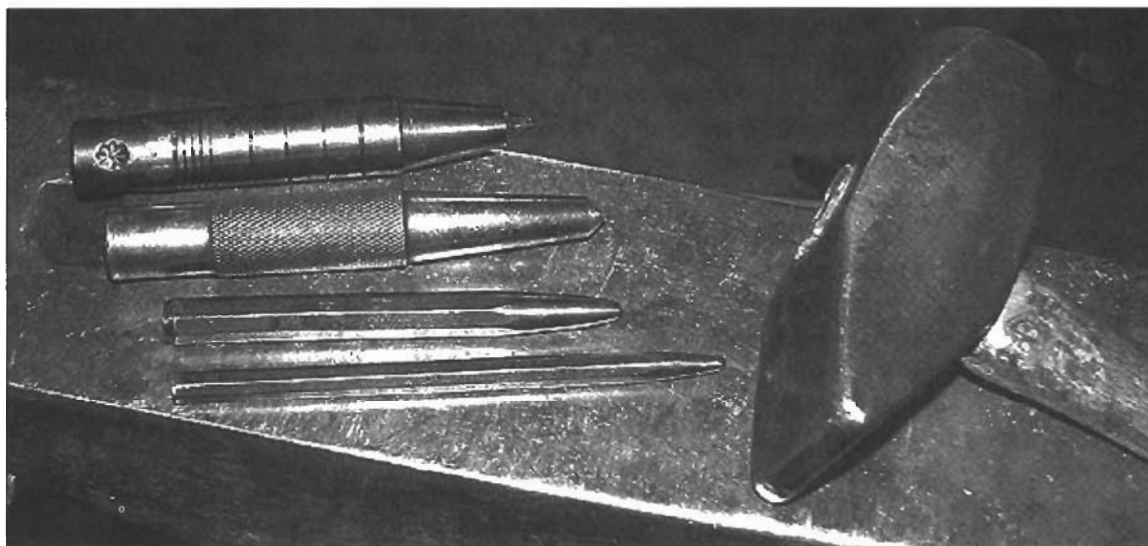
The last section is 40 pages of "how-to's" with step-by-step instructions and color photos. While there is no substitute for

spending time at the anvil either alone or with a more experienced smith, good blacksmithing books have their place. The place for this very good book is on the night stand of anyone who is thinking about or in the process of setting up their own well-equipped home blacksmith shop.

Shop Tips

A thick, stubby center punch

by Gene Chapman



Thinner punches have a way of shooting across the shop once in a while.

I was center punching some stuff today and thought about a center punch made from O1 precision ground flat stock that was specifically made for my work bench.

I have a stubby punch a bit less in size that was bought with a bunch of millwright tools along with a 25# Little Giant years ago. Always liked that punch.

The thinner punches have a way of shooting across the shop once in a while, not so with the

stubby thicker punches.

Should have never sold that hammer, that's another story.

Anyway, made a thick, stubby centerpunch on the lathe from O1, turned a couple of decorative lines, two touchmarks, quenched in warm oil, tempered the business end purple. Dang that's a good bench punch, sharper in angle than the top one.

Announcements

Tools for the shop, garden and more

Sheldon Browder, colonial Williamsburg Blacksmith at Fort Vancouver, Vancouver, WA 10-12 November, 2006.

Fort Vancouver Crafts Guild support the blacksmith and other crafts shops at Fort Vancouver national Historic Site. Historic items tend to be very utilitarian in nature. To quote Donald Streeter, we strive "to make common things uncommonly well."

A socketed wood chisel is just one of the items to be demonstrated. If you have a small shop and are interested in maximizing the quality of your work this is the workshop for you. If you are just starting out this is the workshop for you. If you have been at it awhile and need to refresh your methods this is the workshop for you.

Sheldon will be teaching the proper use of the hammer and anvil with a minimum of jigs and fixtures. It is a system that you can translate in to all your work and methodology. Come join the fun and learn with us! \$20 per day and one time charge of \$10.00 to join the Guild for non members.

Contact Ike Bay, 503-645-2790 or dasbayhaus@worldnet.att.net.

Sheldon Browder

Born in Wallace, North Carolina, Sheldon Browder grew up and worked as a youth in a family hardware store and welding business.

Using an old anvil from that business and a rivet forge Browder, in later years, began makin simple fireplace tools when the wood stove craze came along in the early '80s.

He later worked with Peter Ross in the Anderson Shop in Williamsburg, where he continues to pound hot iron.

Announcements

Gallery Wanted

Gallery in Seattle seeking metal artists interested in showing their art-
Gallery is dedicated to the works of the Disabled/ handicapped artist.

contact: Rodney Herold
3317 S. Hanford St.
Seattle, Wa. 98144
206-721-3921

Get it Hot and Hit it Hard at Old West Forge

In this intensive four-day workshop we will study heat treating, punching, drifting, tapering, drawing out, riveting, scrolls, leaf making, and more. Students will forge a variety of forms using traditional techniques.

All tools, materials, and well-equipped student work stations are provided. The curriculum is a series of demonstrations at the instructors anvil followed by immediate hands on work. This class is designed for beginners who would like to get started right and those with some forging experience seeking a solid foundation in this craft.

Date: October 27, 28, 29, 30
Place: Old West Forge
White Salmon, Washington
Cost: \$425

We are located 70 miles east of Portland in the beautiful Columbia River Gorge region. Space is limited. Register early.

To secure your space send a \$200 non-refundable deposit payable to, Old West Forge, PO BOX 2105 White Salmon, WA 98672.

For additional details contact Tim Middaugh at (509) 493-4418 or tim@oldwestforge.com.

Basic Workshops

Basic Blacksmithing Workshops at Earth, Wind, Fire and Ice Forge.

New Format for the Fall 2006-Spring 2007 workshops.

Classes run 8:30 a.m. to 6:00 p.m. Saturday and Sunday.

Learn basic tooling, metallurgy, shop layout as you develop forging skills to produce a number of items to take home (your shop notes in iron).

Fee of \$200.00 is all inclusive for the weekend

Prospectus and more information from:

Don Kemper
20100 N.W. 61st ave.
Ridgefield, Wa. 98642
360-887-3903

28th Annual Blade Show West

Seminars include:

How to forge a knife
Best blade possible of 52100
Saga of Brutus – an axe/gun with damascus barrel and blade
Pattern development in mosaic damascus
Making a carved folder
Sharpening
Flint knapped knife
Sword design, heat treatment & use

This is the second show since the location was moved up from Calif last year.

This growing event offers a great deal to the visitor interested in all things that cut.

www.bladeshowsouthwest.com for more details or see the Oct 2006 issue of Blade magazine, on sale now.

Oregon's own Wayne Goddard will be teaching and selling knives/books.

Be there or be square!

Reinvest your knowledge in the NWBA

Serve as an instructor in the "Hands on Classes" at future NWBA conferences. Your instruction should be "self contained" to fit into a two hour time slot. Or, if you can recommend an instructor, please contact Tim Middaugh, education chairman @ (509) 493-4418 or tim@oldwestforge.com.

Blacksmith Checklist:

Square Head Lags
1/4" to 5/8"

Square Head Machine Bolts
1/4" to 3/8"

Square Nuts
1/4" to 3/4"

Black Carriage Bolts, 1/4"

Iron Tire Bolts
3/16" to 3/8"

Plow Bolts, 5/8"

Step Bolts, 3/8"

**Tin Shot, for
Quenching or
Tinning**

Beeswax
1 lb. Blocks

Zinc Strip
6" x 0.018

Get all these and more from:

www.naven

restoration.com

From the editor

The view from the former Sand Point Naval Air Station, site of the ABANA Seattle 2006 Conference this past July, across Lake Washington is stunning. Emerald hillsides, sapphire skies, the ice-blue topaz surface of the lake.

Jewel references are apt. The Pacific Northwest is one of the last, rarest, most precious natural habitats left in the country.

We may have made a mistake inviting all those flatlanders out for a glorious summer weekend. They'll return to the Midwest, south and east converts. We're likely to see them return soon, hopefully bringing all their blacksmith equipment and adding to the second impression conference visitors left with, that this really is the center of some of

the best blacksmithing in the country.

Pulled a little harder to get this issue out. It's summer and people are a little harder to contact, a little less interested or willing to spend the desk time necessary to put something together to send to the Hot Iron News.

Thanks to Jeff Holtby, who reminded me that he had given me some copy and a disc over a year ago at the first conference I attended in Corvallis. Sure enough, there it was in one of the pockets of my photo vest.

Hey, it's not ice sculpture, it's iron. It lasts forever. Jeff's work looks as good today as the day he gave the information to me, the day he finished each piece. Anyway, glad I found it for the one edition a year that's a little more difficult to fill.

Spread the love to Gene Chapman for his photos and observations from the ABANA Conference, to Terry Carson for his article on the blacksmith's festival in Ukraine, for Jake James and Ike Bay and Tim Middaugh and John Adolph and all the others who contributed to this edition. Don't see your name above? Plenty of time for you to contribute an article for the next HIN.

Your writing or photography skills don't have to be beyond the norm of your average anvil basher. Send me what you have or let me know what you think is worth reporting and I'll do the rest.

Jim Almy
1531 N. Prospect St.
Tacoma, WA 98406
253-879-8455
jma66mn@thewiredcity.net

Classifieds

Buffalo Forge

"Buffalo Forge Model 300 Blower with 4 legged stand. \$100 208-757-2667"

Coal

Pocahuntas Blacksmith Coal from West Virginia. 14,000 BTU. 6% Ash. coking button 7. Semi loads only. Call for pricing, Roy, 970-858-7558

Anvils

•The one-and-only Blackjack Ketchum 500

•World's first Anvil to have 1&1/8 hexagonal and 1&1/4 square hardy holes

•Drilled and reamed precision holes for dowel pins

•500 American-made LBS of cast 8630 alloy steel

For more information or to place an order, contact Kris Ketchum at 360-658-0803

Postdrill & Jawleg Vise

I found you from the ABANA web site. I no longer smith & have a large post drill & 5.5"-jaw leg vise for sale. Both are in very good condition, including the thread of the vise. The post drill is about 43" overall length; the leg vise is 41" OAL. The vise is \$250; the post drill is \$150 (US \$). They would be shipped from Bismarck, ND. The money from these items goes into an educational trust fund for the sons of my partner, Kirt, who went to the spirit world suddenly, very recently. They will have nothing without this trust I have set up for them. Thank you for your help for Kirt's boys. Carol Two Eagle odd_couple_kc@yahoo.com

For sale: Anvils, post vises, swage blocks, anvil repair, tool steel, coal forge, Bill Apple, 360-876-8405

For Sale: 50lb. Little Giant, anvils, 4 to 6 inch post vises, tumbler, picket-twister, heavy-duty carbide dry-cut saw (water cooled), 55 ton press, two large gas forges (three and five burner), some coal forges, tongs and misc. other stuff. Bob Watts, Spokane, 509-922-5969.

Hot Iron News

Classifieds are free!

Articles are invited — email (ideally by copying your text onto the email), jpeg your art, send original articles and pics. Let me know about stories.

DEADLINES

May 15, Aug. 1, Nov. 1, Feb. 15
(Sooner is always better than later)



Alien Seed Pods
Jake James

Jake will be teaching at the NWBA Fall Conference, Oct. 13-15, St Helens, Oregon

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