February Meeting

February 2nd – 6:00pm at David Thompson's shop. If you didn't get the directions in the meeting notice, email me for them: michael@elementalforge.com.

Bring your show-n-tell!

April Table Give-Away

A paid-up table holder for the OKCA show had to cancel, and said instead of a refund he wishes to give the table to a maker who would like to do the show but lacks the funds for a table.

We will hold a drawing at the February meeting for anyone who wants to do the April show but can't see clear to pay for a table. Thank you to the OKCA and to the table holder!!

Notes and Reminders

Ballot Measure 100 – be aware that the passage of the Oregon Wildlife Trafficking Prevention Act bans the sale of items containing any parts of: (i) elephant; (ii) rhinoceros; (iii) whale; (iv) tiger; (v) lion; (vi) leopard; (vii) cheetah; (viii) jaguar; (ix) pangolin; (x) sea turtle; (xi) shark (excluding spiny dogfish as defined in ORS 498.257(1)); or (xii) ray.

The prohibition of ray and shark especially will impact makers using their skin for traditional handle & sheath coverings.

As has been reported, we can't expect government employees to distinguish between (for example) elephant tusk and similar material from non-protected species or even convincing synthetics. When you consider that several folks have reported that their international sales of items containing Damascus
steel were impounded due the the trade embargo with Syria even though the items were not destined for Syria (Damascus, Syria – get it?) then you can see what we may be up against.

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**Antique & Knife Show at the Portland Expo Center** – I have it on good authority that the Knife Show portion of this event (scheduled for March) has been canceled. If you were planning on attending for the knife portion you might keep an eye on the event coordinator's website.  

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**Willamette Valley Arms Collectors Association Gun Show** - March 18th-19th at the Lane Events Center. OKCA will have two knife tables.  
[http://www.wvaca.org/show_dates.html](http://www.wvaca.org/show_dates.html)

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**OKCA Knife Show** – April 7th (OKCA members only) – 8th & 9th (public) at Lane Events Center.  
[http://www.oregonknifeclub.org/okcashow.html](http://www.oregonknifeclub.org/okcashow.html)

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**Bent River Forge aka Farrier Supplies** – ongoing intro to blacksmithing and other classes:  
[https://www.facebook.com/FarrierSuppliesOR/](https://www.facebook.com/FarrierSuppliesOR/)

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**Northwest Blacksmith Association** – Blacksmith Week will be August 17-20 – see [http://blacksmith.org/events/](http://blacksmith.org/events/) for all events.

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Mike Johnson sent in this note:

First finished knife of 2017. Cable Damascus blade 3 5/8" with OAL of 8 1/4". Copper guard and copper "Sally Martin" mosaic pins. The handle is Claro walnut with a 6 coat CA finish, sanded with 2000 grit between the coats and hand rubbed with paper bag for a semi gloss very hard finish.

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From Facebook posts, John Emmerling notes that he is getting good deals on grinder belts, and good customer service, from Especially Abrasives (John found them on eBay or you can find them at [http://www.especiallyabrasives.com/](http://www.especiallyabrasives.com/) – although he does not recommend the Fandelli belts – the 36 grit tended to break on him.

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Another Facebook post is more disturbing. In the image below, the left purports to be an x-ray of the patient in his late teens – and the image on the right of the same patient at 26, after exposure to home forges where the insulating wool was NOT coated. The resulting silicosis of the lungs is something you wouldn't wish on your worst enemy.  
[https://www.facebook.com/groups/1119671338064808/permalink/1399753240056615/](https://www.facebook.com/groups/1119671338064808/permalink/1399753240056615/)
“[the] patient who is now 26 works in an office setting and [his] only exposure to ceramic fibers is the insulation lining of his home forges.”

So coat your Kaowool, Inswool, or whatever ceramic insulation you have in your forge.

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Frank Bobbio did some digging on solvents and notes that from what he found, “acetone is one of the safest along with denatured alcohol and odorless mineral spirits.” Here’s the web page he found most straightforward:


Personally, I use alcohol first – then acetone if the alcohol doesn’t cut it.

A smattering of photos from the club – 2011-2014:
Have fun all – and work safe!

~ ~ ~ Michael Kemp

FREE DE-CLASSIFIEDS

Email me a brief description of what you are selling/buying/looking for with your preferred contact (phone/email/...). Unless you let me know you want a shorter run, I'll run the note for 3 months and then send you an email to see if it's still valid. No charge – just email me at Michael@ElementalForge.com

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Lynn Moore is setting up a new shop and has these “extra” items from the old shop for sale:
- Propane forge $50
- DeWalt 12” abrasive wheel chop saw $40
- Heavy duty vice $25
Contact: beeblues26@msn.com or 541 554-5294

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OKCA members: knifemaker items are often put up for sale in their classifieds – so remember to check their newsletters: http://www.oregonknifeclub.org/

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WEBSITE LINKS

5160 Club

5160 Club Newsletters are archived at: http://www.elementalforge.com/5160Club/

Hint: to Google the archive for a specific knife style or presenter name, use a search like this:
sami site:http://www.elementalforge.com/5160Club
or this:
ron lake site:http://www.elementalforge.com/5160Club

OREGON KNIFE COLLECTORS ASSOCIATION (OKCA)

The OKCA hosts monthly dinner meetings where you are guaranteed to see treasures from the wide world of “things that go cut!” OKCA also puts on the big knife show in April – if you haven't seen it you've been missing something special!

http://www.oregonknifeclub.org/index.html
Go to the “Knewslleter” link and scan a recent newsletter for a membership form and contact info.

FORUMS

Bladesmith's Forum aka Don Fogg Forum
http://www.bladesmithsforum.com/

Knifedogs Forum (USA Knifemaker)
http://knifedogs.com/forum.php

American Bladesmith Society
http://www.americanbladesmith.com/ipboard/

Usual Suspects Network
http://www.usualsuspect.net/forums/forum.php

Blade Forums

Peter Newman of Bent River Forge/Farrier Supplies has a closed Facebook group for Oregon Blacksmiths
https://www.facebook.com/groups/173156733117832

Julious Griffith's knife groups on Facebook:
• Custom Knives For Sale by Maker - Available now
• Knifemaking - Works in Progress (w.i.p.’s)
• Knifemaking Equipment Buy, Sell, or Trade (used only)
• Knifemaking - Masters to paying Students connection
• Knife shop photos
• Knife Calendar - Events, shows, hammer-ins, schools, misc.
These are all closed groups – to keep them focused – so if you want to join one of the groups, click the “+ Join Group” button and also message Julious and give him some info on yourself so he knows you have real interest in the group.

REFERENCES

Our own Wayne Goddard's books are available at Amazon:
http://www.amazon.com/Wayne-Goddard/e/B001JS9M10
And you can email the Goddards directly for his DVD at wgoddard44@comcast.net

Most of the companies in the “Knife Maker General” links (below) have a section for how-to books and DVDs.

Verhoeven's Metallurgy For Bladesmiths PDF – this is a very deep dive, not an introduction.
http://www.feine-klingen.de/PDFs/verhoeven.pdf

Verhoeven's updated book:

ZKnives – Knife steel composition/comparison/etc.
http://zknives.com/knives/steels

Kevin Cashen’s Bladesmithing Info
http://www.cashenblades.com/info.html

Tempil Basic Guide to Ferrous Metallurgy


My “Knife Info” has some knife musings and cheat sheet charts – plus Oregon and Eugene knife laws:
http://elementalforge.com/tips_notes/

CLASSSES FOR KNIFE MAKING, ETC.

Gene Martin offers personal instruction at his shop south of Grants Pass for a daily rate.
http://www.customknife.com/

Michael and Gabriel Bell of Dragonfly Forge offer an ongoing series of small group classes in Japanese style sword forging and fittings. Located on the southern Oregon Coast.
http://dragonflyforge.com/

Murray Carter offers small group classes in a variety of subjects, primarily focused on traditional Japanese cutlery. Located in Hillsboro, Oregon.
http://www.cartercutlery.com/bladesmithing-courses/

David Lisch is an ABS Master Smith who has taught classes in Washington. He recently moved his shop and has not restarted classes yet – keep an eye out on this page:
http://www.davidlisch.com/Learn.html

Jim Hrisoulas now offers both formal classes and mentoring sessions in 2 hour blocks at his shop in Henderson, Nevada:
http://www.atar.com/joomla/ and click the “Bladesmithing Classes” link.

The ABS (American Bladesmith Society) offers classes in Washington, Arkansas and elsewhere – if you are up for traveling across the country to take classes, check out their “Schools” link:
http://www.americanbladesmith.com/

James Austin offers forging classes in Oakland, CA – axes, tongs, viking anvil, etc.:
http://fordaxedes.com/?page_id=148
Blacksmithing classes at Farrier Supplies aka Bent River Forge
26729 99W, Monroe, Oregon
Coal, coke, forges, parts, tools, classes...
https://www.facebook.com/FarrierSuppliesOR
(541) 847-5854

Blacksmithing and some bladesmithing workshops are hosted regularly by the Northwest Blacksmith Association: http://blacksmith.org/

USA Knifemaker has a lot of fun & informative videos on their YouTube channel:
https://www.youtube.com/user/USAKnifemaker/videos
…and hey - “free” is a hard price to beat!

Nick Wheeler also has a good YouTube channel with a lot of how-to videos:
https://www.youtube.com/user/NickWheeler33/videos

**GENERAL TOOLS & SUPPLIES**

Woodcraft of Eugene – thanks to Joe & the crew for six years of hosting 5160 Club meetings – we’ve had to move on, but the hospitality was appreciated.

MSC Direct
http://www.mscdirect.com/

McMaster-Carr
http://www.mcmaster.com

Grainger
http://www.grainger.com

Surplus Center
http://www.surpluscenter.com/

Victor Machinery Exchange
http://www.victornet.com/

**KNIFE MAKER GENERAL**

Knife kits, steel, tools, machines, supplies such as handle material, fasteners, belts, glues, finishes, etc.

Jantz Supply – Davis, OK
http://www.knifemaking.com

Texas Knifemaker's Supply – Houston, TX
http://www.texasknife.com

USA Knife Maker's Supply – Mankato, MN
http://www.usaknifemaker.com/

Knife and Gun (K&G) – Lakeside, AZ
http://www.knifeandgun.com/

Alpha Knife Supply – ?Everett, WA?
http://www.alphaknifesupply.com/

True Grit – Ontario, CA
http://www.trugrit.com

Especially Abrasives – lower cost 2x72 belts
http://www.especiallyabrasives.com/

**KNIFE STEEL SOURCES**

New Jersey Steel Baron
http://newjerseysteelbaron.com/

Kelly Cupples (High Temp Tools) – Alabama
http://www.hightemptools.com/steel.html

Niagara Specialty Metals – New York
http://www.nsm-ny.com (click Products/Knife Steels)

SB Specialty Metals – New York & Texas
http://shop.sbsm.com/

Bohler Uddeholm – numerous U.S. locations
http://www.bucorp.com/knives.htm

Sandvic – stainless steels – Texas & Pennsylvania

Pacific Machinery & Tool Steel – Portland, Oregon
http://www.pmtsco.com/tool-die-steel.php
**Knifemaker Equipment**

Beaumont (KMG) [Ohio] – the industry-benchmark 2x72 belt grinder
http://www.beaumontmetalworks.com/shop/

Travis Wuertz [Arizona] – premium versatile grinder

Pheer [Gresham, Oregon] – affordable grinder made in Oregon
http://www.2x72beltgrinder.com

AMK [Ohio] – affordable grinder, quick-change between platen & contact wheel
http://amktactical.com/

Coote [Port Ludlow, Washington] – affordable, simple grinder – you supply the motor
http://www.cootebeltgrinder.com

Marinus Kuyl [Hillsboro, Oregon] – another affordable grinder made in Oregon – and parts – you provide the motor.
http://oregonblademaker.com

Grinder-In-A-Box – grinder kit, assembly required
http://www.polarbearforge.com/grinder_kit_order.html

The “No Weld Grinder” plans can be purchased from
http://usaknifemaker.com
either as a booklet or as a download – just use the search box to enter “no weld grinder”

Wayne Coe [Tennessee] – grinders, motors, VFDs...
http://www.waynecoeartistblacksmith.com

Contact Rubber Corp – wheels etc.
http://contactrubber.com/contact-wheels.asp

Sunray – drive wheels
http://www.sunray-inc.com/drive-wheels/

Renaissance Metal Art [Mulino, Oregon] – 80# ram air hammer
http://www.rmetalart.com/tools.htm

Anyang [Texas] – air hammers from 20# to 165#
http://www.anyangusa.net/

Meyer Machine Tool [Ohio] – treadle hammer
http://www.meyermachinetool.com/Blacksmith-div-.html

Spencer/Clontz tire hammer plans/workshops
http://www.alaforge.org/Trading_Post.html

Appalachian Power Hammer plans
http://www.appaltree.net/rusty/index.htm

https://www.youtube.com/watch?v=uzruqYkKGfNM

True Grit – under “Machines & Accessories”
http://www.trugrit.com

**Forge & Refractory**

Chile Forge
San Marcos, Texas
http://www.chileforge.com/

Mankel Forge – Muskegon, Michigan
http://mankelforge.com/forges.html

Western Industrial Ceramics Inc.
All things refractory – Tualatin, Oregon
http://www.wicinc.com/

High Temp Tools (scroll down the page for the category buttons) Tuscaloosa, Alabama
http://www.hightemptools.com/supplies-mainpage.html

High Temp Inc. has also been recommended for Kaowool etc. Portland, Oregon
http://hightempinc.net/

Omega – thermocouples & measuring equipment
Stamford, Connecticut
http://www.omega.com/

Auber – more thermocouples and controllers, etc.
Alpharetta, Georgia
http://www.auberins.com
Hybridburners – home of the venturi T-Rex
Smithville, Georgia
http://www.hybridburners.com/

Pine Ridge Burners – for ribbon burners and all associated fittings, blowers, valves, etc.
Conway, Massachusetts
http://www.pineridgeburner.com

Zoeller Forge – low cost venturi & parts: Z Burners
Lanesville, Indiana
http://zoellerforge.com/

Here's the original article on making a ribbon burners that John Emmerling wrote back in 2005 for the NWBA Newsletter:
You can download the PDF from that site. John's article starts on page 11.

**BLACKSMITH**

Farrier Supplies
26729 99W, Monroe, Oregon
Coal, coke, forges, parts, tools, classes...
https://www.facebook.com/FarrierSuppliesOR
(541) 847-5854

Blacksmith Depot
http://www.blacksmithsdepot.com

Pieh Tool
http://www.piehtoolco.com

Centaur Forge
http://www.centaurforge.com

Quick and Dirty Tool Co.
http://quickanddirtytools.com/

**LOGO/ETCHING**

Ernie Grospitch – Blue Lightening Stencil
http://www.erniesknives.com/

IMG International Marking Group
http://img-electromark.com/

Electro-Chem Etch
http://www.ecemmi.com/products.html

**HEAT TREAT SERVICES**

Here are some folks who provide heat treating services for blades. While all of these have been recommended by one reputable person or another I have not had experience with them. If you use one, let us know how it went!

Paul Bos Heat Treating at Buck Knives. Paul Bos has retired and handed the torch to Paul Farner. Highly reputable. Post Falls, Idaho:
http://www.buckknives.com/about-knives/heat-treating/

Peters Heat Treating is another highly reputable operation. Meadville, Pennsylvania:
http://www.petersheattreat.com/cutlery.html

Texas Knifemaker's Supply offers heat treat services. Houston, Texas:
http://www.texasknife.com/vcom/privacy.php#services

Tru-Grit provides heat treat services. Ontario, California: https://trugrit.com/index.php?main_page=index&cPath=34

K&G also provides heat treat services but I can't find a reference on their web site – you'll have to contact them for details. Lakeside, Arizona:
http://www.knifeandgun.com/default.asp

Byington Blades heat treat service is in Santa Clara, California: http://www.byingtonblades.com/

It's my understanding that Chris Reeve Knives uses ACE Co in Boise Idaho – which is enough for me to add them to the list:
http://www.aceco.com/heattreat/index.html
**WOOD SUPPLIERS**

Burl Source – handle blocks/scales – So. Oregon  
http://www.burlsales.com/

Shelton Pacific – stabilized wood – Shelton, WA  
http://stores.sheltonpacific.com/

Gilmer Wood – N.W. Portland  
https://www.gilmerwood.com/

North Woods Figured Wood – Gaston, OR  
http://www.nwfiguredwoods.com/

**WOOD STABILIZING**

K&G (Knife and Gun) – Lakeside, AZ  
Good reputation with everybody.  
http://www.knifeandgun.com/

Gallery Hardwoods – Eugene, OR  
I've purchased stabilized blocks from them at the April show. They tend to be heavier, presumably more durable/stable but less wood-feel than others.  
http://www.galleryhardwoods.com/stabilized.htm

WSSI (Wood Stabilizing Specialists International, Inc.) – Ionia, IA – some folks have had issues with them, some folks are totally happy.  
http://www.stabilizedwood.com/

Alpha Knife Supply – ?Everett, WA?  
http://www.alphaknifesupply.com/

Turn Tex Woodworks – San Marcos, TX  
“Cactus Juice” and pressure chambers etc. for the do-it-yourself folks – your mileage may vary.  
https://www.turntex.com

Oregon Leather – 810 Conger Eugene and 110 N.W.  
2ND Portland  
http://www.oregonleatherco.com/

Coyote Steel – wide variety of new steel, scrap, copper, brass, bronze – Garfield & Cross St. Eugene  
http://www.coyotesteel.com

Cherry City Metals – Salem, Oregon – metal recycling and useful objects  
http://www.cherrycitymetals.com/

Amtek – tool steel & cutting tools  
http://websales.amtektool.com

Rio Grande – jewelry tools/supplies  
http://www.riogrande.com

Otto Frei – jewelry tools/supplies  
http://www.ottofrei.com

M3 Composite – space age mokume & other  
http://www.m3composite.com/

Voodoo Resins – striking resin handle material  
http://www.voodooresins.com/

Minarik automation & control  
http://www.minarik.com/

Valley Stainless (that does water-jet cutting) is one of Craig Morgan's customers. They told Craig “bring in a pattern” and they'd work with you on small batch cutting. They don't have a website yet. 29884 E Enid Rd, Eugene, Oregon 97402 (541) 686-4600.

**OTHER GOODIES**

Sally Martin Mosaic Pins – So. Oregon  