The Mostly Monthly Newsletter of the

Eugene 5160 Club ~ August 2019

https://www.facebook.com/5160Club


August Meeting

Thursday August 1st – 6:00pm at David Thompson's shop. Please do not arrive before 5:45pm. If you didn't get the directions in the meeting notice, email me for them: michael@elementalforge.com

Bring your show-n-tell!

Request from the Thompsons:
“Please drive very slowly down our lane. The maintenance is all ours. Thanks.”

Notes And Reminders

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Check out the “Classes for Knifemaking, etc.” section at the end of the newsletter for offerings around the region. Let me know if there's more that I should add to this list.

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David Thompson – has coke and coal for sale (near Jerry's in Eugene, OR) – Talk to him at one of our meetings or call 541 688-2348.

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Hammer-In

David Thompson was our host again for the 5160 Club of Eugene's 2019 Hammer-In – not only providing the venue, but a coal forge and bringing out one of his power hammers – Many Thanks Dave!

I get off easy with this month's newsletter, as it's just photos from the hammer-in. There's even a guest appearance of a Goddard refractory brick forge and one of Wayne's hand-built anvils.

We had a great mix of experience and newbies.
And “yes” I do believe a good day was had by all – I may be biased but I’m also right!
If this grin doesn't say "I had a good day at the hammer-in" I don't know what does!
The dwarves of yore made mighty spells,
While hammers fell like ringing bells,
In places deep, where dark things sleep,
In hollow halls beneath the fells.

~ ~ J.R.R. Tolkien

Well, we were not in deep places – and I wouldn't know what sort of spells were being cast – but if you want to hear hammers falling like ringing bells, check out the video of the hammer-in that I posted on the 5160 Facebook page (be sure to un-mute):

https://www.facebook.com/5160Club/videos/2531816003809256

Have fun and work safe -

Your Scribe ~ Michael Kemp

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 a small show in December and 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 “Knewlsletter” 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)
https://knifedogs.com/

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

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

Blade Forums
http://www.bladeforums.com/

Hype-Free Blades
http://www.hypefreeblades.com/forum

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

REFERENCES

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 Sg2goddard@comcast.net

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
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. I no longer see the original free PDF – but here's the updated book on Amazon:

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

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

Knife Steel Nerds – a metallurgist's blog on the technical details of steel
https://knifesteelnerds.com

Tempil Basic Guide to Ferrous Metallurgy
http://es.tempil.com/assets/5/31/Basic_guide_to_ferrous_metallurgy_(2).pdf


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

**Classes for Knife Making, Etc.**

Erik Olson is teaching intro to forged knives in Eugene. I don't have a business contact but his personal Facebook page is:
https://www.facebook.com/erik.olson.77715

Farrier Supplies aka Bent River Forge offers intro and advanced blacksmithing classes – and supplies.
26729 99W, Monroe, Oregon
Coal, coke, forges, parts, tools, classes...
https://www.facebook.com/FarrierSuppliesOR
(541) 847-5854

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

Bear Iron in Cottage Grove offers blacksmith classes through Lane Community College.
https://www.beablacksmith.com/sign-up

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/

White Hart Forge offers intro to blacksmithing classes plus some advanced classes and some intro to knife making classes. Oak Grove, Oregon (just south of Portland). https://whitehartforge.com/classes/

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

David Lisch is an ABS Master Smith who teaches classes in Washington.
http://www.davidlisch.com

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://forgedaxes.com/?page_id=148

Keep an eye out on California Blacksmith Association for workshops and events:
http://calsmith.org/CBA-Events

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](https://www.youtube.com/user/NickWheeler33/videos)

**GENERAL TOOLS & SUPPLIES**

- **Zoro**
  [https://www.zoro.com/](https://www.zoro.com/)

- **MSC Direct**

- **McMaster-Carr**
  [http://www.mcmaster.com](http://www.mcmaster.com)

- **Grainger**
  [http://www.grainger.com](http://www.grainger.com)

- **Surplus Center**

- **Victor Machinery Exchange**

- **Widget Supply - Dremel tools, needle files, craft knives, drill bits, etc – Albany, Oregon.**
  [https://widgetsupply.com](https://widgetsupply.com)

And of course there are the local hardware stores like Jerry's, and chains like Harbor Freight and Woodcraft.

**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](http://www.knifemaking.com)

- **Texas Knifemaker's Supply – Houston, TX**
  [http://www.texasknife.com](http://www.texasknife.com)

- **USA Knife Maker's Supply – Mankato, MN**

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

- **Alpha Knife Supply – Cedar City, UT**

- **True Grit – Ontario, CA**
  [http://www.trugrit.com](http://www.trugrit.com)

- **Especially Abrasives – lower cost 2x72 belts**

**KNIFE STEEL SOURCES**

- **New Jersey Steel Baron**

- **Kelly Cupples (High Temp Tools) – Alabama**

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

- **SB Specialty Metals – New York & Texas**

- **Sandvic – stainless steels – Texas & Pennsylvania**

- **Pacific Machinery & Tool Steel – Portland, Oregon**

- **Alpha Knife Supply – Cedar City, UT**

**KNIFEMAKER EQUIPMENT**

- **Beaumont (KMG) [Ohio] – the industry-benchmark 2x72 belt grinder**

- **Travis Wuertz [Arizona] – premium versatile grinder**
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<tr>
<th>Company</th>
<th>Location</th>
<th>Description</th>
<th>Website</th>
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<tbody>
<tr>
<td>Pheer [Gresham, Oregon]</td>
<td>Affordable grinder made in Oregon</td>
<td></td>
<td><a href="http://www.2x72beltgrinder.com">http://www.2x72beltgrinder.com</a></td>
</tr>
<tr>
<td>Marinus Kuyl [Hillsboro, Oregon]</td>
<td>Affordable grinder made in Oregon – and parts</td>
<td>You provide the motor</td>
<td><a href="https://originblademaker.com/">https://originblademaker.com/</a></td>
</tr>
<tr>
<td>Grinder-In-A-Box</td>
<td>Grinder kit, assembly required</td>
<td></td>
<td><a href="http://www.polarbearforge.com/grinder_kit_order.html">http://www.polarbearforge.com/grinder_kit_order.html</a></td>
</tr>
<tr>
<td>Wayne Coe [Tennessee]</td>
<td>Grinders, motors, VFDs...</td>
<td></td>
<td><a href="http://www.waynecoeartistblacksmith.com">http://www.waynecoeartistblacksmith.com</a></td>
</tr>
<tr>
<td>Contact Rubber Corp</td>
<td>Wheels etc.</td>
<td></td>
<td><a href="http://contactrubber.com/contact-wheels.asp">http://contactrubber.com/contact-wheels.asp</a></td>
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<tr>
<td>Sunray</td>
<td>Drive wheels</td>
<td></td>
<td><a href="https://www.sunray-inc.com/products/wheels/">https://www.sunray-inc.com/products/wheels/</a></td>
</tr>
<tr>
<td>Anyang [Texas]</td>
<td>Air hammers from 20# to 165#</td>
<td></td>
<td><a href="http://www.anyangusa.net/">http://www.anyangusa.net/</a></td>
</tr>
<tr>
<td>Spencer/Clontz</td>
<td>Tire hammer plans/workshops</td>
<td></td>
<td><a href="http://www.alaforge.org/Trading_Post.html">http://www.alaforge.org/Trading_Post.html</a></td>
</tr>
<tr>
<td>Helve Hammer and Quick-Change Dies Video</td>
<td>From a BladesmithsForum.com thread.</td>
<td></td>
<td><a href="https://www.youtube.com/watch?v=uzruqYkKGNM">https://www.youtube.com/watch?v=uzruqYkKGNM</a></td>
</tr>
<tr>
<td>True Grit</td>
<td>Under “All Products”/“Machines &amp; Accessories”</td>
<td></td>
<td><a href="http://www.trugrit.com">http://www.trugrit.com</a></td>
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## FORGE & REFRATORY

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<tbody>
<tr>
<td>Western Industrial Ceramics Inc.</td>
<td>All things refractory</td>
<td>Tualatin, Oregon</td>
<td><a href="http://www.wicinc.com/">http://www.wicinc.com/</a></td>
</tr>
<tr>
<td>High Temp Inc.</td>
<td>Portland, Oregon</td>
<td>For Kaowool, castable refractory, fire brick up to 2,600°f, etc.</td>
<td><a href="http://hightempinc.net/">http://hightempinc.net/</a></td>
</tr>
<tr>
<td>Auber</td>
<td>Alpharetta, Georgia</td>
<td>More thermocouples and controllers, etc.</td>
<td><a href="http://www.auberins.com">http://www.auberins.com</a></td>
</tr>
<tr>
<td>Pine Ridge Burners</td>
<td>Conway, Massachusetts</td>
<td>For ribbon burners and all associated fittings, blowers, valves, etc.</td>
<td><a href="https://www.pineridgeburner.com">https://www.pineridgeburner.com</a></td>
</tr>
</tbody>
</table>
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 aka Bent River Forge
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/STAMPS**

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

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

Marking Methods, Inc.
http://www.markingmethods.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/?s=cutlery

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/
WOOD & HANDLE MATERIAL

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/

Bamboo Oasis – wide variety of bamboo – Beaverton, OR phone 503-703-1345
https://bamboooasis.com/

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


For Eugene area boards, planks, etc. there's:

Crosscut Hardwoods at 2344 W 7th, Eugene
http://www.crosscuteugene.com/

Tree Products Hardwoods at 150 Seneca, Eugene
http://treeproductshardwood.com/

and it doesn't hurt to check Mike's Bargain Center on Hwy 99 just south of Beltline, Eugene
https://www.facebook.com/MikesBargainCenter/

WOOD STABILIZING

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

Gallery Hardwoods – Eugene, OR
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 – Cedar City, UT
http://www.alphaknifesupply.com/

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

OTHER GOODIES

Grey Leather Company – Eugene – Hannah Morgan does custom leatherwork, including sheaths.
https://www.facebook.com/GreyLeatherCo/
https://www.etsy.com/shop/GreyLeatherCo

Sally Martin Mosaic Pins – So. Oregon

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

http://www.burchamsmetals.com

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

Amtek – tool steel & cutting tools
http://www.amteksteel.com/index.html

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/ 

The Engineering Toolbox (formula & info reference) 
http://www.engineeringtoolbox.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.