

Hot Iron News



A publication of the Northwest Blacksmith Association Fourth Quarter, 2005



Fall Conference Gallery pieces by Bruce
Crittenden and Renato Muskovic

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Welcome new and renewing members!

Dylan Anderson	Erica Gordon	Amy Pieh
Bruce Bolding	Bob Graham	Jack Ritter
Robert Bower	Jim Griswold	Brian Ross
Steve Bryant	Dave Halliday	Matt Sabo
Robert W.	Neil Harrigan	Grant Sarver
Carrigg	Douglas Hilty	Nathan Seward
Annie Carson	Erica Hinderlie	Gary Sheets
John de Wit	Fred Holder	Rob Sumers
George Dooley	Karen Howell	Thomas Taranowski
John Emmerling	Allen Jett	Bart Turner
Kevin Foster	Richard Johnson	John Wachter
Leah Garrard	Larry Langdon	Bruce Weakly
Richard	Darren Mason	Bruce Wickler
Gathmann	David Meyers	Tony Wikrent
Kelly Gilliam	Jim Moore	Michael L Wilt
Andy Gladish	Brad Nowak	

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Finance and Budget: Ken Williams, Chair; Kris Ketchum
Member Services: Torvald Sorenson, Chair; Renato Muskovic
Conferences/Events: David Lisch, Chair; Jorgen Harle

Ad Hoc Committee:

Bylaws: Ina Culberson

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Grants: David Lisch
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Club Storage/Trailers: Jorgen Harle
Archives: Jack Slack, anvil@nwlinc.com
Insurance: Ina Culberson
Website: Grant Sarver, nakedanvil@netzero.net
Webmaster: Darrell Gehlsen,
darrell67@machinemaster.com

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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:

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

MEETING ANNOUNCEMENTS

Board of Directors

Board meeting Saturday, January 14, at the Seattle Public Library, Main Branch in downtown Seattle. Meeting will begin at 11a.m. and end at about 4 p.m.

Carson's Comments

A message from the president

Dear Northwest Blacksmith Association Members

With 2005 nearing its end, Northwest Blacksmith Association members still have a few things left to do. Please read and vote on the proposed by-laws and also vote in the election for the board of directors. A stronger vote equates to a healthier organization.

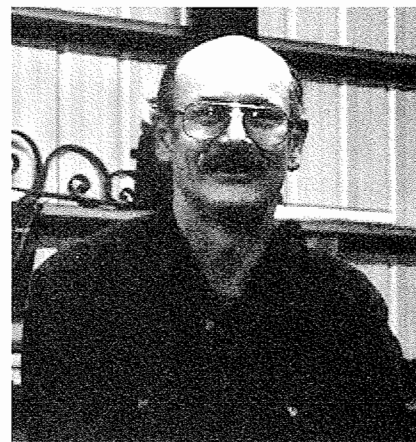
Many thanks to the current board members, Jorgen Harle, Dave Lisch, Torvald Sorenson and Jerry Zygmuntowicz who have decided not to run for re-election and to Ina Culberson and Ken Williams who have agreed to rerun in this election. All of you have done outstanding work. While not always an easy journey, there were many accomplishments and the support of the membership was unfaltering.

It is gratifying when you, the membership, were asked to step up and be nominated by the board, we received the largest slate of candidates in my recollection. With this level of enthusiasm the NWBA will be viable for years to come. Again, many thanks to all.

Those of you who attended the fall conference know what a good time we all had. Jorgen Harle, Dave Lisch and Ken Williams did an excellent job of organizing. The John Adolph and Steve Lopes team demos were great fun and we all learned something. Louie Raffloer's and Jerry Henderson's repousse hands-on demos remained popular hangouts with many proud participants showing off their results.

The steam engine and power hammer site, courtesy of Elton Hannerson with Frank and Adair Orr, was an exciting addition. As always, participants learned a lot at the teaching stations, thanks to Matt Sabo, Bill Apple and Lauren Osmolski.

The vendors, Tony with his great book selection, Amy Pieh with Pieh Tools, Bob Graham of Anyang Hammers and Grant Sarver also



added to the enjoyment. Of course, the visit on Saturday by Russell and Willene Jaqua was a treasure for all of us, especially those who know how much Russell put into our organization over the years. Thank you so much for the visit.

I appreciate that with a little prodding, the membership approved a dues increase starting in 2006. This allows us to continue to grow. Remember, dues are paid on the calendar year, January through December. If you don't want to miss any issues of the *Hot Iron News* be sure to pay your dues on time.

The spring conference will be held April 21 through April 23 (Friday-Sunday) in Monroe, Washington at the fairgrounds. Renato Muskovic and Kris Ketchum are the organizers and have arranged for some great demos and workshops that will be held both before and after the conference. Sign up soon as there is limited space in the workshops. Details will be in the next issue of the *Hot Iron News*.

Our January board of directors meeting will be held at the main Seattle Public Library in downtown Seattle on Saturday, January 14. We will start at 11 a.m. and end the meeting around 4 p.m. or before, if possible.

I hope everyone has a safe and happy holiday season. Maybe if you've been good, i.e., voted in the NWBA elections, Santa will leave a large lump of coal -- bituminous -- in your stocking.

Comments from the Members

A picket (or a hundred) for Ma and Pa Brandon

Dear Members of the NWBA,

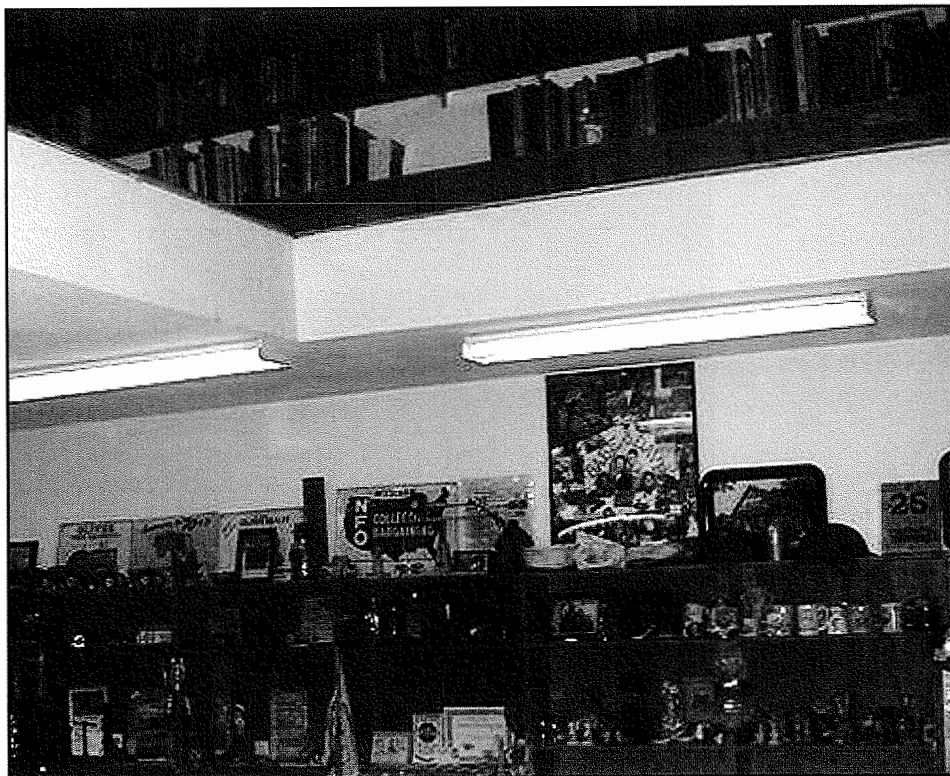
We want to share an e-mail from Dave and Babe Brandon's son Stan (see below). We also talked with Babe on the phone. They are doing fine but need some assistance from the NWBA blacksmiths with a special project. Let's all rally behind Stan and shower our Pa and Ma Brandon with NWBA love. Jerry and Ina Culberson

Hi Jerry & Ina Culberson,

My name is Stan Brandon, son of Dave and Babe.

As you are all of aware, Mom and Dad built an addition on the house here in Illinois. Part of the addition is comprised of a

**If you fall,
blame it on
gravity.**



museum on the lower level and a library on the upper level. The floor of the library has two openings, one roughly 10 x 6 and the other 8 x 6.

Dad has been planning to build railings for the openings, but I am sure you also remember his proclivity to be pulled in other directions, to help others.

Let me just say that the railing is not getting finished, actually hardly started and Mother is getting antsy. She was recently diagnosed with a tumor close to her right inner ear, non-malignant, that has not only caused that ear to be deaf, but it is also upsetting her balance. She can no longer really enjoy the library because of a fear of falling through the openings, and she will not let

A library full of originals and just needing some iron pickets for a railing.

Comments from the Members

anyone else go up there either.

The smiths that have been attending the hammer-ins at the farm for the last two years have volunteered to make some of the pickets, over 100 are required, and personalize them, for Mom and Dad. I have seen the pictures of the pickets that the smiths from out west did for you, Jerry, and thought that maybe they would like to be included in this endeavor.

The dimensions for the pickets: 27" max height between tenons, with 1/2 tenons at least 1/2" length and a max of 8" wide. Dad has been using 7/8 stock, but anything falling within the above stated dimensions would be fine.

He needs over 100, so if anyone would feel the need to produce more than one, that would be fine also.

I have also talked with Mother and anyone thinking of possibly hand delivering the pickets would be great. If you or others would be interested in attending a hammer-in, they can contact me through my email, snail mail or phone. I am thinking of sometime around February or March.

The hammer-in is held every third Sunday of the month. Please spread the word far and wide, see how many participants we can get so Mother can get her railing finished and Dad can get out of the 'Dog House'.

Stan Brandon

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Waiting for a better time

Dear Members,

While I am grateful and appreciative for the nomination to the NWBA board, I must respectfully decline at the present time.

Should the nomination occur in the future, I will be more than ready to serve our organization.

It is my belief that the current board members have done an outstanding job under less than desirable circumstances, and are leaving

the NWBA a more viable organization. I support and applaud their efforts.

It is imperative to remember that our goal is the education, promotion and continuing heritage of blacksmithing. The discord and attempted division of the NWBA by a selfish, disgruntled member and the complacency and lack of support by the ABANA board served only to make us a stronger and more unified organization.

I am certain that those newly elected to the board will continue the path of their predecessors.

I urge all members to take part in the NWBA and vote in this election.

Thank You,
John Emmerling

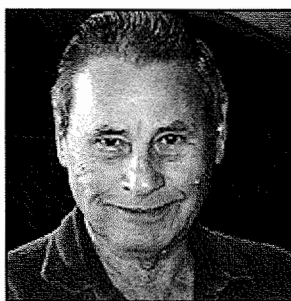


Orion Dawson, first blacksmith to work on Timberline Lodge during its construction in the 1930s. See Lauren Osmolski's article on page 12.

Clyde Caldwell **Mt Vernon, WA**

In 1970 at the age of 40 I attended the Farrier School at Oregon State University. After Graduation I worked that trade for the next 32 years. During that time I served on the Board of Directors of the Farriers Assoc. of WA. many times. I also served on the Board of Directors for the Brotherhood of Working Farriers Association, a national organization. Another national organization was the Guild of Professional Farriers, of which I am a founding member. I served on that Board of Directors as well as being a regional representative. I retired from the farrier trade in 2002

I have supported the N.W.B.A. since its beginning and will continue to do so, it's a great organization. I feel that some programs or guidelines need to be in place to insure the longevity of the organization. If a program can't take on a life of it's own then it will fail. We need programs that will live beyond us. Having a history of working on various



boards over the years gives me the confidence and ability to lead the N.W.B.A. to a life beyond us.

I'm sure some of you will get out your pencil and calculate how many times I have journeyed around the sun. Age is a matter of mind over matter - if you don't mind it don't matter.

Vote for leadership with a vision.

Clyde Caldwell

Candidates for NWBA Board, 2006-2007

Look for your ballot in the mail and please return before year's end.

Ina Culberson **Allyn, WA**

I am running for re-election to the NWBA Board as I have a vision and desire for continuing the momentum the Board began this year. As Vice-President I've been a driving force for the Reorganization, Restructuring and Revitalization for the organization this past year. We have a strong beginning; there is much more to do.

I have chaired the Bylaws Committee (the bylaws are now ready for adoption by the membership). Managing the Publications and Communications Committee, I have been resourceful in bringing members onto committees which, in turn, have moved forward. The changes in the newsletter and the updated website speak for themselves. And I'm so excited about the Archives Committee progress and its vision for the future that I dance with delight. Working with members



of this organization to make things happen is fun, rewarding and lots of work.

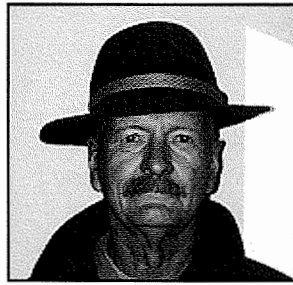
I am committed to building on what has been started. My focus for another term is continuous improvement with the *Hot Iron News*, overseeing the development of a Policies and Procedures Manual, providing an updated Resources Manual for members, and broadening our membership base. I ask for your vote and support as together we build our future.

Ina Culberson

Dave Davelaar Anacortes, WA

The fall conference at Mt. Vernon served to remind and reinforce. After helping set up on Thursday and tear down on Sunday while attending in between, I am totally hooked on the comradery and friendships that I have formed through the NWBA. This is most evident in the open and generous sharing that envelops this body of men and women who have in common their love and enthusiasm for hot metal. When I work with the present officers and directors who give so totally to the craft and of themselves, something inside says that this is a group of which I am glad to be a part and parcel.

As an active member in my church I recognize that the key things needed to keep an organization energized is not only hardworking volunteers willingly investing their time, but also members serving on committees identifying and supporting needed programs, and most importantly new, young members. I would like to see a program develop bringing our craft to high school age students, and maybe developing a



new membership class known as Junior, with reduced fees. Another useful tool for membership development might be a brochure explaining the NWBA and its goals. Perhaps this could be available on the website, where it could be downloaded, copied and handed out at demonstrations, sales and other events outside of the NWBA.

It is my hope that as an independent businessman for most of my adult life, now retired, that I can lend some of my administrative and people skills for the good of the NWBA. This group has given me so much and I am ready and willing to give back. Thank you.

Dave Davelaar

Candidates for NWBA Board, 2006-2007

Look for your ballot in the mail and please return before year's end.

Mark D. Eschbach Tacoma, WA

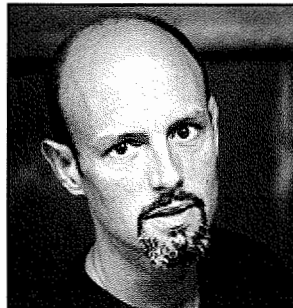
I appreciate my nomination for election to the board of directors for the NWBA

I am a hobbyist blacksmith and have been a member of the NWBA and ABANA for 9 years.

I have been involved in the metal industries, including owning and operating a welding, fabrication and repair business since 1988.

I have been involved in various service type positions since the early 80's which included literature chairperson and other positions in which Robert's rules of order were used to oversee trusted servants and sub committees. I am particularly proud of my involvement with a satellite homeless men's shelter in which I served for 6 years and the last 3 years as director.

If elected to the board of directors, I would prefer to find where there is a good fit where I could best serve the board and the membership. I believe that

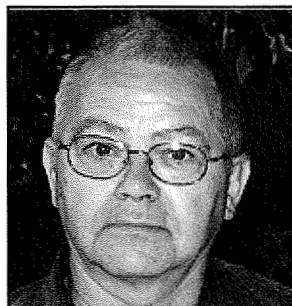


continuing to work on communication between the membership and the association is of the utmost importance. I am curious if there is interest in organized local hammer-ins, and how we can utilize the internet and website to more efficiently pass on information.

I am truly proud and appreciate all of the people who have volunteered and worked hard to make the NWBA what it is today, and if I am elected to the board of directors, I am looking forward to serving the association the best way possible.

Mark D. Eschbach

Darrell Gehlsen Rochester, WA



I am running for Board Member because I would like to help make this the number one blacksmithing association in the US.

I think we have a good start.

I am a hobbyist blacksmith and have been mostly involved with the 1840 re-inactors.

I have experience as a board member on two other non-profit organizations.

I am currently the web master for four web sites one of which is www.blacksmith.org.

I would appreciate your vote.

Darrell Gehlsen

Candidates for NWBA Board, 2006-2007

Look for your ballot in the mail and please return before year's end.

Tim Middaugh White Salmon, WA



For the past eight years I have been hammering in steady pursuit of the art and craft of blacksmithing. Currently, while retaining my "day job" as a general dentist, I own and operate Old West Forge, a one man shop in White Salmon, Washington. Here I produce custom work and a product line of hand forged items for home, hearth, and business.

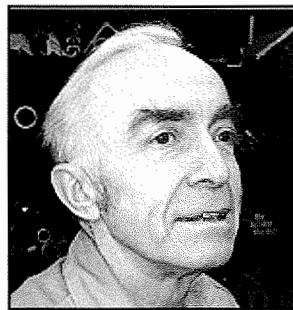
My driving force is two fold. First, to learn as much as I can and secondly, to preserve the craft by teaching it to others. I very much consider myself a student of this ancient and honorable craft. Typically I spend about 10 – 15 days per year in workshops improving my skills and about 30 days per year at my facility, teaching a series of intensive small workshops.

I look forward to serving on the board and taking my turn to help out as best I can.

Thank you for your consideration.

Tim Middaugh

Dick Naven Portland, OR



Dick Naven, after operating a welding/engineering business in upstate New York, moved to Portland in 1972, with his wife, Suzanne.

Working in construction eventually led to his current business, Naven Restoration Specialties, which he has operated since well before he joined the NWBA in 1994. Some of his portfolio may be viewed at his website, www.navenrestoration.com.

Dick currently serves on the NWBA Finance Committee, and it's Insurance Sub-committee, as well as the Communication Committee, where he has recently constructed the NWBA satellite website, www.hotironnewsarchives.com.

He has also authored some articles appearing in the *Hot Iron News*.

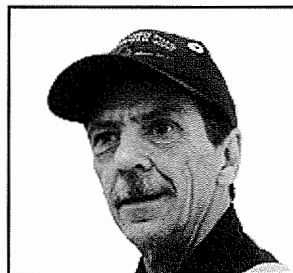
Dick has agreed to run for the Board of Directors because he sees a current shortage of NWBA Directors from Oregon.

Dick Naven

Candidates for NWBA Board, 2006-2007

Look for your ballot in the mail and please return before year's end.

Mike Neely Vancouver, WA



I have been a member of the NWBA for over six years. In that time I have enjoyed the many advantages offered to me as a member — conferences, grants, research material, and the chance to network with several hundred other members.

Accepting the nomination for the Board of Directors is my opportunity to give some time and energy back to the association.

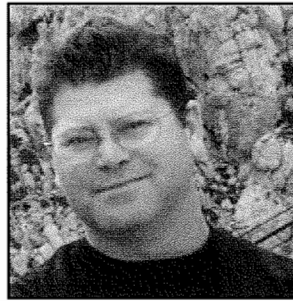
I believe that the NWBA is in good hands today and moving in the right direction. The reorganization of the association has been a huge job for board members. The work must continue and I think I have skills that would be helpful. I also believe that the NWBA should

be faithful to its original principals — to educate its members and the public in the art of blacksmithing.

If I am elected to the board of directors, I will do my best to carry on this effort.

Mike Neely

Christian Pointer Everett, WA



Hello, my name is Christian Pointer and I love working with metal.

I started forging metal several years ago, after a class at Pratt with Nick Lyle. The NWBA has been a huge help in my subsequent learning to forge, and eventually supporting decisions towards becoming a full time smith. I feel that in return, I should offer the organization some of my support. So I am running for the board.

I am currently very pleased with the progression and growth of our association throughout the recent troubles. And I'm grateful for the time and effort of those who have worked so hard. I feel we should all help shoulder the work of running the NWBA and carrying it into the future.

One change I'd like to see is to help our organization be more useable to everyone during the times between conferences. Smaller groups getting together for small volunteer work parties to benefit the association could also help each individual by working with smiths with different methods, or more experience. It could actually be fun too.

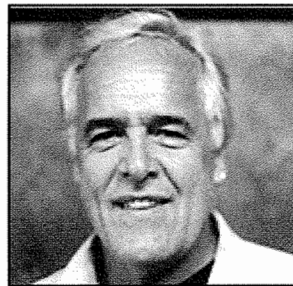
I hope that the web site can help do this.
Thank you for your consideration.

Christian Pointer

Candidates for NWBA Board, 2006-2007

Look for your ballot in the mail and please return before year's end.

Ken Williams Sedro-Woolley, WA



I have been your Treasurer for the past couple of years. As most of you know, it has been quite a journey for all of the Board members and the Organization as a whole.

When I accepted the nomination and your vote back then, I thought how difficult is it to write a few checks and make some deposits! There were a lot of things they didn't tell me when I hired on with this outfit. I have had the privilege of being a part of an amazing group of folks that have weathered stormy seas and come through intact. Today, our structure is on the verge of being brought into the 21st. century and the future looks very bright. I must admit though, without the help of a few financially savvy people, I would not have been able to present all of our information to you and the IRS in a clear and professional manner.

If you choose to renew your confidence in me

as your Treasurer, I will accept that responsibility until the waters are once again calm. The NWBA is a unique group of people from all walks of life and levels of talent. It has been a privilege to be a small part of your organization. Thank you,

Ken Williams

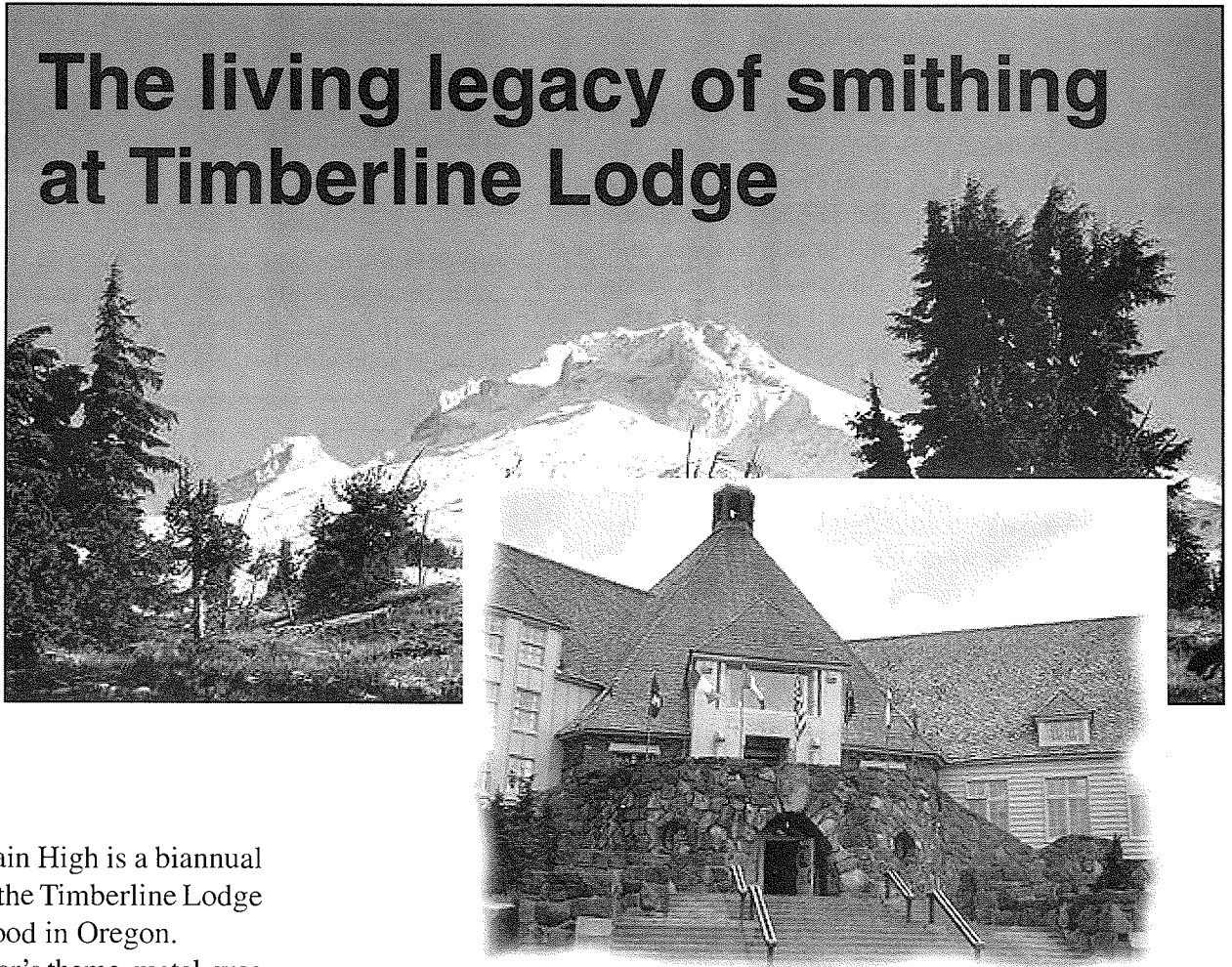
Mountain High XV, Metal 2

A gathering which honored northwest blacksmiths for their decades of craftsmanship. A history of the ironworking relationship between the NWBA and one of the grand old ladies of the Cascades, Timberline Lodge at Mount Hood in Oregon.

The living legacy of smithing at Timberline Lodge

story by
Lauren
Osmolski

photos by
Ina Culberson



Mountain High is a biannual exhibit held at the Timberline Lodge atop Mount Hood in Oregon.

This year's theme, metal, was the single, highlighted craft out of the many that have been instrumental in the building of the lodge.

The last time a Mountain High exhibit featured metal was in 1985.

The show this year was organized by Timberline Curator Linny Adamson and coordinated by Darryl Nelson, the third generation Timberline Blacksmith. It was invitational, open to the contemporary smiths who have participated in the building of commissioned ironwork for the lodge.

An impressive list of participants reflected a cross generational slice of the Northwest Blacksmith Association. Each was invited to present an example or two of their current work. Those pieces included sculpture, furniture, and other beautifully designed functional items such as lamps and clocks.

All were on display in the main room of the lodge, a huge space with vast, soaring ceilings and a massive, two story fireplace and chimney, all enclosing comfortable,

simply designed furniture. As large as the scale of the building, it feels quite cozy inside, probably due to the fact that everything in the surroundings was made by the hands of highly skilled artisans and craftspeople.

The lodge also was showing a concurrent exhibit on the first blacksmiths who worked on Timberline. Original blueprints, sample pieces and photos give visitors a window into worlds both old and new.

Timberline Lodge was built in the 1930s as a WPA (Works Progress Administration) project. All the furniture, the hardware, and even the curtains were created by hand. It truly is a wonderful place to visit. The scale of the scenery is breathtaking and the immense lodge, built of stone and enormous timbers, is inspiring.

Ironwork abounds throughout the building and is all handcrafted. Massive fireplaces, grilles, door hardware, light fixtures, and even the drawer pulls on the dressers in the guest rooms were individually made.

What a visitor might not be aware of is the vintage of all of this metal work, and that is intentional.

Much of what is to be seen at Timberline Lodge is the original work created and installed at the time of its construction by the first Timberline blacksmith, Orion Dawson. Establishing a tradition of many different smiths working on the same project, Dawson and his crew of smiths, young and old, set the bar high.

Every building is a living thing. Time passes and requirements change, additions are added, repairs are made and opportunities for new ironwork that will blend with the original present themselves regularly.

That is where this story begins.

Orion Dawson was the initial Timberline blacksmith in the thirties, but what is the connection between Timberline and the NWBA?

(continued on page 14)



Donee Deschler, Lisa Geertsen, Andy Blakeney, Marc Brown, Maria Cristalli, Lauren Osmolski, Vincent Gorjance.



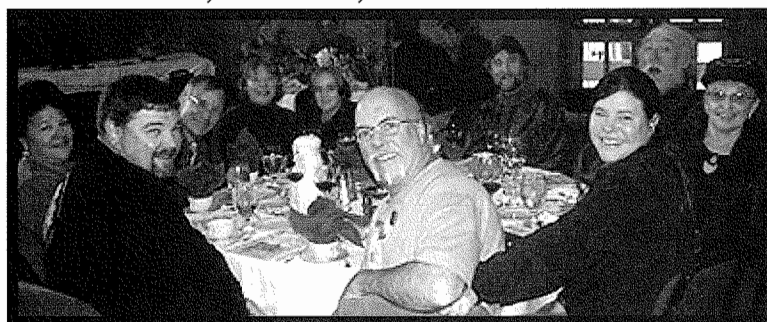
Terry & Louise Carson, Jerry & Debbie Zygmuntowicz, Kathy & Ike Bay, Linda & Joe Elliott, Susan & Darryl Nelson



Mr. & Mrs. "Friends of Timberline", Patrick Maher, Stephanie, Ethan, Erica Gordon, Don Kemper, Jr.



Daniel Stevens, Mike Neely, Dave Neely, Don Cowlits, Bob Race, Jim Garrett



Jeff & Nadine Sawyer, Jeff Holtby, Rebeca, Ellie and Dave Thompson, Jerry & Ina Culberson, Andrea & Dave Lisch

**The
NWBA
gathers
for lunch
in the
lodge**



Orion "OB" Dawson at about age 19. The date of the photo is unknown, but he was as likely to have ridden a horse to the forge as a car.

In the late seventies Russ Maugans was a commercial pilot for Eastern Airlines who flew the route between Atlanta, Georgia, and Portland, Oregon. Maugans was also a hobbyist blacksmith.

Flying over the mountains he would spot Timberline Lodge from the air. Curious, he drove up the mountain one day to see what the place was all about.

As anyone who has been there knows, the lodge is a mind

blowing experience for someone who loves ironwork.

Inspired to know more, Maugans met with Adamson, the lodge curator then and to this day. She filled him in on the history of the inn and told him about Orion Dawson, who was still alive and living in Florida.

Maugans tracked Dawson down and scheduled a meeting with him at an airport during a layover. The two hit it off. Eventually Maugans flew Dawson out west. The neophyte smith got a real education on Timberline ironwork.

What an opportunity for Maugans, a hobbyist, to end up meeting this incredible smith.

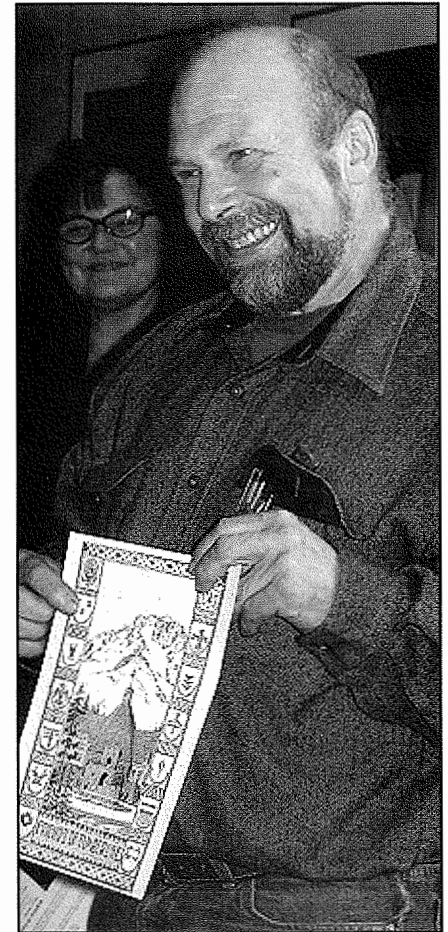
Maugans kept in touch with both the lodge and Dawson in hopes of getting some work. The first project offered him was to refinish a fire poker that had been found outside the lodge buried in the dirt. Maugans put a new finish on it and also prepared a replica of the poker to show that he had some skills.

His persistence led to some repair and restoration jobs at the lodge.

About the same time, 1980, Darryl Nelson was making the transition from being a full time farrier to becoming a blacksmith. He hosted the first open forge at Fire Mountain Forge in Eatonville, Washington. Maugans attended and met Nelson for the first time.

Their friendship brought opportunities for Nelson to help Maugans with the work he had cultivated at Timberline and would eventually open doors to opportunities for many other smiths.

In 1983 a tour of the lodge was organized to show other NWBA blacksmiths the Timberline ironwork. Two years later a now defunct blacksmithing conference called the



Third Generation Timberline Blacksmith Darryl Nelson holds a replica of the menu as presented to President Franklyn Roosevelt when he dedicated the inn (before it was completed) in the 1930's.

Western States Conference was held at the lodge. That gathering, held in the off year of the ABANA Conference, drew smiths from all over California and the Pacific Northwest. At the same time an NWBA conference was held at the lodge in conjunction with the fifth Mountain High exhibit, the first one to feature metal.

Maugans was now in his seventies and facing declining health. He had achieved recognition as the second official lodge blacksmith of Timberline. The "Friends of Timberline", a

non-profit group formed in the seventies to raise funds and to support the preservation of the lodge, needed a new gate at the lodge. Maugans called on his friends from the NWBA to assist in the project.

The gate was built in 1987 by Terry Carson, Russell Jaqua, Jerry Culberson and Nelson at Jaqua's shop in Port Townsend. That project brought in the next generation of smiths to carry on the spirit of Timberline.

Cascadian Style is a term created by the American Institute of Architects to describe the body of work housed at Timberline Lodge. It is unique to the Pacific Northwest. Careful consideration to design is inherent to all projects destined for Timberline in order to preserve the continuity of the Cascadian Style.

What an inspiring tradition we have as a group.

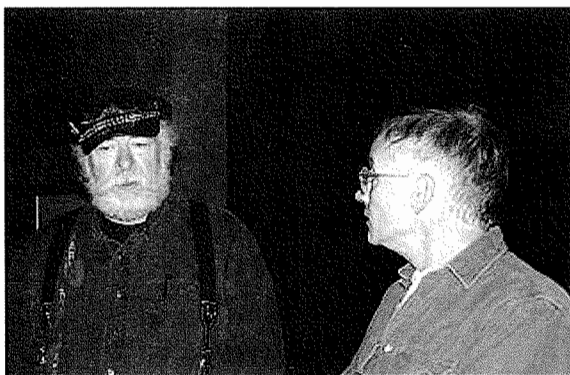
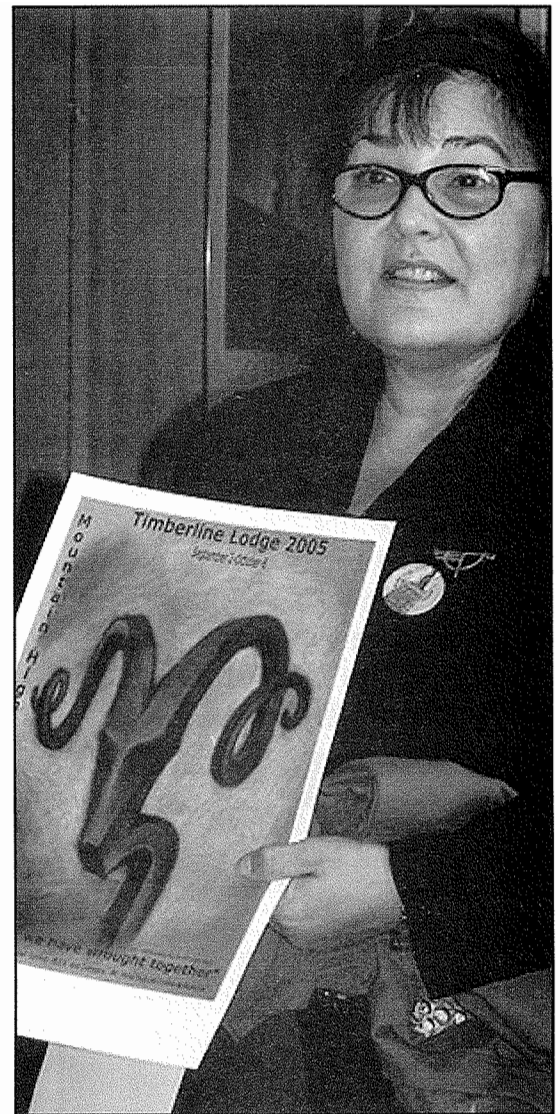
The persistence of a few has led to the success of many in bringing our flourishing craft to the

eyes of the public in places like Timberline Lodge, where each hand made piece of ironwork is an aspiration to excellence.

Participating smiths at Mountain High XV, Metal 2, in alphabetical order:

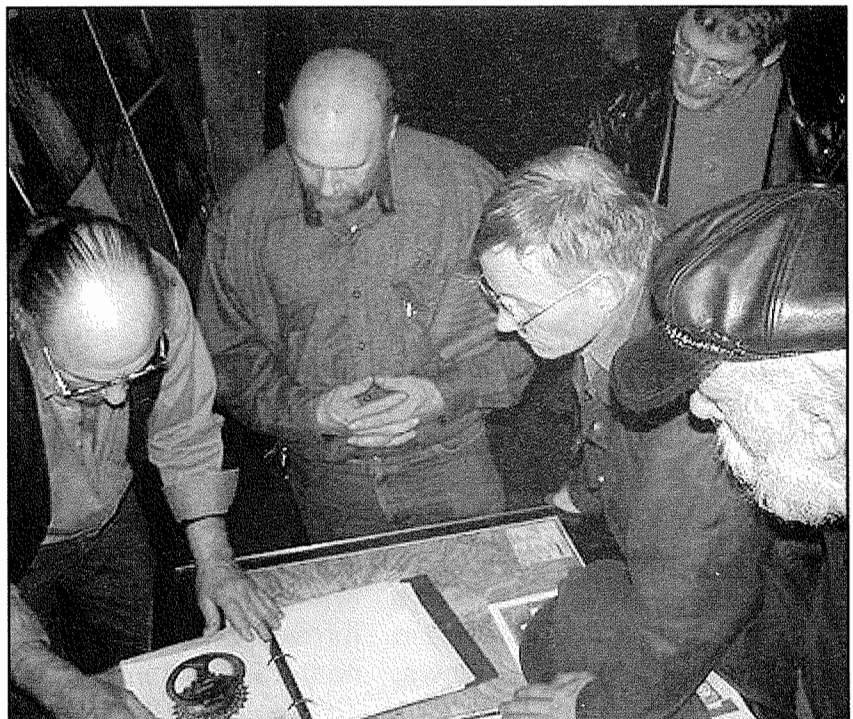
Phil Baldwin, Andy Blakeney, Terry Carson, Maria Cristalli, Jerry Culberson, Donee Deschler, Joe Elliot, Jim Garrett, Lisa Geertsen, Erica Gordon, Jeff Holtby, Japheth Howard, Alice James, Russell Jaqua, Don Kemper, Jr., Dave Lisch, Patrick Maher, Grayson Nance, Darryl Nelson, and Lauren Osmolski.

**Lodge Curator
Linny Adamson
holding the poster
promoting High
Mountain XV, Metal 2.**



Jerry Culberson and Jeff Holtby share a moment.

At right four smiths admire the drawings and work of Orion Dawson. From the left they are Daniel Stevens, Darryl Nelson, Jeff Holtby and Jerry Culberson.



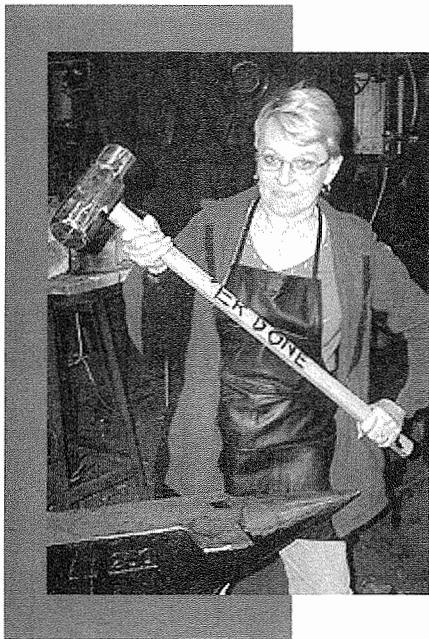
'Getting 'er Done'

by
Ina Culberson
NWBA Vice President

Reorganization Restructuring Revitalization

Wow! That was some conference in Mount Vernon, wasn't it? So much energy, so many activities, so many demonstrations to watch, so many friends to visit and new members to meet, so many things on which to spend one's money.

For the auction David Lisch donated a hammer, a big



hammer, and on the handle were the words "er done," meaning "Get 'er done!" I just had to have that hammer as a symbol for what we as an organization have accomplished this year. Allow me to share some of that with which I have been involved.

Getting 'er Done! The Bylaws: Done and published in this issue of the Hot Iron News.

The day after this issue was put in the mail, there was an envelope mailed to each member of record. In the envelope are two ballots: One to vote for approval or disapproval of the revised bylaws. The other ballot is your opportunity to elect five, two-year-term board members for 2006-07. Mark your ballots and mail them together to NWBA Secretary Torvald Sorenson, 58907 N 423 P.R. N.E., Benton City, WA 99320. Be sure they are postmarked by December 31, 2005.

Getting 'er Done! Financial Matters: Treasurer Ken Williams and his dedicated committee have been working the details—what a challenge! He is pleased to report that our IRS non-profit status has now been reinstated. Tax forms for the past five years have been submitted and we are meeting our obligations in this regard. And, a new bookkeeping system is in place, thanks to Dick Naven.

Getting 'er Done! Publications and Communications: The *Hot Iron News* is on a timely schedule and jam packed with information, articles and news of what's happening with your organization. Thank you, Editor Jim Almy, for taking the helm and working through with us as we begin our next 25-year history. Members,

thank you for your contributions. Keep them coming! This is your newsletter.

The website www.blacksmith.org is alive and well thanks to a committee that took the bull by the horns and mapped out a vision. Special thanks goes to webmaster Darrell Gehlsen for handling the details. Check it out! You can even pay your membership dues on-line now.

Speaking of dues, have you paid yours? You should have received a green flyer in the US mail regarding membership renewal. Dues for 2006 are \$40 US (\$45 out of country).

A satellite website and marketing opportunity, www.hotironnewsarchives.com, was launched in the early Fall. This site allows NWBA members the opportunity to purchase past issues of the *Hot Iron News*. If you're missing an issue or two in your collection, check here to see if it is still available. A big thank you goes to Dick Naven for making this happen.

Getting 'er Done! Archives: This is and has been my "cup of tea." Babe Brandon and I sat on the floor of my craft room many, many years ago manually logging and sketching (though neither of us has drawing skills) each piece of metal

collected from various blacksmiths' shops. When the Board decided that the Archives was too large and started a process to eliminate some items, several of us protested and asked the Board to establish a committee to save the Archives. The request was granted and funded. This committee is passionate, detail oriented, and respects every piece created. It is even high-tech now. You should see the database created by Pete Jones and Jack Slack. It is beyond my comprehension, but I've seen it work.

And there are even grander plans in the offing. Andrea Lisch and Rebecca Thompson are in the process of photographing each piece, which

in turn will be added to the database with its description, where it's located, etc. Look for the NWBA Archives showcase at the ABANA 2006 Conference. It is so very exciting.

There's nothing like raw data--the hand written copy with hand sketches is still maintained and is "the" source for verifying each item.

My thanks to each member who, when asked, has sketched some of the items in this notebook.

There are two committee members who know the Archives intimately as they unload, display, and then reload the pieces at every conference-- Jeff Sawyer and Gary Strausbaugh. These two work quietly behind the

scenes, they are dependable, and they will do anything asked of them--archives and otherwise. When you see these guys at a conference going about their tasks, please give them a special "thank you."

Getting 'er Done!
Membership: You, the members, are the lifeline of this organization. Along with fellow Board members, I thank you for your physical, financial and emotional support during this past year. It has been a rough one, lots of hard work, and we're getting 'er done. I'm sure the upcoming board will carry forward on that which together we have wrought.

Happy Holidays to each and every one of you.

Membership payments can now be made online

Dick Naven plugs us more deeply into the electronic age

You can now pay for your NWBA membership online; and you may do so at either NWBA website, **www.blacksmith.org**, or **www.hotironnewsarchives.com**. We will still continue to send out

dues reminders to members at the end of the year, and you are still welcome to send in your payment by US Mail, but for your convenience, you can also pay over the internet.

We are now using a PayPal

system for memberships and renewals on both websites, and for back issues of the *Hot Iron News* at **www.hotironnewsarchives.com**, too. We accept all major credit cards through PayPal; a PayPal account is not necessary.

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 _____

Address _____

City _____ State _____ Zip _____

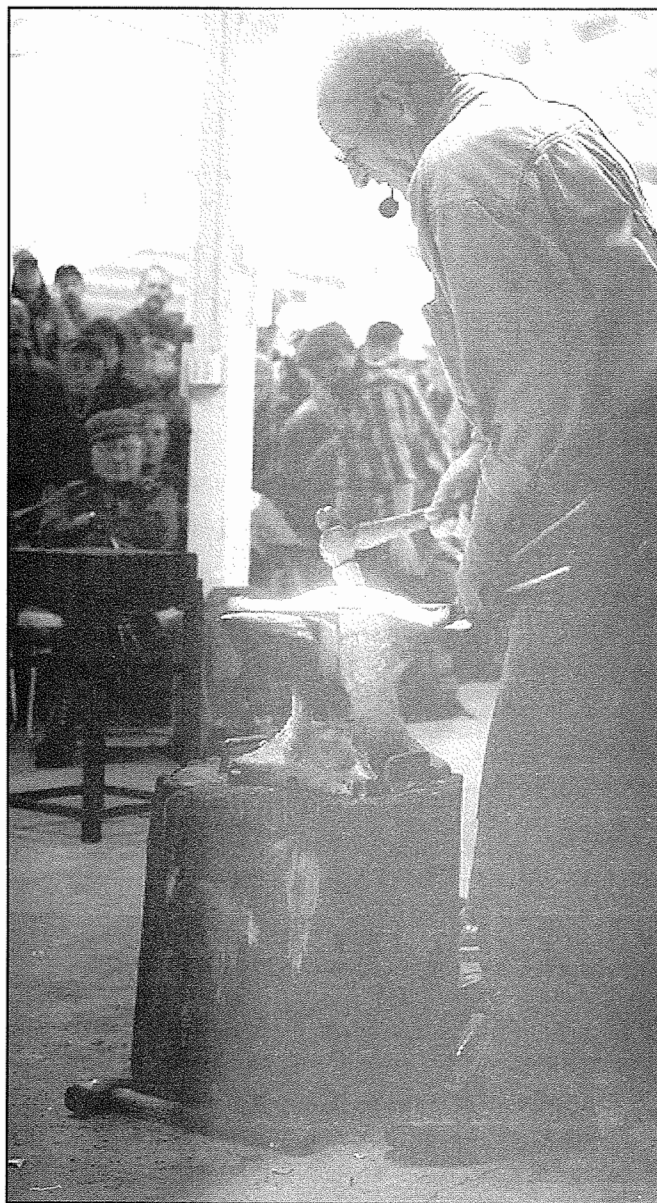
Phone _____

E-mail Address _____

High spirits, high attendance at fall conference



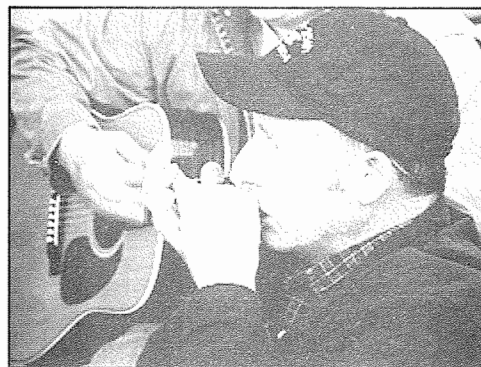
Early morning sun frames Tom Richards' shadow as he talks with Bob Bowser, a day's plans being made.

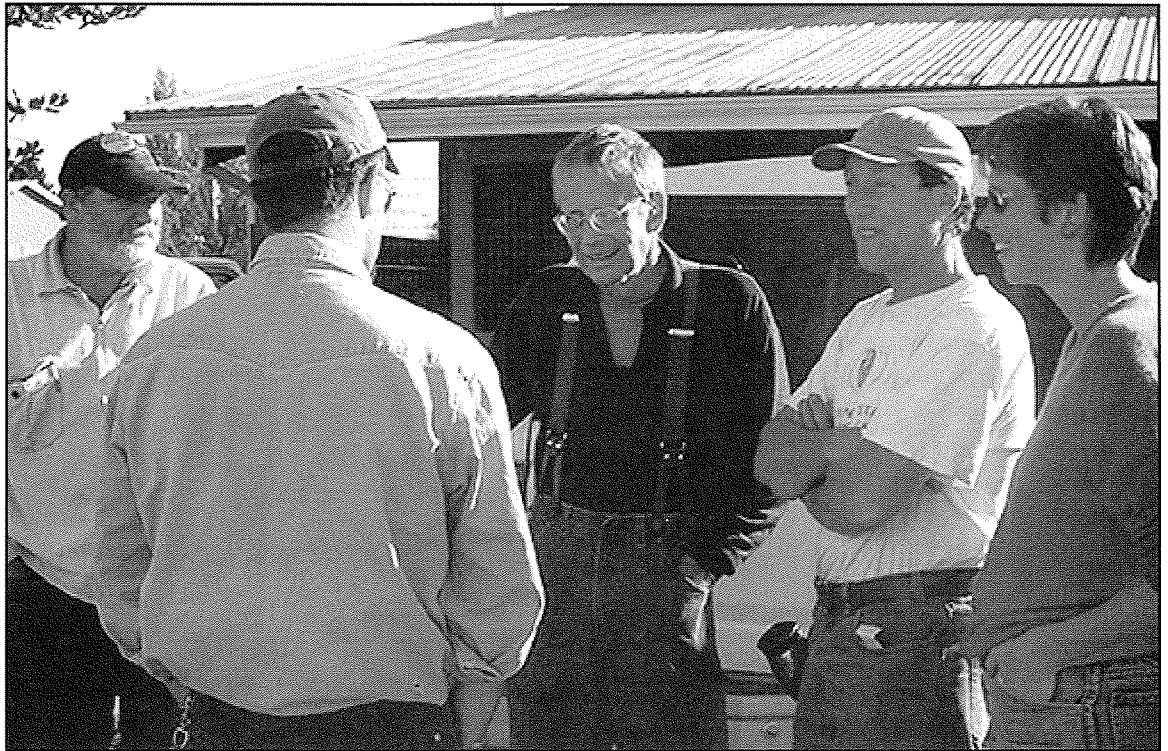


John Adolph, above, and Steve Lopes, left, explained and demonstrated from their years of experience. Both entertained as well as taught the large crowds attending their sessions.

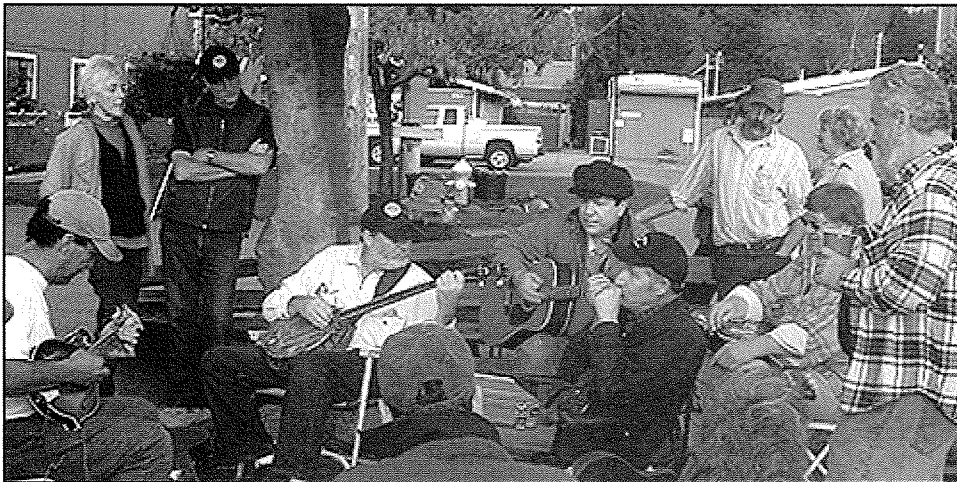


And a little spontaneous music from Berkley Tack of the Rustbelt Five, or maybe it was just rusty five.





Swinging a hammer for years just makes you tough. Russell Jaqua (center) and wife Willene (right) spent most of Saturday at the conference, to the delight of everyone. Kris Ketchum (back to camera) must have said something funny. Jess Spromberg is at the left and Steve Lopes stands between Russell and Willene.

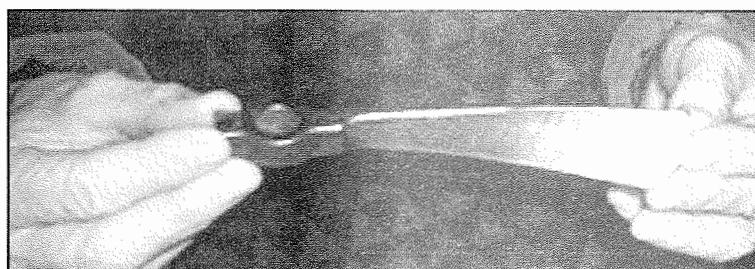
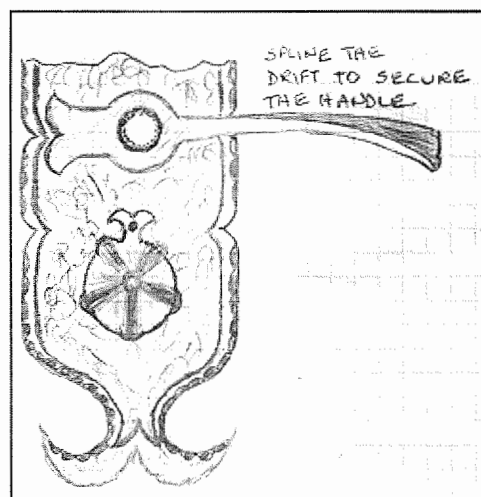
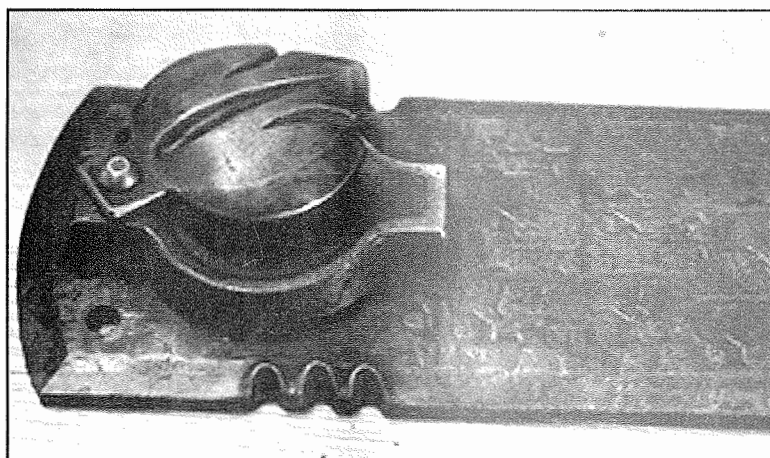
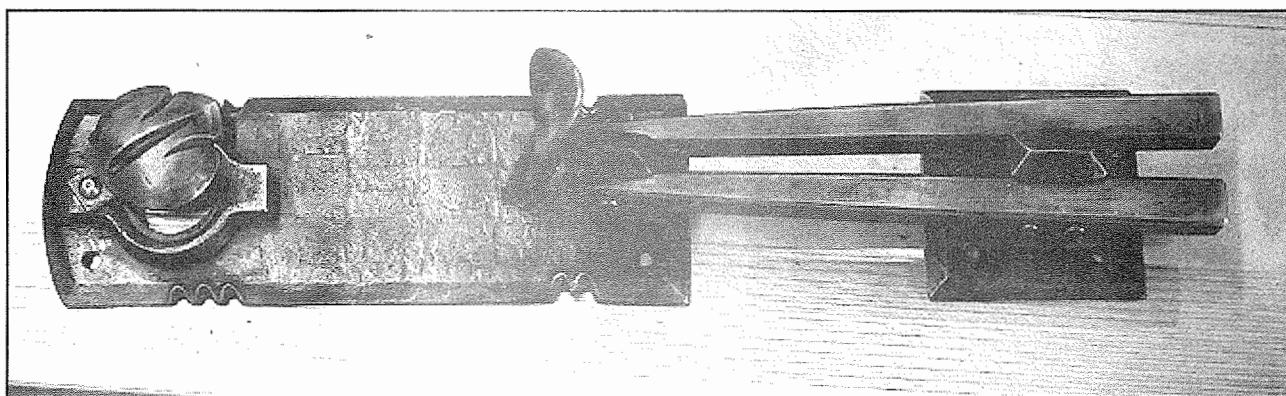


With Tim Middaugh on guitar, Jess Spromberg, banjo, Steve Lopes, electric mandolin, Berkley Tack on harmonica and Al Griswold, also on guitar the Rustbelt Five entertained Saturday afternoon. Demonstrations were winding down and the smoker wasn't quite done with its giant slabs of pork and chicken so entertainment was welcome (actually, they were pretty good, somebody should have passed the hat.)



John Adolph, an apprentice smith in Germany in 1947.

Steve Lopes brought his great crew of Forging Specialist Tri Ficker, Layout Artist Dean Mook and Repousse Master Josh Hones. The door handle hardware they designed and forged is shown in the photos below.



Completed door-opening hardware set and detail. Newly forged door handle under inspection. Drawing by Al "The Griz" Griswold with a tip on attaching the handle.



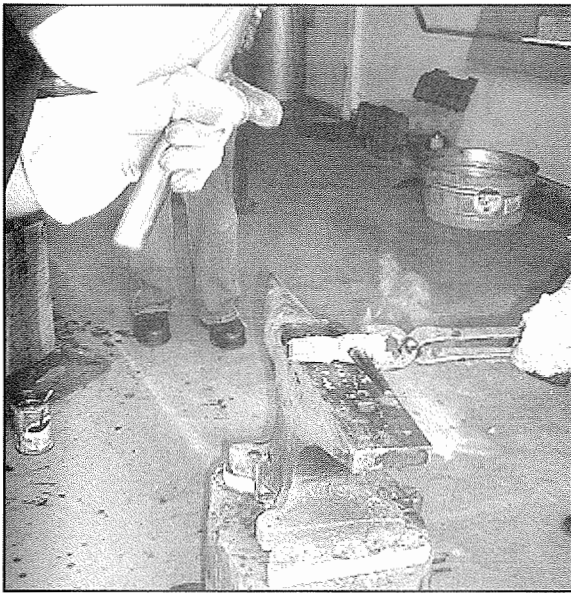
Bruce Bolding works on an offset hammer during a demo instructed by Lauren Osmolski. Bolding, a state fish biologist, was on his first visit to an NWBA Conference.



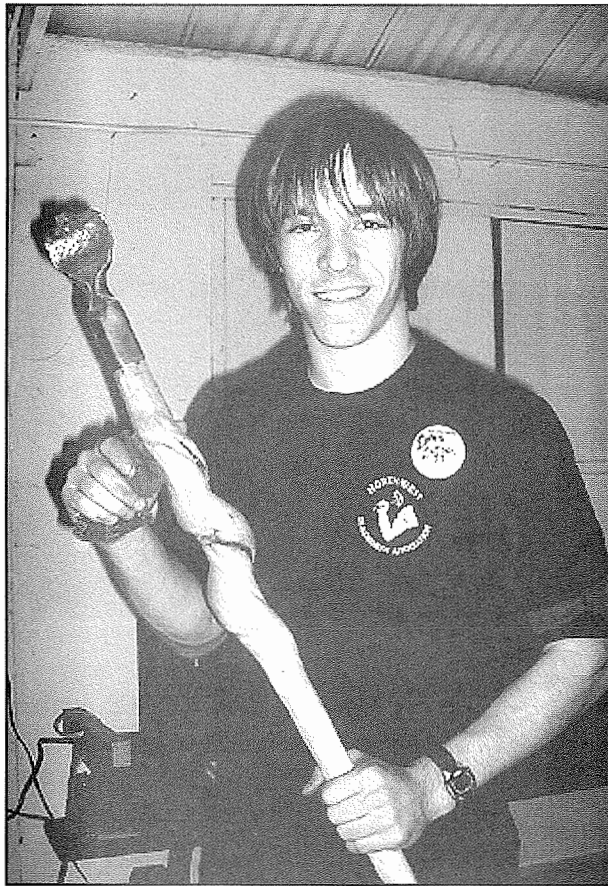
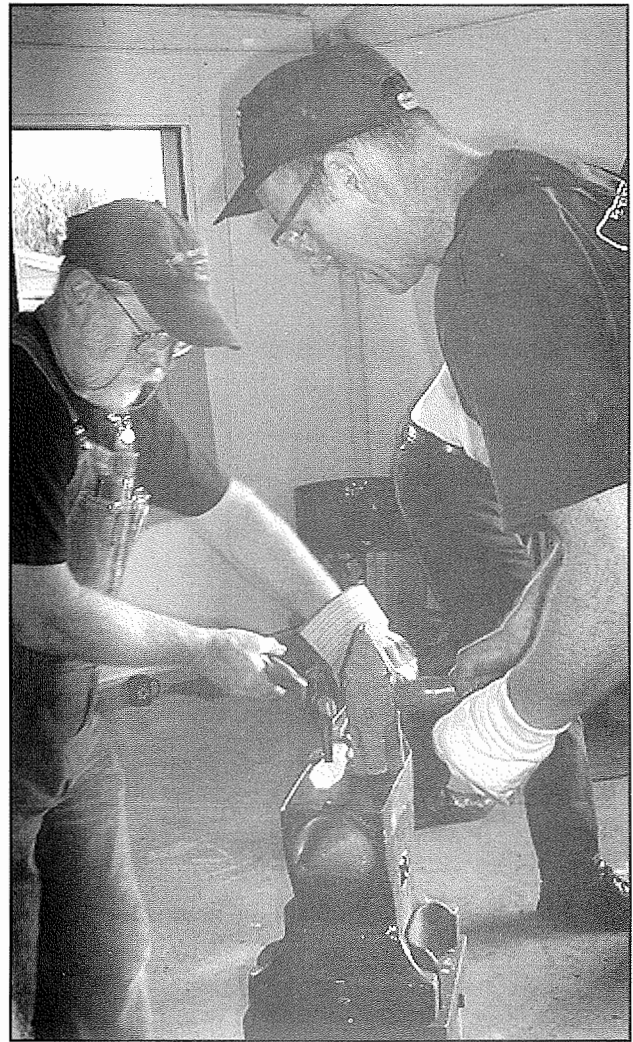
Lauren Osmolski uses hands-on and hands-in-motion to demonstrate a fine point in forging during her class.



Jerry Henderson's and Louie Raffloer's repousse classes are always a hit (pun intended). Here five participants of varying skills tap their projects into shape. From the left are Marving McDonald, Outlook, WA, Carol Dehlsen, Rochester, WA, Beth Heia, Seattle, WA, Annie Carson, Eatonville, WA, and Joyce Geil, McMinnville, OR.



Bill Apple ran a demonstration on drift and punch. At right he helps as things get lined up to punch an eye in a tool head. Above, removing some of the curve and taking the punch out.



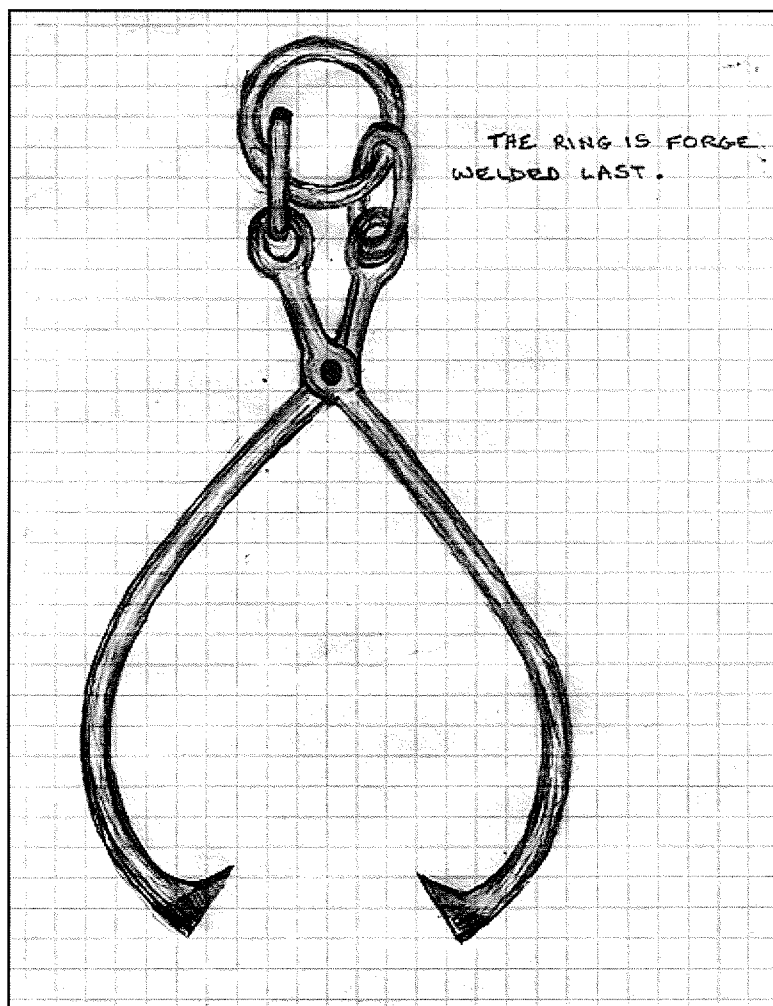
Chad Knutsen, 16, found this unusual piece of wood behind his house and figured it was the perfect place for a forged cobra head. He works with Paul Thorne in Anacortes and has been smithing for about six years.



The finished piece, both animal and mineral.

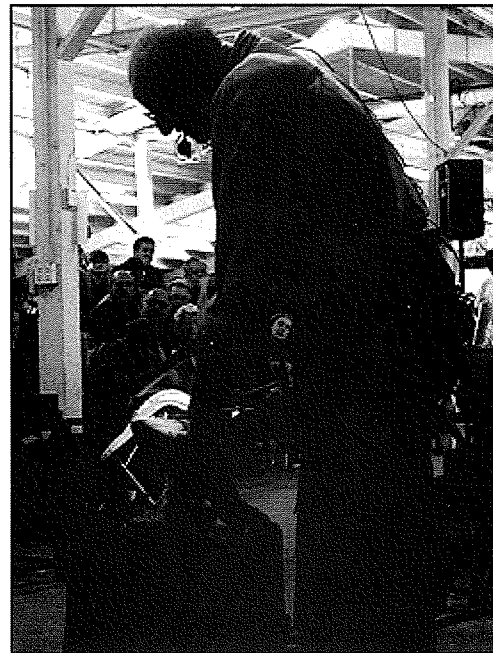
Making a set of log tongs

John Adolph forges a classic logging tool. Don Kemper and Al Griswold present the project in drawings and notes.



drawing by Al Griswold

NOTE: John forged many industrial and ornamental objects, logging tongs, shackles to scroll work — but his “Energizer Bunny on Steroids” defied good note taking. Don



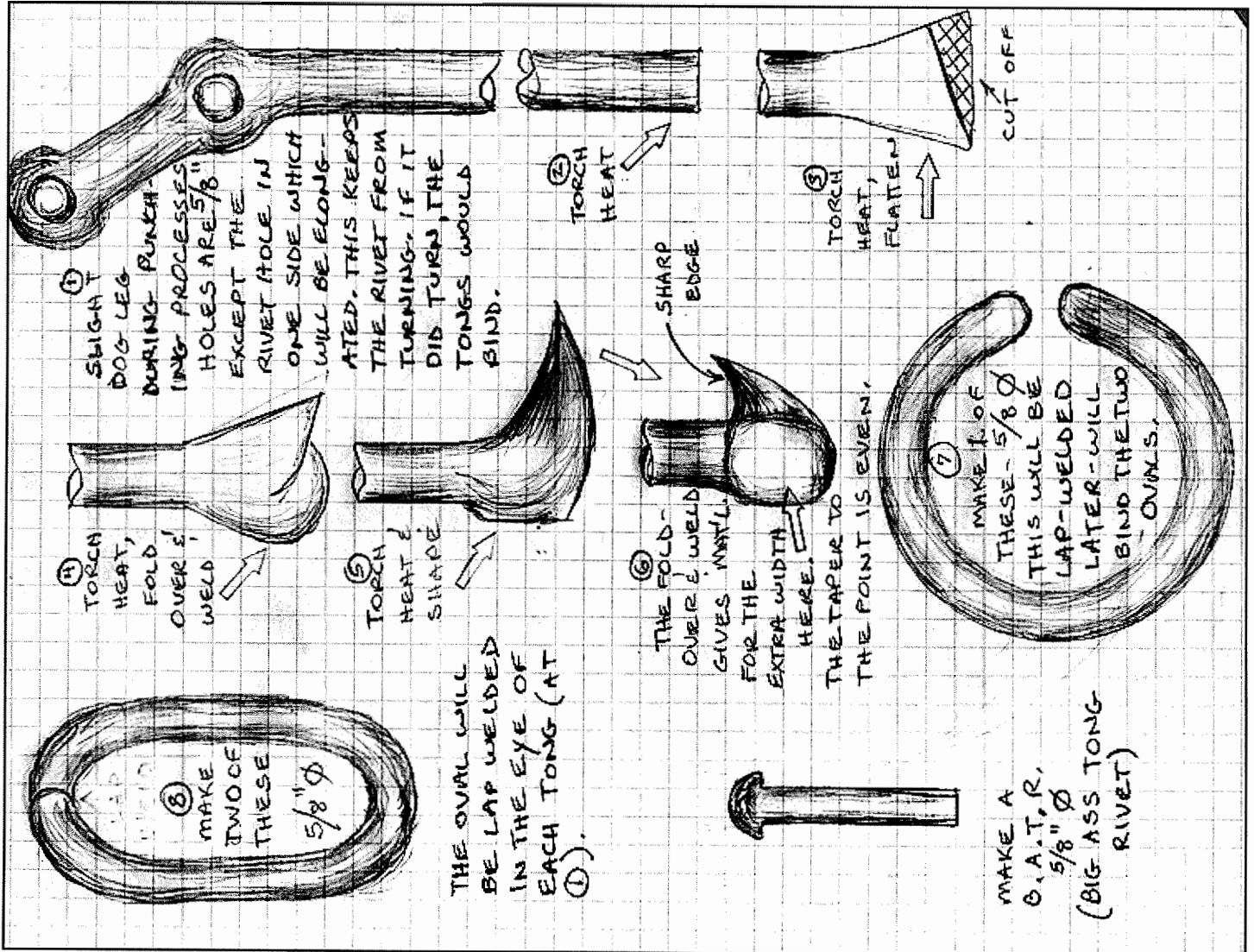
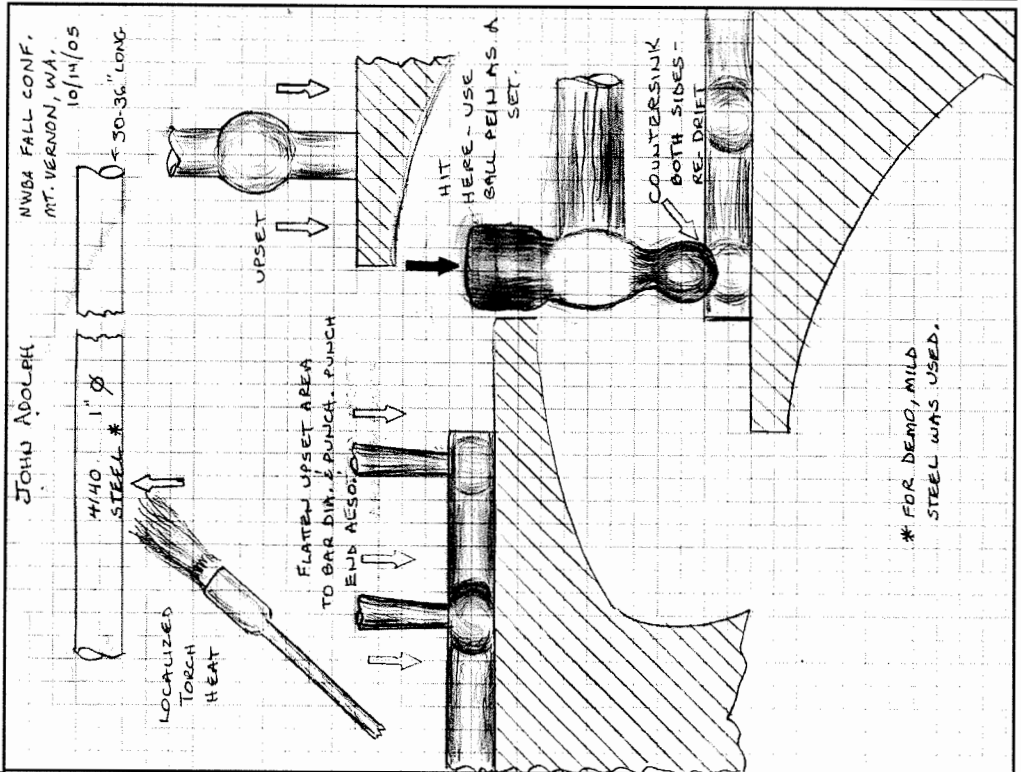
John Adolph, one of the two prime demonstrators at the fall NWBA Conference in Mount Vernon, begins shaping a high lead shackle during one of his demo sessions. Earlier he made the log tongs which are outlined on this and the next page.

Notes on John Adolph
by Don Kemper

- 1) Uses propane forge with 15# propane and 15# compressed air when forging.
- 2) Uses large propane/oxy rose bud for multiple short heats and forged welding.
- 3) Forges welds with hydrated (type4) lime for flux — common agricultural lime (?)
 - a) Upsets, prepared normal preweld scarfs.
 - b) Brings to “near welding” heat with rose bud , dip in flux, repeat 2nd and 3rd time.
 - c) Finishes with welding heat and forge weld.
 - d) Repeats “b” and “c” to insure weld and scarf ends.
- 4) Uses similar three times coating work with ordinary kitchen salt at critical temperatures for hardening mild steel with water quench.
- 5) Twists flat stock inside tubing (keeps straight) and water on anvil during finish forging.

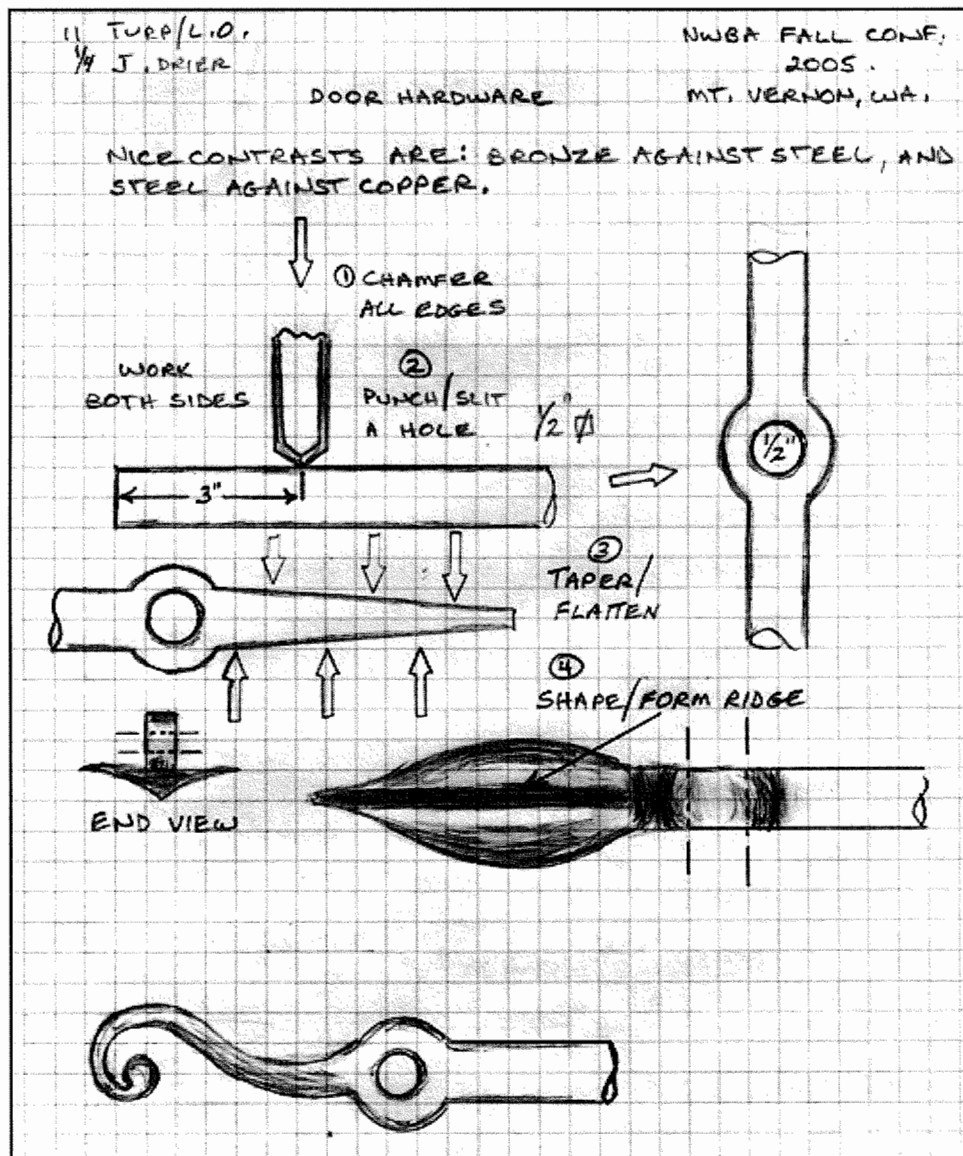
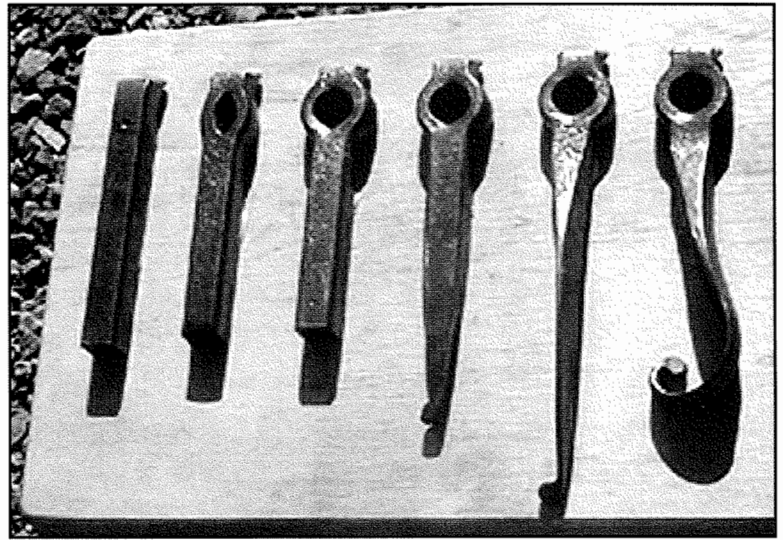
Logging Tongs

Al Griswold's drawings show, below, setting up and making eyes at the top of the tongs and setting the punch for the rivet. In eight steps, right, the tongs and oval are shaped. Be sure, as Al points out, to use a B.A.T.R.

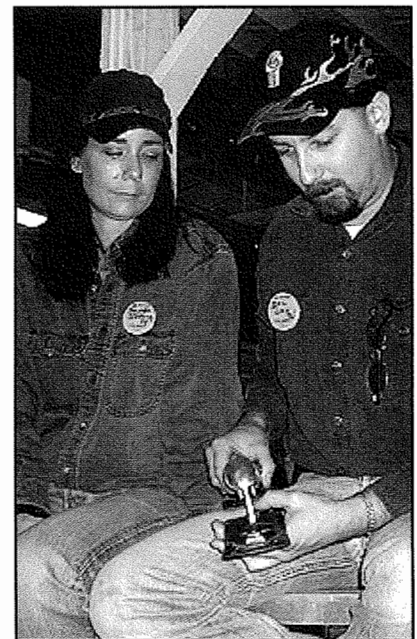


Building door hardware

Steve Lopes and crew built door hardware during a demo session at the fall NWBA Conference. Notes and drawings on this page and the next by Al Griswold and Don Kemper.



drawing by Al Griswold



Ken Williams invited Tammera Sterling and Zac Linn, both of Sedro-Woolley, to the fall conference. They examine a completed door opener fresh off the production demonstration by Steve Lopes and his crew.

STEVE LOPES CREW - CONT'D:

NOTES
By Don Kemper

FORGING DOOR HANDLE HARDWARE

STOCK - 1/2" SQUARE MILD STEEL

"BALDWIN" SET HAS 5/16" SQUARE SPINDLE -

"SARGENT" HEAVIER SET W/ 3/8" SQUARE SPINDLE -

- USE TWIST, NOT PUSH
BUTTON LOCKS! - - - -

1. - CHAMFER CORNERS OF 5" OF BAR END -

2. - CENTER PUNCH 3" FROM BAR END ON OPPOSING SIDES -

3. - USE SLITTING CHISEL FOR 1/2" HOLE FROM BOTH SIDES TO MINIMIZE "SUCK IN" -
(SLITTING CHISEL FORMULA = $3.14 \times \text{DIA.} \div 2 \times 0.90$) -

4. DRIET TO 1/2" HOLE FROM BOTH SIDES OVER BOLSTER! TO FURTHER MINIMIZE "SUCK IN" -

5. ISOLATE END MASS, DRAW HANDLE -

6. FLATTEN HANDLE ON HORN, BEGIN CHAMFER -

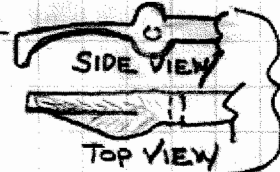
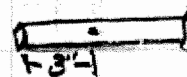
7. TAPER END MASS, ROLL "PIGTAIL" -

NOTE: COOL HOLE AREA BEFORE CHAMFERING/PLANISHING TO MINIMIZE ERRANT BLOWS DEFORMING EYE -

8. FINISH SHAPING HANDLE W/ WOOD Mallet -

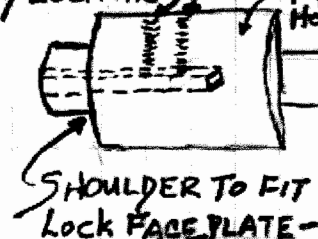
9. HOT FILE FOR FINISH, NO SHARP EDGES (HAND FRIENDLY!) -

10. CUT OFF W/ HOT CUT, LEAVE SLANT CUT, FILE BREAK TO HAND FRIENDLY! -



- TRUNNION DESIGN -

DOUBLE SET SCREWS w/ LOCK TITE



1" DIA STOCK w/ SQUARE HOLE FOR LOCK SPINDLE -

3 1/2" DIA TENON -
- LENGTH OF HANDLE WIDTH PLUS 3/8" FOR RIVET HEAD -

FINISH

a. CHISEL CUT OUTSIDE OF HOLE (SECURES ROUND TENON)

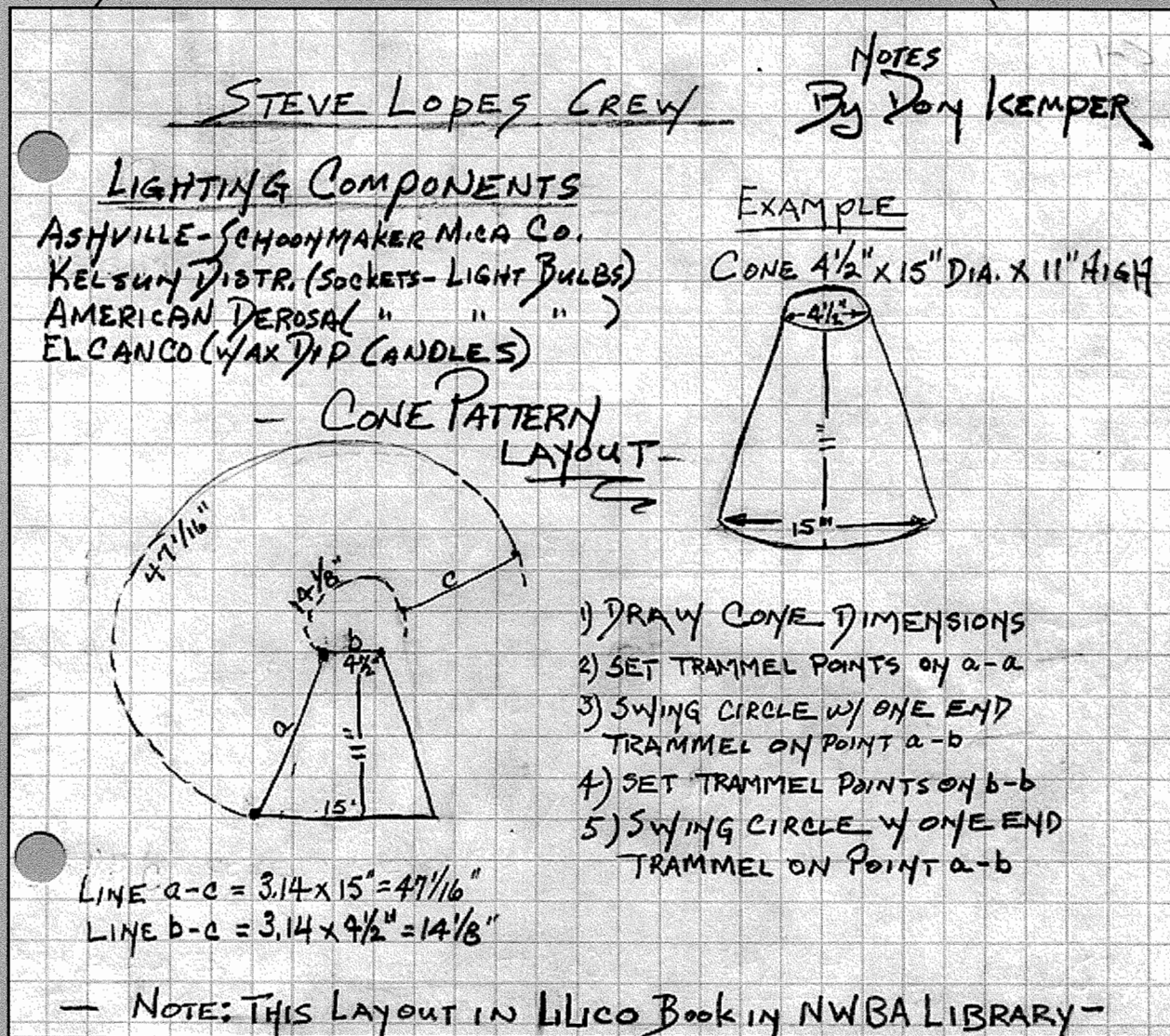
b. INSTALL HANDLE ON TRUNNION TENON, HEAT & RIVET SECURELY -

c. INTERIOR - 1 PART LINSEED OIL, 1 PART TURPENTINE, JAPAN DRYER -

EXTERIOR - HAMMERITE PAINT - (POWDER COAT HARD TO REPAIR) - OR "HELMSMAN", CUT W/ TURPENTINE

Notes on lampshade making from Steve Lopes workshop

drawings by Don Kemper



Additional notes

- Forges 1/8"x3/4" steel bands cold for lamp frames.
- Pre "Edge" bend to fit line a-c for bottom band.
- Top band to fit line b-c.
- (Rough edge bends entire bar on swedge block "by eye," final fit to layout pattern.)
- NOTE: Allowing extra "drop" on band ends eliminates fighting "straight ends."
- Uses cap nuts for rivet head fasteners.
- Likes processed mica for lamp/chandaleer shades.
- 15 & 30 thousand thickness.
- Mica comes processed either with acrylic white binder or shellac amber binder.
- Warm (not hot!) to shape.
- Overlap & glue with clear silicone sealer.
- Coat with inhibitor for U.V. situations.
- Birchwood Casey & Bryant Lab. for patinas.
- Mica Source: Asheville/Schoonmaker Mica Co., 757-244-7311

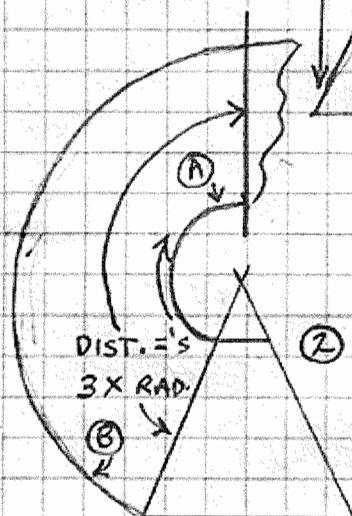
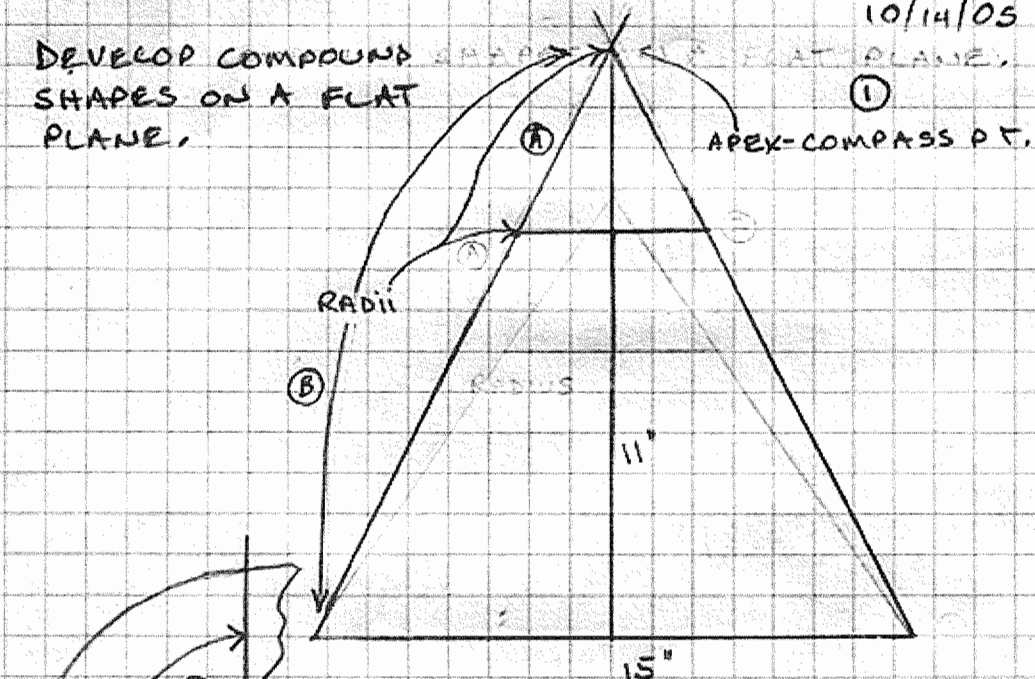
Pattern making

drawings by Al Griswold

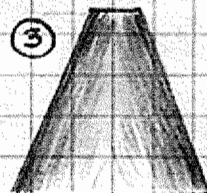
PATTERNMAKING

DEVELOP COMPOUND
SHAPES ON A FLAT
PLANE.

NWBA FALL CONF.,
MT. VERNON, WA,
STEVE LOPES DEMO.,
10/14/05



④ EDGE BEND THE
BOTTOM TRIM PC. TO
RADIUS ③. THIS IS THE
1ST SHAPING, CUT IT TO
LENGTH.



⑤



WHEN THE METAL TRIM
(BOTTOM SHOWN HERE- TOP
IS THE SAME PROCESS)
IS BENT AROUND THE CONE
SHAPE, IT WILL BE AT THE
RIGHT LENGTH AND AT
THE CORRECT ANGLE.

NOTE: BIRCHWOOD-CASEY
CHEM. LAB HAS
PRODUCTS FOR
METAL FINISHING
(SHINY TO BLACK)

When in doubt overbuild, overprotect

Steve Lopes, who demonstrated at the Fall NWBA Conference, offers some tried and true suggestions for making your job easier and, more importantly, safer.

No rough edges anywhere near the wire.

Use plastic or nylon bushings when passing through metal. If not possible, build up a silicon or similar bead for wire to rub against.

Where wire can be snagged or pulled by fingers, cleaning or other general maintenance it must be clamped or tied down so the live end cannot be pulled out of the socket.

Always use UL or similar lab approved material. (Wire, sockets, bushings, etc.)

18-2 wire is acceptable to use (SPT 1&1/2, 105 degrees or SPT 2) if the fixture is hard wired and grounded at the box. Use 18-3 wire if it's a hanging fixture and ground the fixture past any gravity contact (so it is grounded all the way to the light.)

Tin all bare wire connections before you wire up the socket. Make sure there are no "wild hairs" that may cause a

short. Heat shrink tube is added protection and a must on halogen mini sockets.

Rough rule of thumb is for 40 to 100 watts incandescent leave 1" minimum around shades. Test it out. With mica it's not really an issue as it's not flammable but your finish may need the protection of 1" (or more!). There are flame proof papers available but they will brown if exposed to too much heat.

An opening at the top is good for air flow so you won't have heat build up (a must with Halogen lamps).

When in doubt, over build and over protect. And take pictures of your wiring in case there is a problem later. Legally, neglect is overlooking something. Criminal neglect, on the other hand, is cutting corners and deliberately sacrificing safety.

Halogen mini lights need special stickers. They, again, must be tube heat shrunk as they burn hotter and the tube can handle more heat. A cooler bulb is Krypton. Use porcelain sockets with them, again, for the heat. Do not put on the Halogen or Krypton bulbs with your bare hands. The oil on your fingers will cause the bulbs to break, possibly explode. Use a glove or a clean rag.

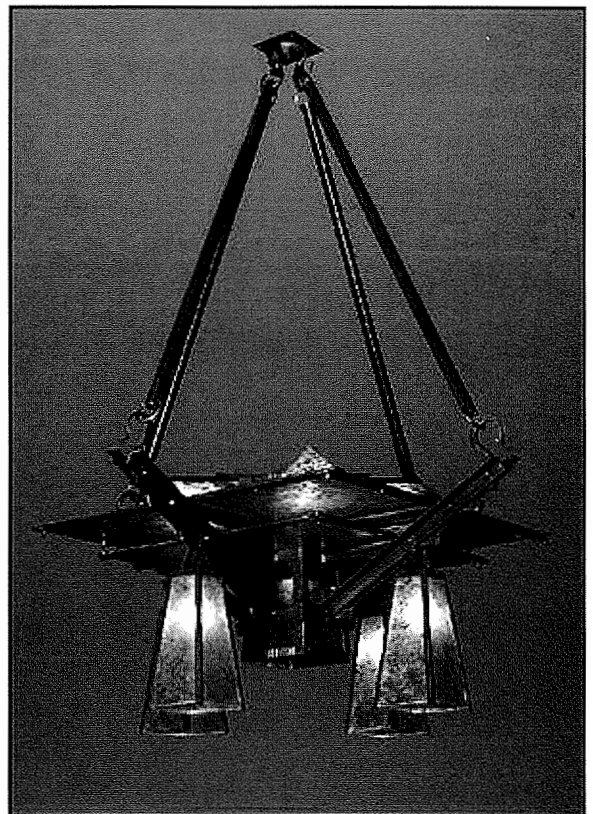
You can buy pre-wired porcelain sockets (mini's) that are UL approved for Halogen lights.

Again, use care with shades as they are very hot lights. Allow for a lot of air flow and distance from the bulb.

DISCLAIMER

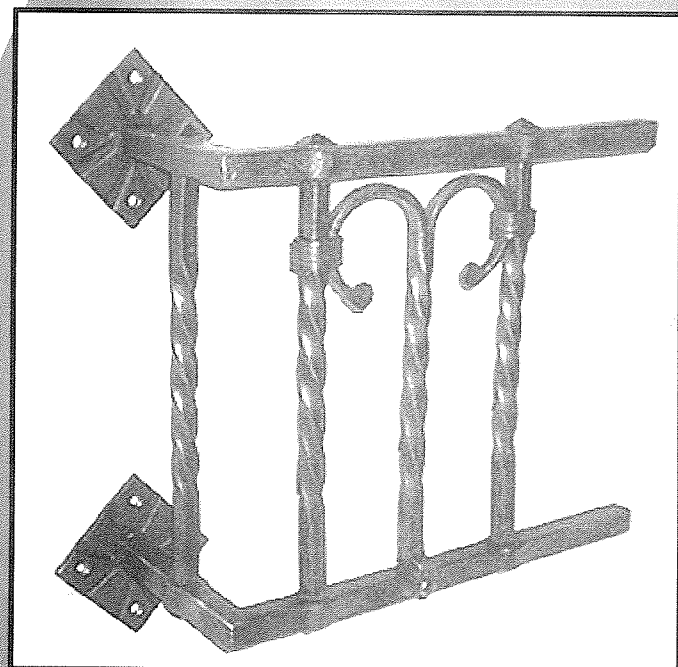
Here's my disclaimer: I am not an attorney nor am I an expert in the lighting field. These are my observations for making lights and dealing with UL inspectors and state lighting inspectors. If you are not sure, talk to an electrician or call a lab that will inspect your work - It's cheaper than a law suit.

A Steve Lopes hanging light fixture.

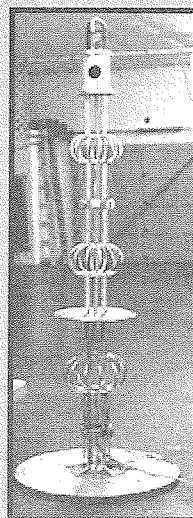




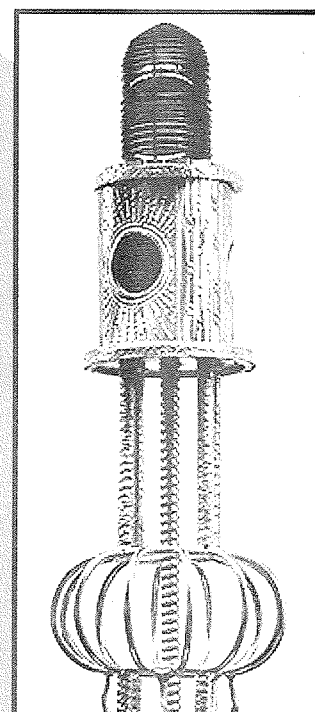
Fall Conference Gallery



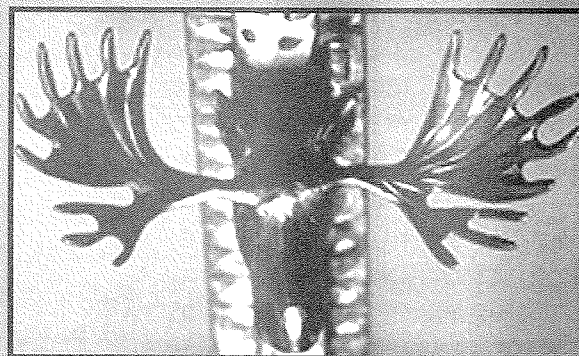
*French European Hand Rail
by Kris Ketchum*



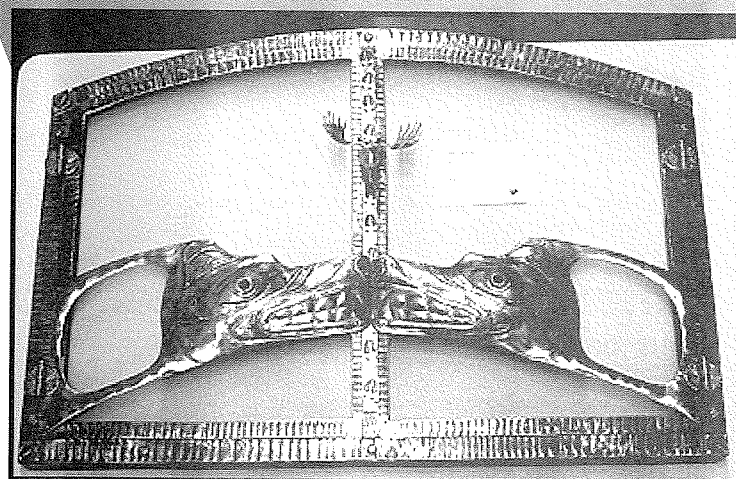
*Alien Beacon
by Ries Niemi*



Alien Beacon Detail



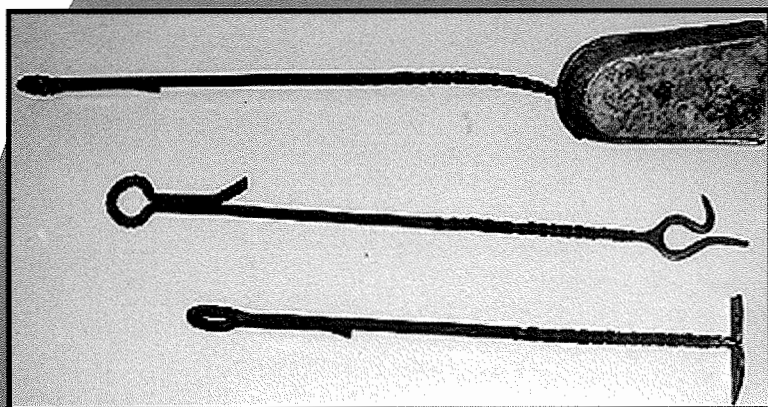
Moose Detail



*Two Old Bears and a Moose
Firescreen
by Paul M. Thorne*



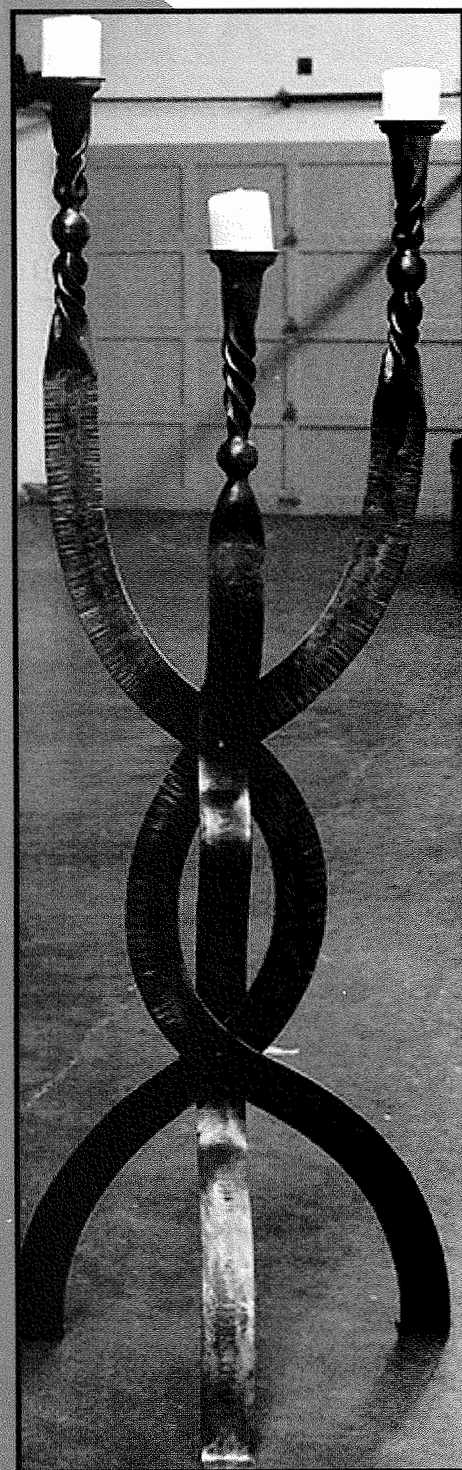
Fall Conference Gallery



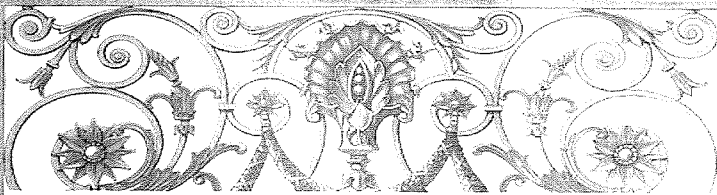
Fireplace Set
by David G. Meyers



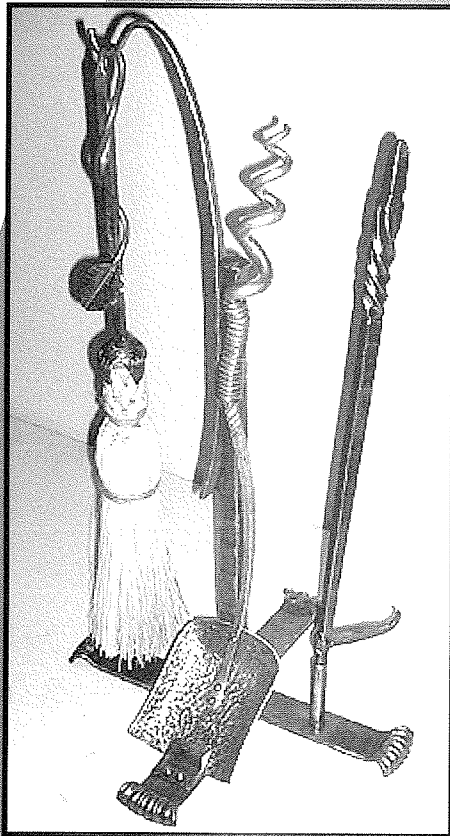
Forged Railing Sample
by Darren Mason



Forged Pipe Candle Holder
by John McClain

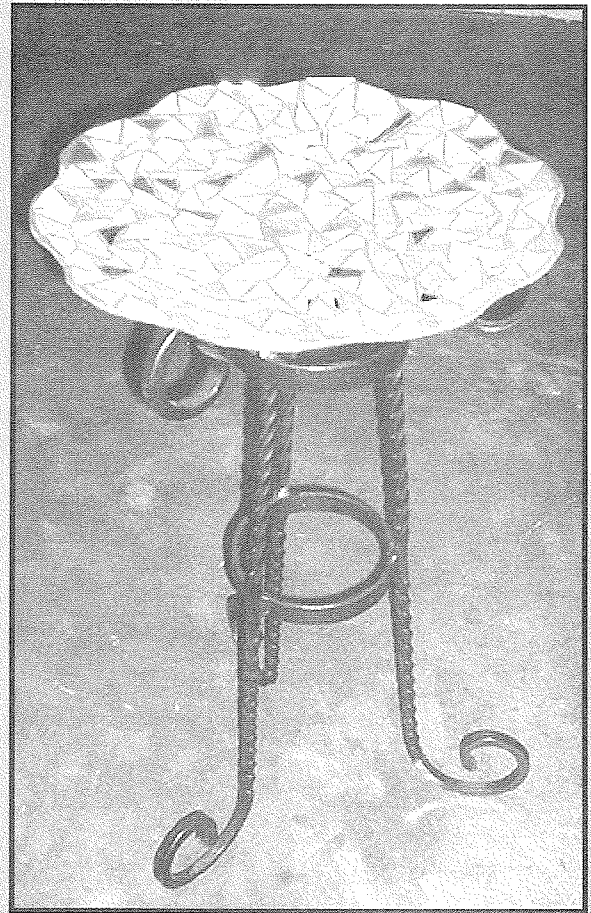


Fall Conference Gallery

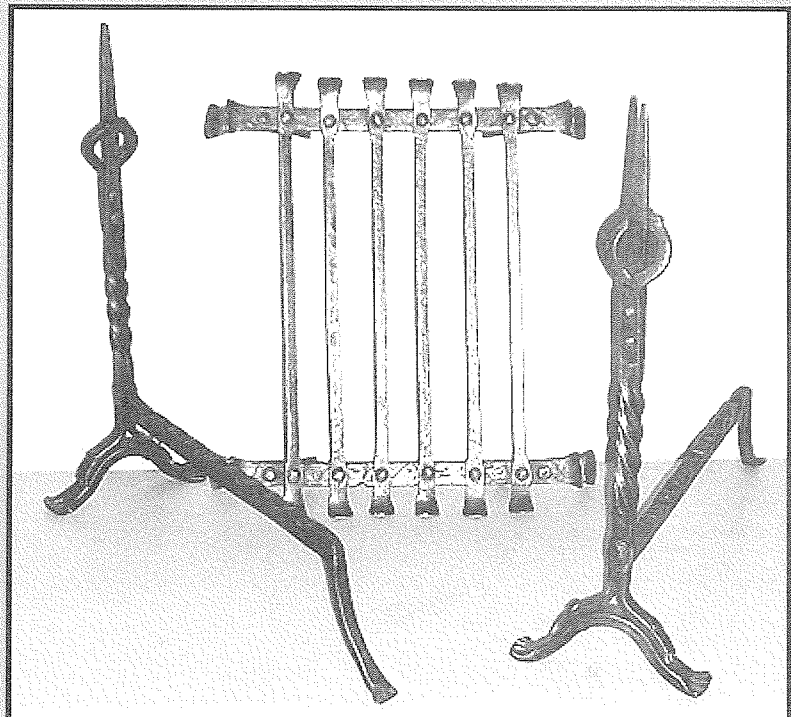


Fire Tools
by Bruce Crittenden

More Fireplace Practice
by Mark Moshofsky



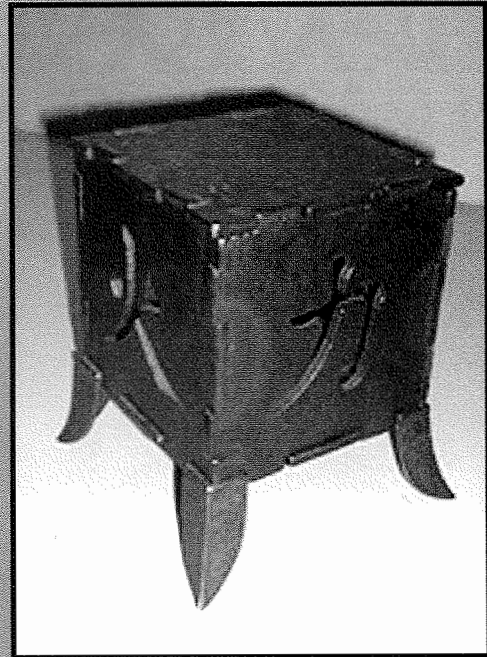
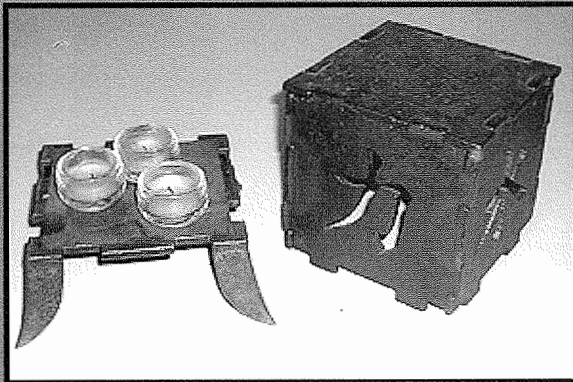
Plow Disc Bird Bath
by Brad Husby





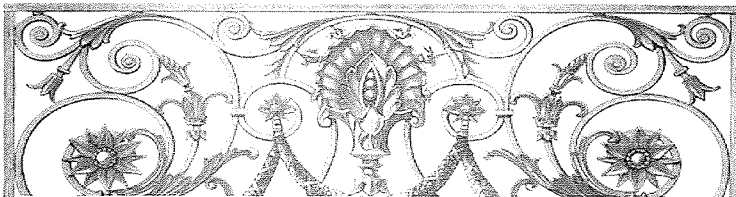
Fall Conference Gallery

*Water, Fire, Metal, Strength
by Steve Howell*

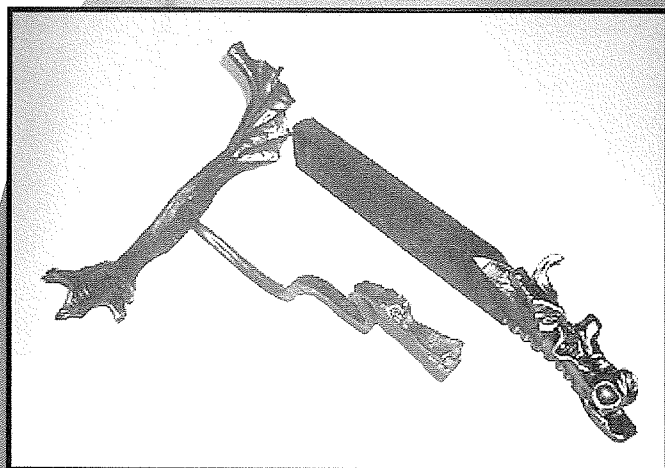


"Optimism Meets A/C-47" or, "a good lawyer", by Louie Raffloer



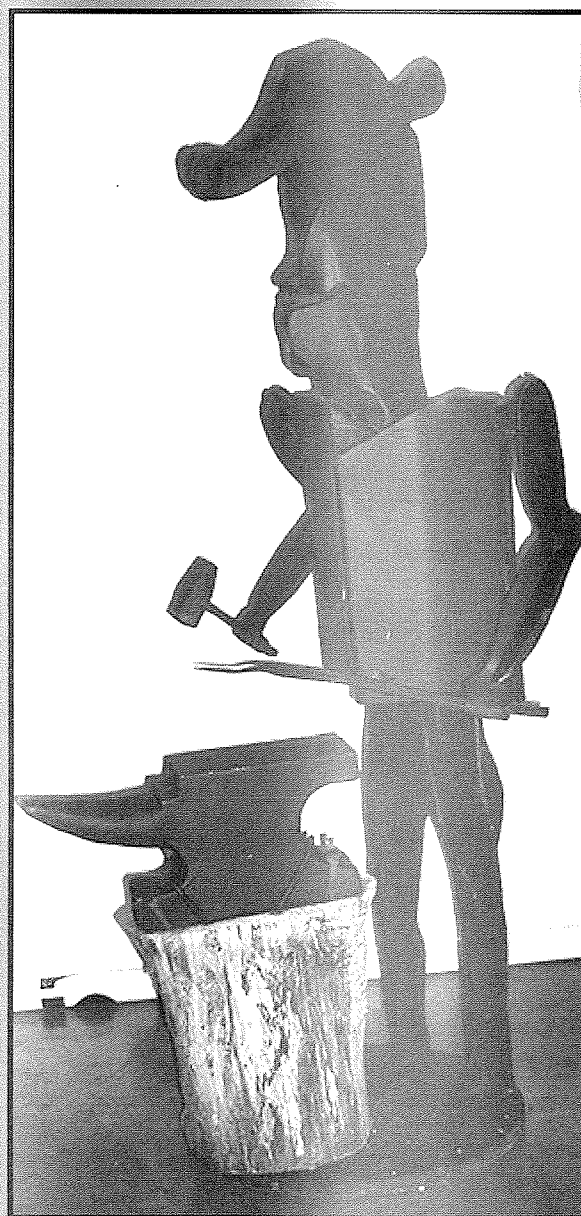
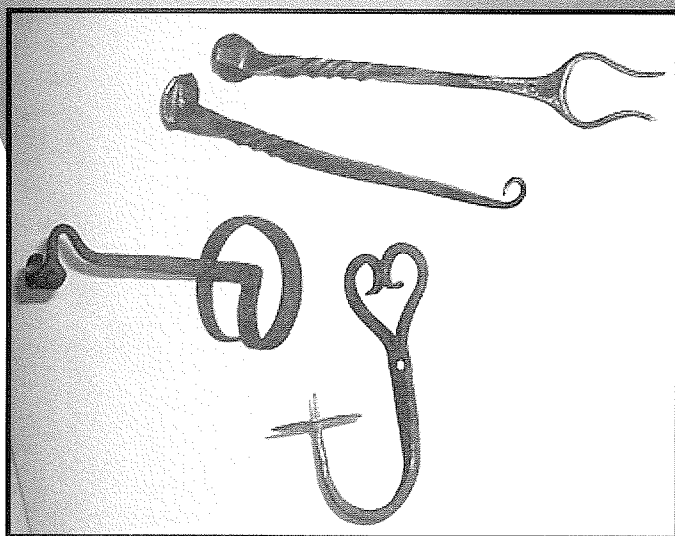


Fall Conference Gallery



Dragon Something
by Thomas Taranowski

Gothic Candleholder
Railroad Spike Fork and Turner
by Thomas Taranowski



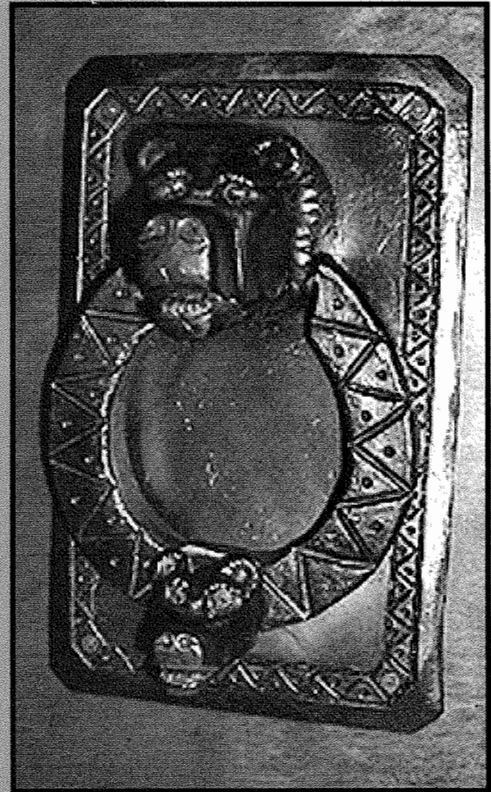
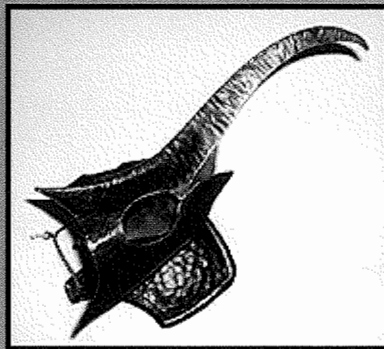
Blacksmith
by Jerry Nielsen



Fall Conference Gallery



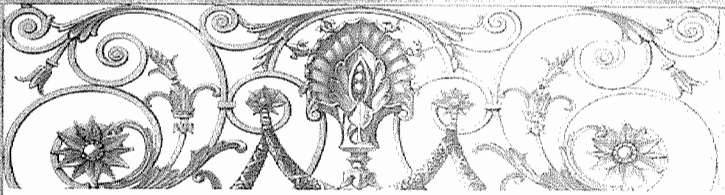
*One Large, Two Small Maple Leafs
by Brenda Glenn*



*Door Knocker
by Mike Neely*



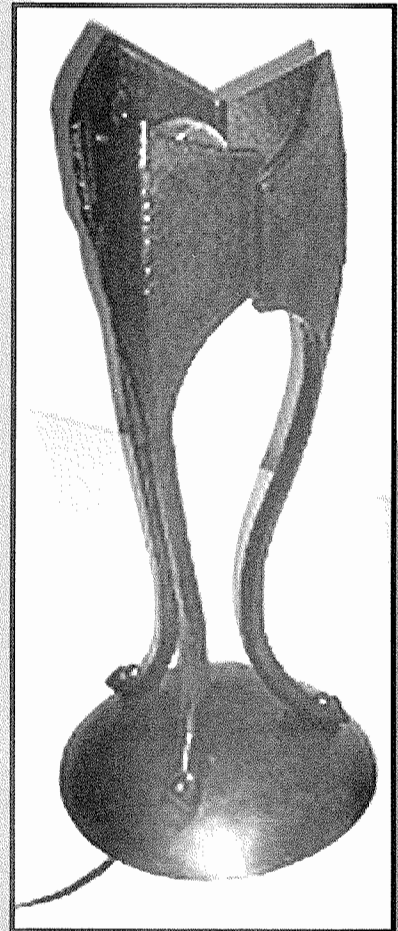
*Bird Mounts
Copper, Steel
by Lauren Osmolski*



Fall Conference Gallery



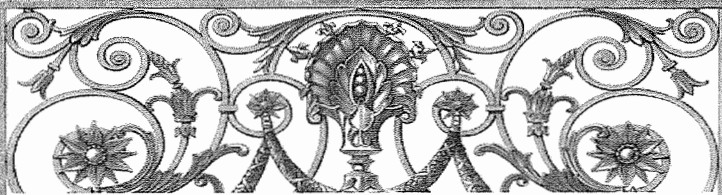
*Table Made For Timberline Show
by Dave Lisch*



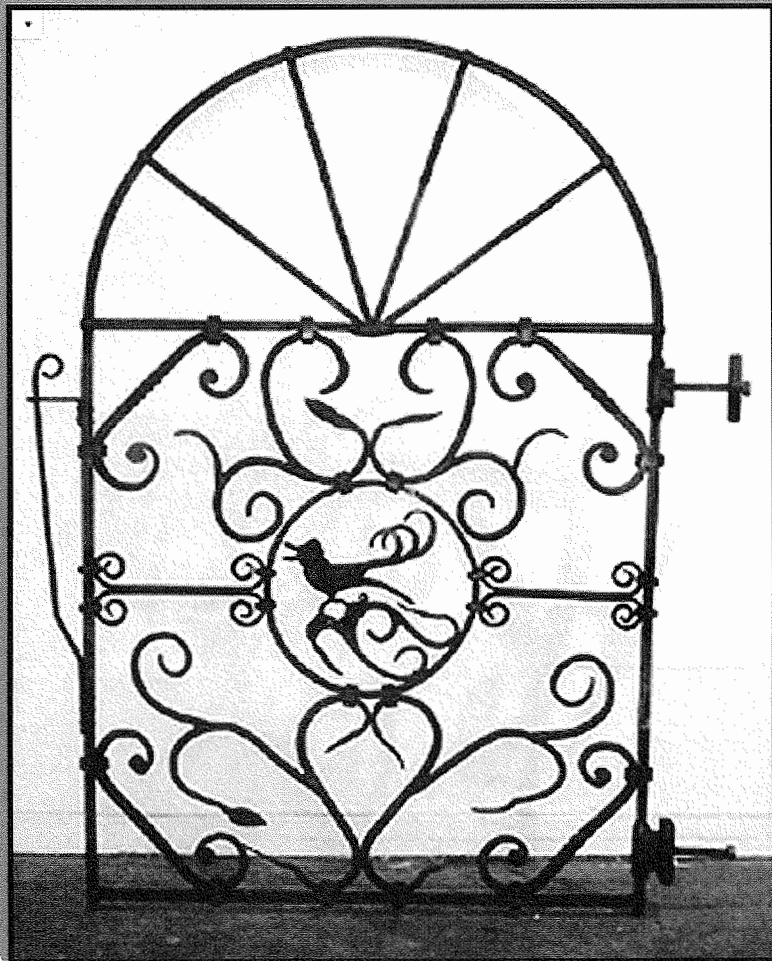
*Lamp
by Maria Cristalli*



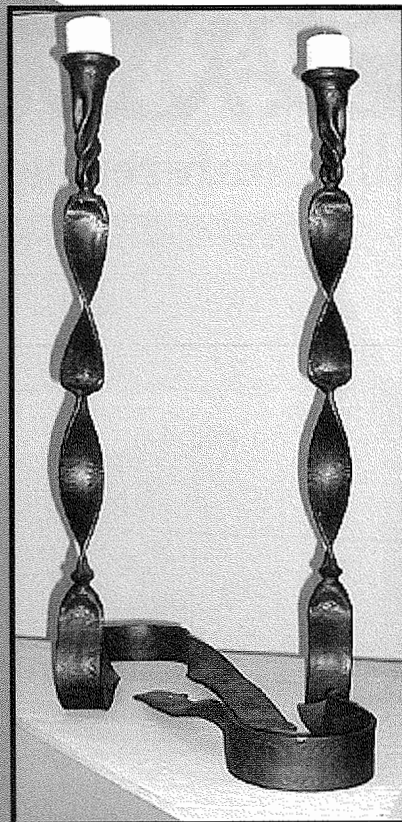
*Hummingbird and Flower
by Mike Neely*



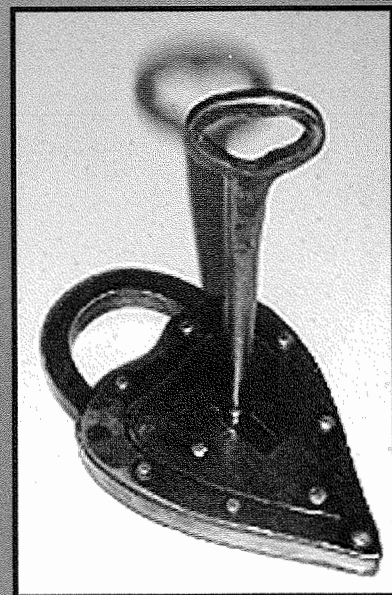
Fall Conference Gallery



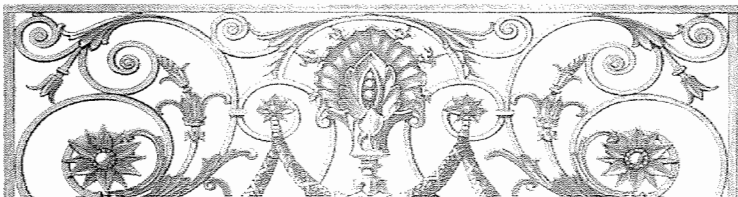
*Gate
by Jerry Nielsen*



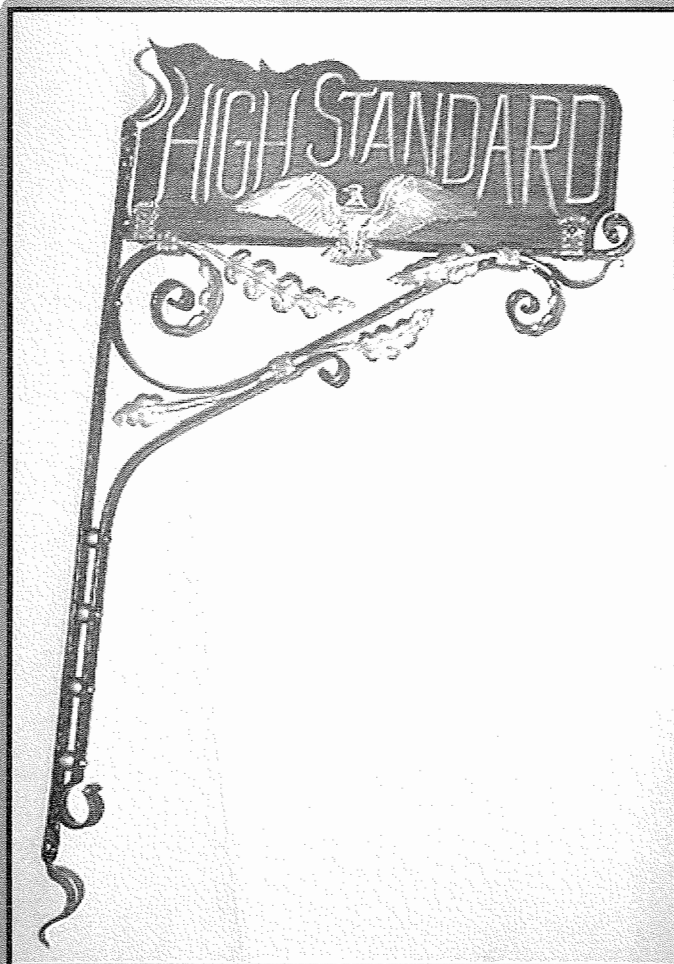
*Forged Pipe Candle Holders
by John McClain*



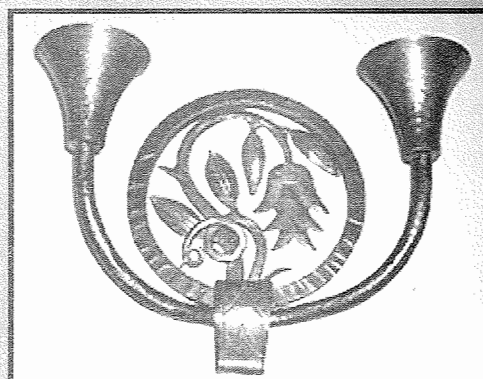
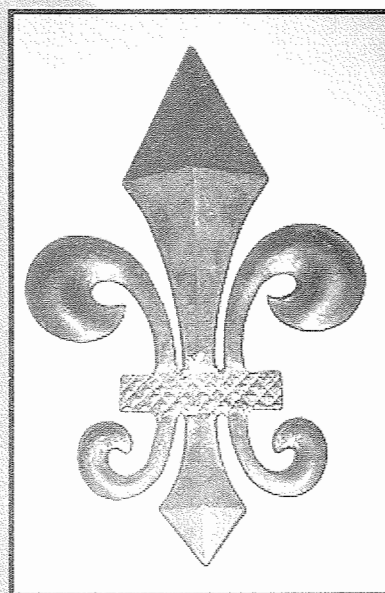
*Lock
by Cy Swan*



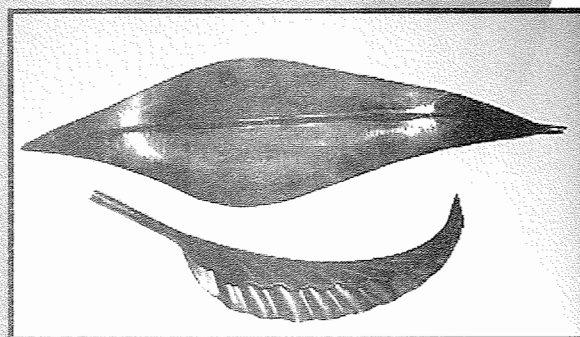
Fall Conference Gallery

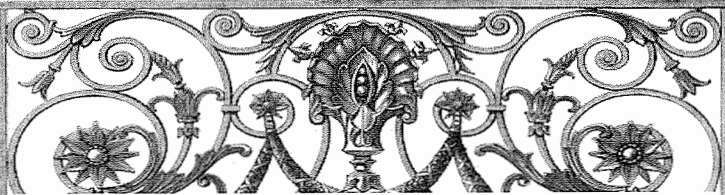


*My Sign (aka: High Standard)
by Matt Sabo*



*Collection of Three Pieces
by Renato Muskovic*





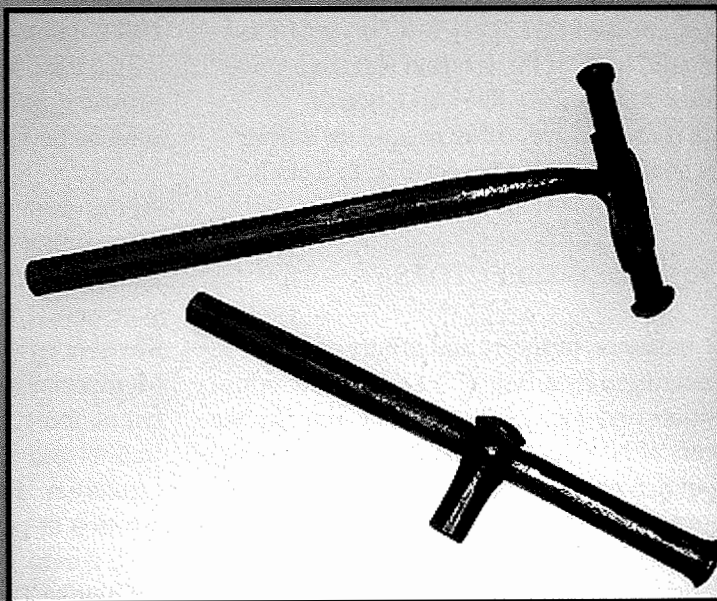
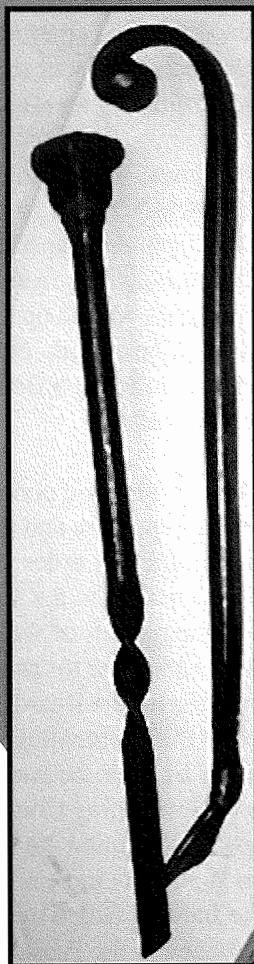
Fall Conference Gallery



*Pipe Gun
by Ries Niemi*



*Floor Lamp
by Jim Von Mosch*



*Rail Samples
by Jorgen Harle*

Proposed Northwest Blacksmith Association By-Laws

PLEASE NOTE: You will receive a ballot in the mail in early December with which to cast your vote for or against the new NWBA By-Laws. Your vote is important. Your returned ballot must be postmarked no later than December 31, 2005.

**Return your ballot by
December 31, 2005.**

NORTHWEST BLACKSMITH ASSOCIATION BYLAWS

ARTICLE I – NAME

The name of this non-profit corporation shall be NORTHWEST BLACKSMITH ASSOCIATION (the "Association"). The official acronym shall be "NWBA".

ARTICLE II – PURPOSE

2.1 Purpose Defined: The Association is organized solely for educational purposes, including, but not limited to: encouraging and facilitating training programs and conferences to promote high standards for the art and craft of blacksmithing and related metal crafts; disseminating information about sources of equipment, literature and material related to the art and craft of blacksmithing and related crafts; exposing the public and interested groups to the art and craft of blacksmithing.

2.2 Limitation of Methods: The NWBA shall observe all local, state and federal laws that apply to a non-profit as defined in Section 501(c) 6 of the Internal Revenue Code and the applicable statutes of the Revised Code of Washington. Any questions regarding procedure during NWBA meetings shall be resolved according to Robert's Rules of Order.

ARTICLE III – BOARD OF DIRECTORS

3.1 Powers: The business, property and affairs of the NWBA shall be managed by a Board of Directors that has the power to: Initiate and approve plans and events for the welfare and interest of NWBA members; print and circulate documents and publish publications supporting the purposes and objectives of the Association; communicate and consult with individuals and other organizations interested in blacksmithing and other related metal crafts; engage, consult with and contract for services; adopt the annual budget; raise and disburse funds; determine policy as required; devise and execute such other measures as it

deems proper to promote the objectives of the NWBA and to best protect the interest and welfare of the NWBA and its Members.

3.2 Number: The Board of Directors shall consist of a minimum of nine (9) elected Directors, individually and collectively referred to herein as "Director" and "Directors" respectively.

3.3 Election of Directors and Terms of Office: Board terms shall be split with an even number of seats open for election one year and an odd number the following year. Upon election, Directors of the Board shall proceed with the performance of their duties and continue in office for a period of two years. Elected successors shall assume their duties the board meeting following an election.

3.4 Board Election Procedures: The Nominating Committee outlined in Article 5.3 shall have responsibility for soliciting nominations from the General Membership beginning with a call for nominations from the floor at the Fall Conference. Nominations will be open for 30 days, at which time nominations will be closed. Nominees will be provided information of the duties of a Board Member prior to being placed on the ballot.

At the close of the 30-day nomination period the Nominating Committee shall prepare and distribute a ballot listing the nominees in alphabetical order with their statements. Ballots will be mailed to the address of each Member as it appears on the records of the Association. Members shall be instructed to vote for as many positions, but no more, as are available on the Board of Directors. Ballots will be returned to the Nominating Committee for tabulation. In the event of a tie for the last available position or positions, the Nominating Committee Chair shall conduct a coin toss to determine the final position or positions. The election shall be completed in time to seat the new Directors at the January Board meeting. Results of the election shall be provided to the President for

Proposed new NWBA By-Laws

notification of the new Directors. At its meeting in January of the new year, the newly elected Board of Directors shall elect the officers of the Board.

3.5 Vacancies: Whenever any vacancy occurs on the Board of Directors by death, resignation or otherwise, that vacancy shall be filled without undue delay by a majority vote by ballot of the remaining Directors of the Board at a Regular Board Meeting or at a Special Board Meeting which shall be called for the purpose. The Board will consider runner-up candidates from the last election for Board Directors in the order of the votes each received from the membership. Such new director shall complete the original term of office that was vacated.

3.6 Quorum: A simple majority of the Board of Directors shall be present to constitute a quorum for the transaction of business. In the absence of the President and Vice President, the quorum present may choose a chairman for the meeting. If a quorum is not present, a lesser number may adjourn the meeting to a later date, not more than thirty (30) days later.

3.7 Voting: Each Director shall have one vote at all Meetings of the Board of Directors except in those situations where a Director is precluded from voting by a conflict of interest. To pass, motions require an affirmative majority vote of all directors present at a legal meeting.

3.8 Removal of Directors by the Board: Any member of the Board of Directors may be removed by the Board of Directors for due cause including, but not limited to: three consecutive absences without communicating a valid reason to the President or Secretary, repeated and consistent failure to perform the duties of a Director, and unethical behavior including not reporting a conflict of interest. The seat may be declared vacant by a motion, approved by two-thirds (2/3) vote of the Board, and the President may promptly fill the vacancy using the policy outlined in Vacancies, Article 3.4. ⁵

3.9 Regular Meetings of the Board: There shall be a minimum of four (4) Board Meetings each year. Regular Board Meetings shall be held in January and July and during the Spring and Fall Conferences. Written notice of the meetings shall be given to all Association members at least thirty (30) days prior to the meeting. Notice may be in the form of an announcement in an Association publication, by postal mail, or by electronic data interchange mail, as

determined by the Board of Directors. All Board meetings shall be open to any Member except when the Board has moved, during an open meeting, to go into Executive Session.

3.10 Executive Session: From time to time there are situations when an Executive Session may be warranted, i.e., when considering the purchase or lease of real property, or to consider charges of impropriety brought against a Director, Officer or Member. A motion to go into Executive Session shall state the nature of the business of the Executive Session and no other matter may be considered in the Executive Session. Attendance in Executive Session shall be limited to the Directors of the Board and any person whose presence is requested by the Board of Directors. Minutes of the Executive Session need not be taken. However, if they are taken, they may be recorded as a part of the minutes of that meeting.

3.11 Emergency Meetings of the Board: In lieu of a Regular Meeting, the Board may conduct emergency business at the call of the President or of one-third (1/3) of the members of the Board. A quorum must be present for an Emergency Meeting to be valid. An Emergency Meeting may be conducted via telephone, electronic mail or in person. Any minor budgetary and tactical decisions approved at an Emergency Meeting by a majority of board members present are valid. Any major policy or personnel actions taken must be ratified at the next Regular Board Meeting. The Board has the discretion to determine which major decisions need to be ratified at a Regular Board Meeting.

3.12 Conflicts of Interest: Officers and members of the Board of Directors shall take all precautions to avoid conflicts of interest including, but not limited to: profiting in their businesses by their service on the Board, influencing the Board to retain goods or services from a firm operated by a family member or close friends, and in general avoiding unethical behavior.

ARTICLE IV – MEMBERSHIP

4.1 Member: Any person who has an interest in blacksmithing or related arts and crafts and supports the purposes and Bylaws of the NWBA shall be eligible for membership upon payment of dues.

4.2 Payment of Dues and Amount: Annual dues shall be determined by the Board of Directors. Dues shall be payable on the first day of the calendar year. Any increase in dues shall be ratified by the Board no later than the October Board Meeting of the previous year. Notice of an

Proposed new NWBA By-Laws

increase in dues shall be published in the Association newsletter and on the website. A renewal statement of dues will be mailed to Members 30 days prior to the end of calendar year. Dues are non-refundable and will not be prorated for partial-year membership.

4.3 Default and Termination of Membership:

- a) Any Member may resign from the NWBA by giving written notice to the Board of Directors.
- b) Any member may be dropped from membership by a two-thirds (2/3) vote of the Board of Directors at a regularly scheduled meeting for conduct unbecoming a Member or detrimental to the purposes of the NWBA, provided that said Member shall be given written notice and the opportunity to be heard at the meeting.
- c) Any Member will become inactive for non-payment of dues effective ninety (90) days from the due date. Any member who has not been dropped from membership as in 4.3b shall be reinstated once current dues are paid.

4.4 Voting Requisite: All Members as defined in Paragraph 4.1 above, whose dues are paid current, shall be considered Members of record and shall be entitled to one (1) ballot at General Membership meetings or by mail.

4.5 Membership Meetings: General Membership Meetings shall be held in conjunction with each NWBA Conference. Written notice of the meetings shall be given to all Association members at least thirty (30) days prior to the meeting. Notice may be in the form of an announcement in an Association publication, by postal mail or by electronic data interchange mail as determined by the Board of Directors. The Annual General Membership Meeting of the Association shall be held at the Fall Conference, unless otherwise decided by the membership or Board of Directors.

4.6 Irregularities: The accidental omission to give notice or the non-receipt of any notice by any member will not invalidate any resolution passed or any proceedings taken at any meeting.

4.7 Proxies: No proxy votes shall be allowed.

ARTICLE V – COMMITTEES

5.1 Standing Committees: The Board of Directors shall establish Standing Committees. At least two Directors shall serve on each committee. The President shall appoint

standing committee chairpersons from the Board of Directors, including but not limited to Communications/Publications, Conference/Events, Finance/Budget, and Member Services. The members of such committees shall hold office until the appointment of their successors.

5.2 Ad-Hoc Committees: The Board of Directors shall establish Ad-Hoc Committees as required. The President shall appoint appropriate Ad-Hoc chairpersons. Such committees may contain Members of the Association who are not Directors, but shall have at least one Director as a committee member.

5.3 Nominating Committee: The President shall appoint a Chair and two or more additional Members to the Nominating Committee for the purpose of canvassing the entire membership for nominations and conducting the election. The Nominating Committee shall have responsibility for soliciting nominations from the General Membership.

5.4 Committee Quorum: The majority of any committee of the Association shall constitute a quorum for the transaction of business, unless any committee shall, by a majority vote of its entire membership, decide otherwise.

5.5 Committee Vacancies: The various committee chairpersons shall have the power to fill vacancies in their committees.

5.6 Committee Powers- No Power to Bind Corporation: Notwithstanding anything to the contrary in these bylaws, no committees referenced in this ARTICLE V, or elsewhere in these bylaws, shall have the authority or power to make decisions binding upon the membership, Board of Directors, or corporation. Any decisions reached by a committee shall be in the form of recommendations to the Board of Directors in written form, and shall clearly set forth the reason(s) for such recommendation(s). The Board of Directors shall then consider each said committee recommendation and determine whether to enact or reject it.

ARTICLE VI – OFFICERS

6.1 Officers of the Board: The officers of this Association shall consist of a President, a Vice President, a Secretary, and a Treasurer. Only members of the Board of Directors of the Association shall be eligible to hold an office of the Association.

Proposed new NWBA By-Laws

6.2 Method of Election: Election of officers shall take place at the January Board of Directors Meeting. An affirmative majority vote of the Directors present shall be necessary for election. These officers shall be elected for a term of one year. Officers and Directors may be elected to successive terms.

6.3 President: The President shall preside at all General Membership and Board of Directors meetings; shall be a member ex officio, with right to vote, on all committees except the Nominating Committee; make committee chair appointments; sign such papers as may be required by his or her office or as may be directed by the Board of Directors; make such reports and recommendations as necessary to the Board of Directors and to the Members of the Association at any meetings concerning the work and affairs of the NWBA; request from the Treasurer, Secretary and Committees such reports as in his or her judgment are necessary; and perform such other duties as may be incidental to the office.

6.4 Vice-President: The Vice-President, in the case of the death, disability or absence of the President, shall perform the duties and exercise the powers of the President; sign such papers as may be required by his or her office or as directed by the Board of Directors; perform such other duties as shall be prescribed to him or her by the Board of Directors or the President.

6.5 Secretary: The Secretary, or his or her designated representative, shall issue in writing all notice of meetings of the General Membership and the Board of Directors; receive and disburse all US mail; keep complete records of the meetings of the of all General Membership and Board meetings, including an accurate record of attendance of Board Members; present minutes from the described meetings in written form to the membership for acceptance at the next regularly scheduled meeting; mail such other notices as may be directed by the Board of Directors; be custodian of all records of the NWBA, except such records and papers as shall be kept by the Treasurer; sign such papers as may be required by his or her office or as directed by the Board of Directors; keep a list of the members of the Association; and perform such other duties as may be incidental to the office. At the expiration of his or her term of office, he or she shall deliver over to the successor secretary all books, records and other properties, or in the absence of a Secretary-elect, to the President. In case of

absence or disability of the Secretary, the President may appoint a Secretary pro tem.

6.6 Treasurer: The Treasurer shall keep an account of all monies received and expended for use of the Association and shall make disbursements only upon written vouchers submitted; shall oversee the deposit of all received sums in a bank, or banks, approved by the Board of Directors; make written financial reports to the General Membership and to the Board of Directors at meetings or when called upon by the President; arrange for an annual review of the books by an outside accounting firm, chosen by the Board of Directors; shall have responsibility for filing all required reports with the appropriate local, state and federal governmental agencies. The Treasurer shall be authorized to receive and disburse budgeted funds and shall request approval from the Board of Directors for disbursement of funds in excess of ten percent (10%) of any budgeted item amount. The funds, books and vouchers in his or her hands shall at all times be under the supervision of the Board of Directors and subject to its inspection and control oversight. At the expiration of his or her term of office, he or she shall deliver over to the successor all books, monies and other properties, or in the absence of a Treasurer-elect, to the President. In the case of absence or disability of the Treasurer, the President may appoint a Treasurer pro tem.

6.7 Compensation of Officers: Officers and Directors of the NWBA serve voluntarily and without compensation. However, the NWBA intends that Officers and Directors shall be promptly reimbursed for reasonable, out-of-pocket expenses incurred in the performance of their duties, upon presentation of appropriate receipts or other proof of expense. Such reimbursements shall be paid on the approval of the Treasurer and President.

ARTICLE VII – FISCAL YEAR

The fiscal year of the NWBA shall be the calendar year.

ARTICLE VIII – AMENDMENTS

The power to alter, amend, or repeal these bylaws, or adopt new bylaws, shall be vested in the Board of Directors. A simple majority vote shall be required to enact any said changes. PROVIDED, HOWEVER, prior to making any said bylaw changes, the Board of Directors shall first submit any recommended changes to the General Membership for approval. If less than a two-thirds majority vote of the General Membership in good standing in favor of the said recommendation(s) is obtained, the Board of Directors shall be prohibited from enacting the said recommended change(s).

Proposed new NWBA By-Laws

ARTICLE X - DISSOLUTION

ARTICLE IX - INDEMNIFICATION

Each Director or Officer, now or hereafter, serving the Association shall be indemnified by the Association to the extent of its treasury funds and as permitted by law against all expenses, judgments and liabilities, reasonably incurred by him or her in connection with any action, suit, proceedings or the settlement or compromise thereof, or payment of any judgment or fine resulting in which he or she may become involved by reason of any action taken or omitted by him or her provided that such action was taken or omitted in good faith for the Association. The foregoing right of indemnification shall not be exclusive of other rights to which such director or officer may be entitled as a matter of law. The Board of Directors may obtain insurance policies for the purposes of providing the indemnification referred to and may limit indemnification to the limit of the insurance policy(s).

Dissolution of the Corporation shall occur as follows. First, the Board of Directors shall enact a resolution recommending dissolution of the corporation. Second, the said resolution shall be provided to the General Membership in good standing for review. Third, the General Membership in good standing shall vote upon the resolution, and if a two-thirds majority of those casting ballots are in favor of dissolution is obtained, the Board of Directors shall immediately commence winding up the affairs of the corporation in an orderly fashion and filing with the State any required dissolution paperwork. Any corporation assets which remain after satisfaction of all corporation liabilities shall be conveyed to an organization, or organizations, as determined by the Board of Directors in its sole discretion, organized and operated exclusively for educational purposes and that has/have attained tax exempt status with the IRS under section 501(c) 3 of the Internal Revenue Code of 1986 as amended. In no event shall the assets of the Association be distributed to or inured to the benefit of any individual member.



VOTE for by-laws

Your ballot to cast your vote for the Northwest Blacksmith Association by-laws revision will come in the mail about the same time you receive this edition of the *Hot Iron News*. Ballots must be returned by December 31 of this year.

VOTE for 5 board candidates

Your ballot to cast your vote for five new or continuing members of the Northwest Blacksmith Association Board of Directors will come in the mail about the same time as you receive this edition of the *Hot Iron News*. **VOTE FOR FIVE ONLY!** Ten members are running for the five open director positions. Their statements are contained in this newsletter on pages 40 through 44. Ballots must be returned by December 31 of this year.

REMEMBER —

- **Return your ballots by December 31 of this year.**
- **Vote for FIVE BOARD MEMBERS ONLY!**
- **Vote on the proposed new by-laws.**



New books, videos added this year to NWBA Library

B-141 - Lives Shaped By Steel, by Nancy Zastrow. Nancy's book celebrates over 40 contemporary east coast metal artists with great pictures and interviews. She was a guest at our Corvallis Conference and we obtained an autographed first edition.

B-142 - A Blacksmith's Craft, The Legacy of Francis Whittaker, by George Dixon. Tim Middaugh reviewed this new book in the summer issue of the *Hot Iron News*.

B-143 - The Art of Engraving, by James B. Meek. Excellent book covering all aspects of gun and knife engraving.

B-144 - A Pictorial Encyclopedia of Decorative Ironwork, edited by Otto Hoever. Over 450 photos of ironwork from the twelfth through the eighteenth centuries.

V-30 - Bearing to Blade to Finished Knife, with Ed Fowler. Takes a 3" 52100 steel ball bearing and forges a knife from start to finish.

V-31 - Forging Animal Heads, with Bill Epps. Demonstrates how to forge a dragon, steer, ram, and a horse out of a horseshoe.

V-32 - The Fly Press, with John Crouchet. This is a great introduction to press work, tooling and techniques by a guy with over 30 years experience on fly presses.

Mike Neely, Librarian
2114-A NE Stapleton Rd.
Vancouver, WA 98661-6534
Cell: 360-513-1355
Shop: 360-225-6928

Policies: Only NWBA members in good standing eligible to borrow. Rental fee is \$4/book, \$3/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.

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ABANA

Shop Tips

Fast metal cutting

My friend Renato Muskovic, who speaks only Canadian, asked me to pass on this tip to other blacksmiths.

I translate and it goes like this: If you don't have a plasma cutter, torch cutting and metal cutting band saws can be either slow or messy or both. If you have in your shop a wood cutting band saw capable of approx 3000 rpm you can use it to cut sheet

metal up to 3/16" thick using bi-metal blades. Tooth spacing isn't important, though probably 14 tooth or coarser is better. Using this blade you can cut in excess of 3 feet per minute. From my experience these are most reasonably obtained from Tyler Tool Co., Tyler, Miss or www.tyler-tool.com.

It does not matter if the blade looks dull or not as it's

simply the friction and heat that makes the cut.

My present blade has been in my band saw for over a year and has cut over 200 feet of metal. While this 1/2" blade doesn't turn easily, multiple cuts make the compound shapes of leaves and other rough forms perfect for repousse and other projects.

Gaetan Myre's niece, Christina Lukie, has been hammering since she was 9. Now 16, she offers this poem to the rhythm of swinging a hammer.

Hammer and Hand

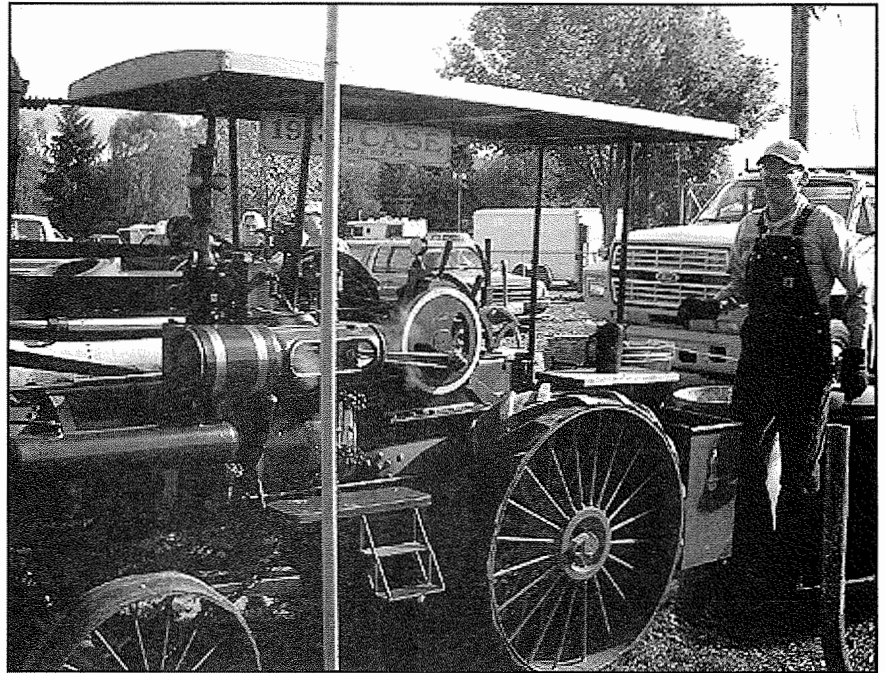
Ding, dong, ding, dong, ting, ting
Ding, pong, pung, ding, pung, pung
Sparks fly as the hammer hits the metal
Little cracks make their way
With every blow, few escape.

The fire roars like a mini inferno,
The metal is warm to the touch
Back to work.
I raise my hammer like a champion's
glove,
Then down to the anvil...
DONG!

The metal moves, inching forwards,
The vibrations shake my arm
I keep going though the pain kills.
Down the hammer goes again and again,
The metal takes shape.

No longer just a metal bar,
But a masterpiece
Created by hammer and hand.

Grind your corn, pump your water, run your power hammer



Elton Hannerson stands at the controls of the 1913 CASE steam engine half-size replica he built. At the fall conference the engine was used to run a hammer at which Adair Orr demonstrated his skills. Elton, who is presently building a Model #1 Harley Davidson, was trading boats with Adair's father, Frank, years ago on the day Adair was born. It's a multi-generational thing. Adair now works as an architect in Seattle

Shop Tips

Some thoughts about hammers

by Bob Race

Swinging a hammer is of a personal preference for the majority of those who practice blacksmithing. There are a few things one should take into consideration while delivering those mighty blows to a seemingly humble piece of hot iron.

It seems like there are many styles and weights of hammer: 11/2 - 2#, usually with a cross-peen, is what most smiths seem to be using. Some like a heavier hammer but will most likely be delivering the same amount of energy. It all has to do with what is known as kinetic energy, which is $1/2 \text{ MASS} \times \text{VELOCITY Squared}$, the squared part is what is important.

The kinetic energy of a one pound hammer going two miles per hour has the same energy as a four pound hammer going one mile per hour. If you double the mass you will only

increase the energy twice as much. If you double the velocity its energy will be QUADRUPLED.

Use good hammer handles — good, straight grain hickory, 14"-16" long. Avoid having the handle too short as then you will not be able to use the longer length to extend the radius of your swing. The longer the radius, the more velocity you will impart to your blow.

Although accuracy is at first diminished, practice will let you overcome that little inconvenience.

Your anvil's height may dictate your posture.

There was a story over a decade ago in the *Anvil's Ring* about a blacksmith apprentice working in his grandfather's shop. One day the old man was watching him pound a piece of iron on the anvil and shouted to him, "Straighten your back." He did, but a little while later he was

once again hunched over the anvil's face pounding merrily away. Then, all of a sudden, there were two mighty hands, one on each shoulder, and a knee in his lower back. He never again stooped over while pounding. Grandfather had spoken.

My anvil is mounted a little bit high so that it forces me to stand up straight, thereby helping my back to be more relaxed than when it is all hunched over.

There are times when it is convenient to bend over your work, but try to make this occurrence happen as seldom as possible.

An Idea To Ponder...

Work at making each piece better than the last. If the fourth piece is not as nice as the third piece, make the fifth piece better than the fourth, and the sixth better than the fifth. Pretty soon the next piece will be better than the last.

**Bends
steel
with
his
bare
hands
(well,
sort of)**



Alternately applying heat to three sides and high pressure cold water John Adolph bent this steel I-beam, much to the delight of a sunny conference afternoon crowd.

Announcements

Relief fund growing for gulf coast smiths affected by hurricanes

The Mississippi Forge Council, Gulf Coast Blacksmiths Association and the Louisiana Metalsmiths Association are all still in the process of locating displaced members and making sure everyone is okay.

In an effort to provide financial assistance to blacksmiths in the areas affected by Hurricane Katrina, ABANA developed a Disaster Relief Fund. Since September 9 the fund has raised \$11,736.00.

Hurricane Rita followed the previous storm disaster along

the gulf coast and donations received after October 1 will now benefit victims of both disasters.

Donations should be by check, U.S. or Canadian Postal Money Order made out to ABANA Relief Fund. Mexican and other international donations are welcome, but please make sure your check is drawn on a US bank and has the nine digit routing number.

One hundred percent collected will be distributed to affected ABANA affiliates or, if necessary, to other public

charities. Disbursal of funds must be based on need and not on any affiliation to ABANA or an ABANA affiliate.

If you know of people in need, please pass the information to the local ABANA affiliate as the local affiliate will distribute the funds to designated individuals.

Toby Hickman of the California Blacksmith's Association and John Steel of the Pittsburgh Area Artist-Blacksmiths Association will work with the affected ABANA affiliates to equitably disburse the ABANA Disaster Relief Funds.

^PHome for the Holidays

The Blacksmiths of the Gulf Region still need our help.

Keep them in your thoughts this holiday season. They will need support rebuilding their shops. The ABANA Hurricane Relief Fund is active, and continues to accept donations.

Donations should be by check, US Postal Money Order or Canadian Postal Money Order made out to "ABANA Relief Fund".

ABANA will provide a receipt for all donations of \$250 or more. Please address your donation to:



**ABANA Relief Fund
P O Box 816
Farmington, GA 30638**

Announcements

Spring NWBA Conference moved to Monroe

The NWBA Spring Conference will take place April 21st through April 23rd, at the fairgrounds in Monroe, Washington. A scheduling conflict forced the move from the Skagit Valley Fairgrounds in Mount Vernon, where the 2005 Fall Conference was held.

This year's conference is a tribute to the works of Samuel Yellin and to celebrate the 100th anniversary of his arrival in America. Yellin brought with him a wealth of knowledge and skills in the art of blacksmithing that we continue to enjoy and learn from today.

Demonstrators will be Doug Wilson from Deer Isle, Maine, and Wendell Broussard from Houston Texas. In addition to Doug and Wendell, several other blacksmithing demonstrations have been planned.

Both Doug and Wendell will host separate blacksmithing demonstrations independent of the Spring Conference as follows:

Doug's demonstration will consist of the design and building of a table and will take place a week prior to the Spring Conference. For more information please contact Kris Ketchum at (360) 658-0803.

Wendell's demonstration will be on Traditional Repousse (hot and cold). For more information please contact Don Kemper at (360) 887-3903.

The hosts for this year's conference are Kris Ketchum and Renato Muskovic

More details to follow in the Spring Edition of the *Hot Iron News*.

Jim Wester edged tool, chisel making class

Jim Wester / North Bay Forge will be sharing the insights he has gleaned over the past two decades of making edge tools in a chisel making class. Although handles will be discussed, they will not be made during the class. The focus will be on the blades - choice of steel, forging, shaping, beveling, heat treating, and final sharpening. Students will each complete numerous blades during the class. One (long) day class, January 14, 2006 // Limited class size // \$100.

Contact Ike Bay at dasbayhaus@worldnet.att.net or Darryl Nelson at 360-832-6280

ABANA SEATTLE 2006 Conference

Dates are set for July 5 through 9 at the University of Washington and Sandpoint Park. Keynote speakers will be Brent Kington and Tom Joyce.

There will be thirty smiths from the Pacific Rim as featured demonstrators also.

Now is the time to volunteer because the current list of things that need doing has reached a million items. Call 706-310-0323 to volunteer your services. The official ABANA Conference website is www.abanaseattle2006.com. It will be continually updated to provide comprehensive information about the conference and tourist information for out-of-region visitors. A brochure containing conference information and a registration form has been sent out. Look for yours.

Repousse' Workshop

Small class size workshops in the art of fine repousse'. The classes, held in downtown Seattle at Black Dog Forge, are taught by Armenian Master Garry Dadyan. Students get right to work creating detailed designs in light copper sheet. Classes are held every Wednesday from seven to nine in the evening. The cost is \$50 per two hour class and there is a buy five, get six classes deal available.

Call or write Viktorya Brichikov at 425-417-1269 or email: garridadyan@hotmail.com, www.melicdadayanart.com.

ABANA 2006!

Conference In Seattle

July 5-8, 2006

- Demos from World Class Smiths
- Classes & Seminars
- World Class Gallery

Phone 706-310-0323

or go to www.abanaseattle2006.com

Announcements

Table Making Workshop

A table making workshop with Doug Wilson will be held in Anacortes April 17 - 20. For information contact Kris Ketchum at 360-658-0803. Total cost is \$500 with \$200 advance due by January 1, 2006. The workshop will be held at Paul Thorne's shop. Only eight spots are offered. Accommodations and meals are not included.

Understanding Mosaic Damascus

A class on understanding mosaic Damascus - pattern development and distortional relations with Tom Ferry will be held at David Lisch's Studio in Seattle. The two day class will be held late in February or early March, 2006.

Call Dave at 206-919-5431 if you want to attend or for more information.

The Ornamental Iron Shop classes

Setting—Metalsmith studio is located in beautiful friendly rural upstate South Carolina.

Schedules — Our classes are scheduled based on the needs of the individual student and the availability of the time slot requested. Contact the instructor to register and customize your class.

John D. Thompson — Metalsmith
3923 Hwy 25; Hodges, SC 29653
Phone: 864.374.3933

Meridian Forge schedule of winter and spring classes and workshops

Meridian Forge, a fully equipped teaching facility near Eatonville, Washington, continues its noted tradition of classes for blacksmiths of all degrees of experience.

Standard class fee is \$300. Garden gate class fee is \$400. All classes have a \$100 non-refundable deposit. Camping available on site, motel accommodations 1-360-832-3200 OR 1-800-832-3248. Identify yourself as a Meridian Forge Student for preferable rates. Restaurants nearby in Eatonville.

Contact Darryl Nelson
at 360-832-6280.

Jim Wester Workshop
Jan. 14

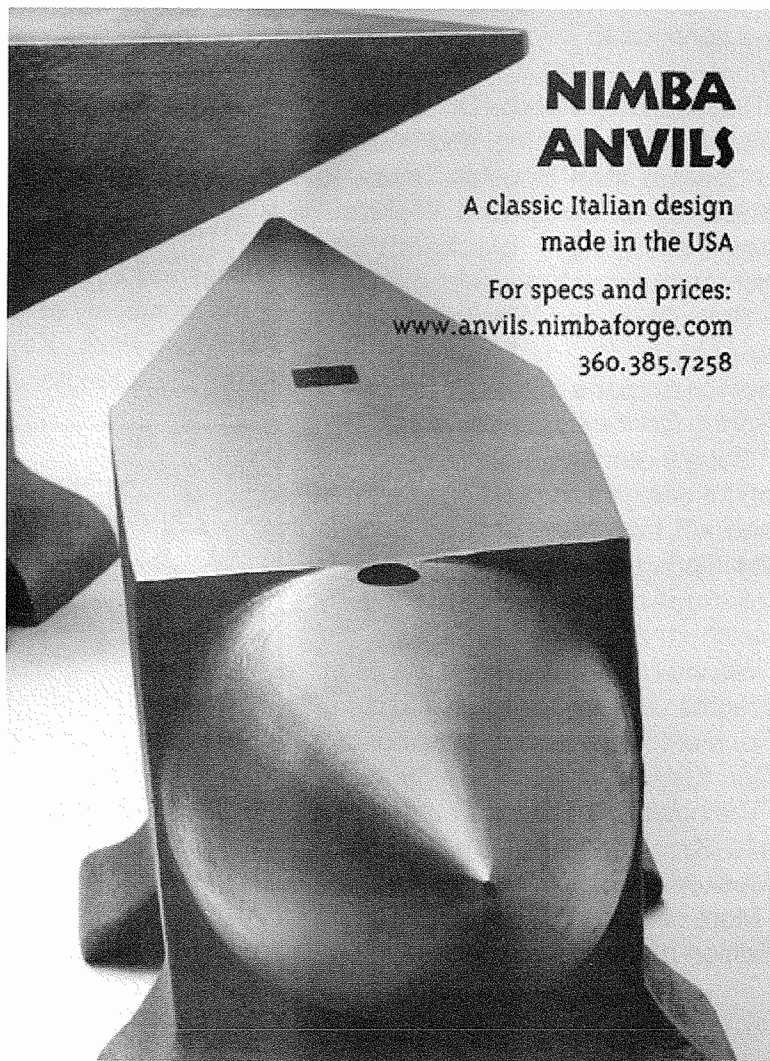
(toolmaking one day class - \$100)

Traditional Joinery Three
Jan. 27-29

Basic Blacksmithing
Feb. 24-26

Animal Head Workshop
Mar. 24-26

Traditional Joinery One
April 21-23



From the editor

Ten candidates running for five board positions on the NWBA Board of Directors.

When you read their statements on pages 7 through 11 of this edition you'll find yourself in the same quandary as many of your fellow NWBA members. All of the candidates are good people. They are all well qualified and would almost certainly do a great job carrying on the tradition of this newly revitalized organization.

What to do is to be sure to fill out your ballot and get it in the mail by December 31. Make your best picks. Thank everyone who ran for stepping

up. Mostly, I think, be glad you are part of a group that understands it takes some volunteering from every member to assure the continuing vitality of the association.

It also takes everyone's participation in the voting process.

Newly written by-laws are part of the ballot this time around also. They are published in this edition on pages 40 to 44.

Fall Conference was great fun. Don Kemper refers to demonstrator John Adolph as the "Energizer Bunny on Steroids." If you watched John bounce all of his seven plus decades around the forge and anvil you can

understand what Don means.

Kris and Renato advise that the Spring Conference has been changed from Mount Vernon to Monroe. Not much geographical difference. Monroe, like Mount Vernon, is no longer the sleepy little town you may remember from your last visit. Tucked away from the glitter and glitz of the malls are some great shops and restaurants. Hope to see you there.

Have a great holiday and an even better new year!

Jim

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

Classifieds

Rifling machine for sale

Doug O'Connor has a rifling machine for sale that is designed for muzzle loading barrels. It was built many years ago by Capt Capbell along the lines of those used at Harper's Ferry Arsenal. It is a sine bar unit so the twist setting can be changed. There are some drills, reamers and cutting tools along with the unit. I think it will do a barrel up to 42 inches This machine needs to find a proper home! Interested parties should contact Douglas O'Connor 1548 19th Ave, Forest Grove, OR 97116. Phone 503 504 5374

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

Coal Forge

Coal forge in good condition, cast iron hearth with built-in coal/water trough, firepot with tuyere, half hood, pipe legs, \$395 OBO. call 541-929-7371 or email jerryzyg@comcast.net

Platten Tables

Two tables 42"x84"x5" thick, \$1200 ea.; three tables 5'x5'x5" thick, \$700 ea.; one table 5'x25'x5" thick, \$3500; one steel table 7'x16'x3/4" thick, \$1000. Steel saw horses for fabrication. Misc. blacksmith equip. Call Dick Franklin at 253-862-9310, Buckley.

Air Hammers

415 lb. self-contained DeMoor Air Hammer (made in Belgium in 1972). Excellent running condition. \$12,500 (usd). 300 lb. self-contained Vulcan Air Hammer (made in Germany). Excellent running condition. \$9,500. (usd). Renato Muskovic, 604-888-9388

ATTENTION: POWER HAMMER ENTHUSIAST

Call for articles, pictures and designs for hammer installation, power and belt drives, brakes, dies and tooling, etc. Send to: Jorgen Harle, Orcas Island Forge, P.O. Box 341, Eastsound, WA. 98245

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

SEND YOUR CLASSIFIEDS TO
jma66mn@thewiredcity.net or call
253-879-8455

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. 15

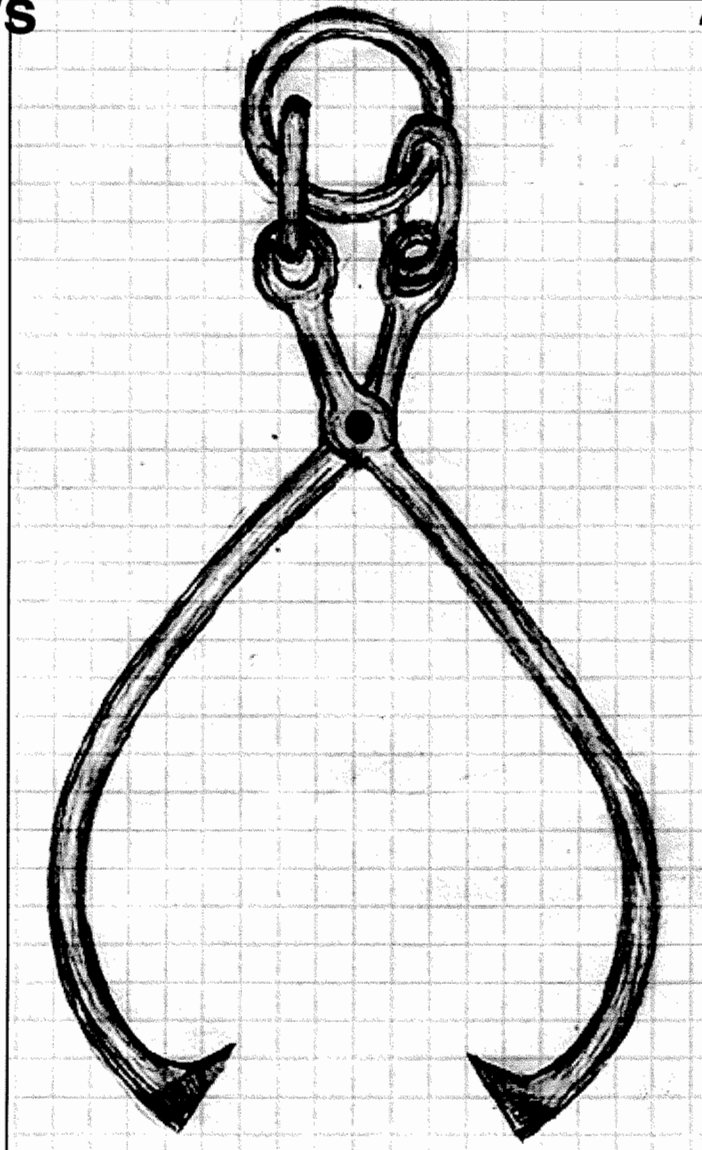
Nov. 15, Feb. 15

(Sooner is always better than later)

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

**VOTE
By Dec. 31
for new
board
members,
new by-laws**

Every member's vote
is important,
yours included!



Logging
Tongs
by
John
Adolph

Drawing by Al Griswold

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