May Meeting
AT DAVID THOMPSON'S SHOP

That's right – the wandering 5160 Club has found a new home! The Thompsons have graciously offered David's shop for 5160 Club meetings. If you didn't get the directions in the members' email, email me directly for them: michael@elementalforge.com.

The meeting is on May 7th – 6:00pm – warm clothes and a folding chair are recommended (David has a few chairs but we might run short).

Hands off the tools & equipment unless David is supervising. If you've been to the shop – where we had the hammer-in and Goddard appreciation gathering last year – then you know we have found a great place to meet. Bring your show-and-tell!

April Meeting Notes

Our meeting at Sizzler started out by singing “Happy Birthday” with the other party sharing the meeting room - honoring their matriarch's 99th birthday! A couple of folks from their party buttonholed us for info at the end of the evening – so it was all good. But the acoustics in the room made for a rather chaotic meeting... and garbled the audio on my recording – so this is another brief newsletter.

Michael Kemp (that would be me) started off the show-and-tell with my latest prototype for my kitchen knife set: a random pattern Damascus cleaver.

Approximately 700 layers 1095/15N20, brass bolster, curly maple handle finished with a mix of carnauba wax, bee's wax, and food grade mineral oil. Mosaic pin by Sally Martin.

I put a slight reverse distal taper on it to have a little more weight out at the end of the blade for chopping. After tempering it's about a 60 Rockwell. I'll put a longer handle on the next one I make.

Julious Griffith was up next – a new arrival in our neck of the woods, Julious has been making knives for some time. He also runs several Facebook groups focused on custom knife making. Check out: https://www.facebook.com/groups/Customknivesbymaker/

Unfortunately, the audio on my recording of the meeting is so trashed by the acoustics of the room and multiple conversations in our group and the birthday party that I don't have a decent transcript of what was said by Julious and others at the meeting.
Here's a folder Julious made with help from a mentor who's name escapes me – and is lost in the audio.

I believe this folder is also one of Julious's – but don't hold me to it!

Jim Jordan shared a couple of pieces he's been working on recently. Both knives feature the grip style that Jim has been working on. Developed for a friend with arthritis, the handle is shaped to let fingertips and thumb gain maximum control of the blade with minimum force.

The handle on this blade is from some curly holly that fellow 5160 clubber Jove Lachman-Curl brought back from a visit to his home in Ireland (his dad had harvested the tree from a stone wall on the property).

The plunge cut is a new twist for Jim – he used an angle grinder to set the plunge for a very dramatic effect! Here's the other knife he shared – I believe the handle is curly (aka fiddleback) maple.

Martin Brandt stood up next to share a handsome “blacksmith knife” and period piece sheath. We've seen the knife before – I believe he started this one at last year's hammer-in – but the sheath is newly completed:

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Mike Johnston brought in a blade that he made from a 48 layer Damascus billet he forged at last year's Goddard appreciation & hammer-in. This is Mike's first Damascus billet. He brought this knife to a
previous meeting to demo his method of clamping up a handle for gluing. Here it is finished:

Bronze bolster, Bocote and deer antler (with a bit of leather dye) and a Sally Martin mosaic pin.

Mike noted that he was not able to get the contrast and definition he was looking for in the Damascus. He used bandsaw blade (s/b 15N20 or L6) and spring harrow tine (s/b 1080). Some ideas were bandied around. If you search on the online forums you can find many different practices for bringing out contrast in Damascus... you “just” have to find one that works for you and for the combination of steels you are using.

Mike noted that he now has a Facebook page set up for his knifemaking: 
https://www.facebook.com/JohnstonsCustomKnives

Mike shared stories from his latest Alaska trip – especially about the 2,500 miles of driving. Moose. Caribou. Get good lights on your truck!

After some general discussion of accomplished knife makers – old and young – we drifted into the night...

Sales seemed to be up in general at the show compared to the last couple of years.

**ERIC LAND** and **JIM JORDAN** shared the club table with me and both made some sales. I had a lot of interest in the club – so we may see some new faces at the meetings.

As usual, the show was one of the highlights of my year. A big thanks to OKCA!!!

Keep Well & Work Safe!

~ ~ ~ Michael Kemp

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**FREE DE-CLASSIFIEDS**

*(IN NO PARTICULAR ORDER)*

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. It's free – email me at Michael@ElementalForge.com

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**Rent Time on Your Hammer:** My name is Sam. I've been making titanium-alloy swords in Eugene, using arm-power and a small home-built trip hammer. Right now I'm in desperate need to use a more powerful and realistic trip hammer to flatten out some sword billets. Would you gentlemen perhaps allow me the use of a trip hammer for an afternoon? I'd be very grateful and willing to pay for the privilege. Sam Taylor klsamee@yahoo.com

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**5160 CLUB AT THE OKCA APRIL SHOW**

Once again we had a great time at the 5160 Club table! It's a pleasure for me to see a number of 5160 Clubbers with tables of their own.
**D2 Planer Blades for Sale**: Joel Puckerson sent an email saying: I have over 200 D2 planer blades available that vary between 6 and 25 inches for knife making at reasonable cost. My contact info is jpcustomknives@gmail.com and (541) 220-3629.

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**NOTES AND REMINDERS**

Check their calendar for mentoring sessions and class schedules.

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The Northwest Knife Collectors Kelso Show will be September 26-27 at the Red Lion conference center in Kelso. Watch here for more details: http://www.nwkc.org/home.html

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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 somethig special! http://www.oregonknifeclub.org/index.html
Go to the “Knewsletter” 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/
American Bladesmith Society http://www.americanbladesmith.com/ipboard/

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

**REFERENCES**

Many of the sites linked under “Knife Maker General” have book & video sections.

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

Verhoeven's Metallurgy For Bladesmiths PDF http://www.feine-klingen.de/PDFs/verhoeven.pdf

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/

OREGON KNIFE MAKING CLASSES

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

Michael and Gabriel Bell offer a constant 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.  
http://www.cartercutlery.com/bladesmithing-courses/

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  
http://www.knifemaking.com

Texas Knifemaker's Supply  
http://www.texasknife.com

USA Knife Maker's Supply  
http://www.usaknifemaker.com/

Knife and Gun (K&G)  
http://www.knifeandgun.com/

Alpha Knife Supply  
http://www.alphaknifesupply.com/

True Grit  
http://www.trugrit.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://sb-specialty-metals.com/products/knifesteels

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

Sandvic – stainless steels – Texas & Pennsylvania  
Pacific Machinery & Tool Steel – Portland, Oregon
http://www.pmtsco.com/tool-die-steel.php

**EQUIPMENT**

Beaumont (KMG) [Ohio] – the industry's 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.html

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/

Quick and Dirty Tool Co. [Auburn, Washington] - will build Spencer/Clontz style tire hammers
https://www.facebook.com/QDTool

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

**FORGE & REFRUCTORY**

Chile Forge
http://www.chileforge.com/

Mankel Forge
http://mankelforge.com/forges.html

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

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

Auber – more thermocouples and controllers, etc.
http://www.auberins.com

Hybridburners – home of the venturi T-Rex
http://www.hybridburners.com/

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

Zoeller Forge – low cost venturi & parts: Z Burners
http://zoellerforge.com/
**BLACKSMITH**

Blacksmith Depot  
http://www.blacksmithsdepot.com

Pieh Tool  
http://www.piehtoolco.com

Centaur Forge  
http://www.centaurforge.com

Quick and Dirty Tool Co.  
https://www.facebook.com/QDTool

**LOGO/ETCHING**

Ernie Grospitch – Blue LighteningStencil  
http://www.erniesknives.com/

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

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

**OTHER GOODIES**

Sally Martin Mosaic Pins – So. Oregon  

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

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

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

Coyote Steel – misc., scrap, copper, brass, bronze –  
Garfield & Cross St. Eugene  
http://www.covotesteel.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/