

The Forum



June 2016

Vol. 18, No. 6

Join us for June 8 membership meeting at Cliff Larsen's farm

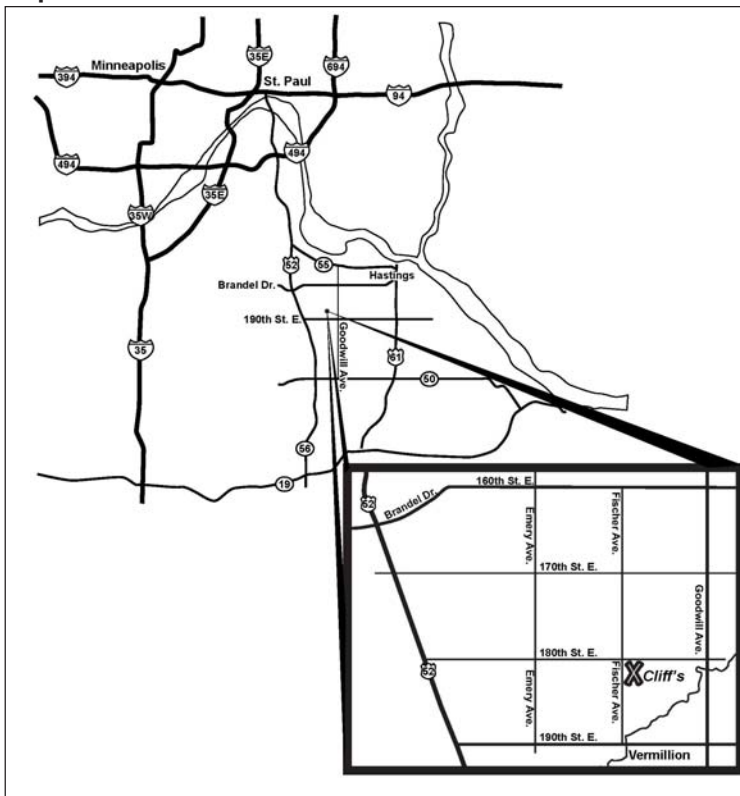
The June 8 Metalsmiths meeting will once again be held at Cliff Larsen's shop just north of Vermillion, MN, at 18190 Fischer Ave, Hastings, MN. See map below. The usual pot luck begins at 6:30 pm, with the business meeting, and show (no tell) to happen after that. We are going to forgo the Tell part to give more time for our demonstration. Dick Carlson is going to be doing an early demonstration of wood burning. This should occur around the 6:00 pm.

The main demonstration at this meeting will be a 3M Abrasives Demonstration by 3M Employee Mike D'Andrea. Mike has already done a demonstration for the Clock Makers Guild, and I have heard it was very good, so come out and learn about abrasives. He won't have items for sale but will have samples.

The meeting champion is Dick Carlson. Call him with any questions at 651-437-3329. Thank you.

— Mark Lockwood, Program Chair

Map to Cliff Larsen's farm



Just around the corner...

June 10 Hammerin

Bring your forge and anvil, bring a tent, and let's pound some iron. Let's show the public our trade and maybe sell some goods.

We'll have three days of free shop time for any member wanting to forge on a project. Come one, come all. The fun starts Friday around 12 noon and ends Sunday by 5 PM.

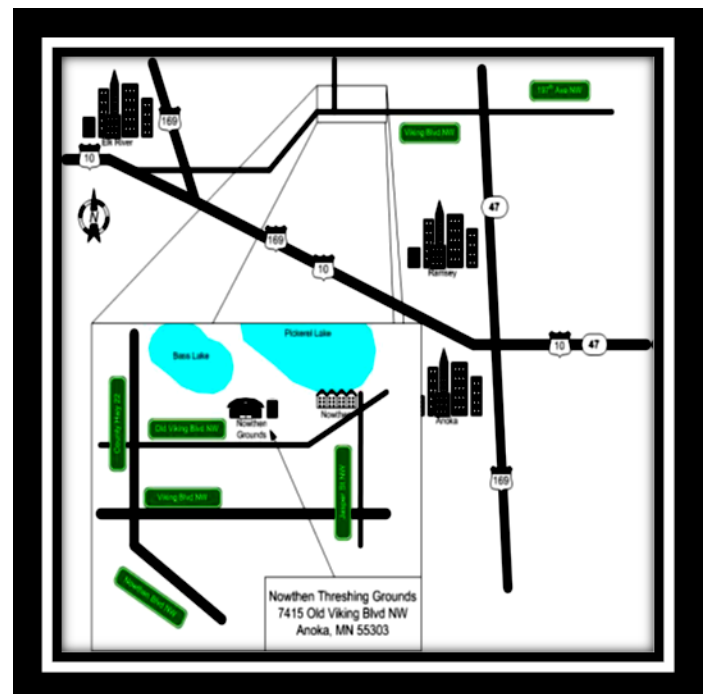
Bring your tools and materials if you have a project in mind. Maybe work on your letter opener for the conference contest.

Meet us at the Nowthen Threshing Show Grounds June 10th or any time throughout the weekend.

Time to start your letter opener for the 2016 Fall Conference!

It's not too early to start those creative juices flowing (for the Madness, of course!) and try to come up with a winner for the 2016 Fall Conference (Sept. 16-18) contest. The product will be a letter opener. We are giving you plenty of time to forge something beautiful and/or useful.

The letter openers can be made with any metal working process (forging, casting, welding, machining, etc.), but they must be able to open letters. All openers will be auctioned off, with proceeds going to the Guild. Winners of the contest will be determined by which items earn the most in the auction. First place wins \$100, second place \$60, \$40 for third.



Our neighborhood of smiths

The Guild of Metalsmiths (TGoM)

All membership meetings are the second Wednesday of February, April, June, August, and October, except December. For these meetings a potluck meal begins at 6:30 pm and the business meeting begins at 7, with a demonstration or activity starting around 8 (times approximate). To check your membership expiration date, see the mailing label on your latest copy of "Metalsmith."

President: Martin Pansch Vice-President: Rick Wessling
blacksmithingyeti@gmail.com rgwessling@gmail.com
612-599-4762 612-875-4420
Our website is: <http://www.metalsmith.org>

Badger Blacksmiths meetings

Our contact information is as follows:

President: Jared Riesenweber Newsletter editor: John Grump
715-983-5637 715-835-0894
tudweber@hotmail.com johngrump@att.net

Lake Superior Metalsmiths

Lake Superior Metalsmiths (LSM) meet the fourth Saturday of the month. Potluck at noon with meeting to follow.

Contacts are:

Charley Brown, President, CharleyRB@charter.net, 218-428-7906
Dave Hanson, Vice-President, Daveforge1@aol.com, 218-721-4572

Northern Minnesota Metalsmiths

The NMM meets the first Monday of the month at Lake Itasca Region Pioneer Farmers (LIRPF) show grounds, 1/4 mile east of the north entrance to Itasca State Park.

Contact Keith Johnson for monthly specifics at keith@greatriverforge.com. The NMM's website is www.nmmetalsmiths.org

NMM Conference April 23-24. Demonstrators are Bob Brown and Curtis Olson. Register by April 12.

Central Minnesota Blacksmiths (CMB)

Meet on the first Monday of each month. Potluck followed by demo. Locations are different every month so please call or write for info

President: Ken Zitur Brian Johnson
320-746-8161 16777 Co Rd 75 NW
mail@kensiron.com Clearwater MN 55367
320-558-6898

Chicago Avenue Fire Arts Center (CAFAC)

Quarterly blacksmithing classes, exhibits, and open house events
www.cafac.org email: info@cafac.org

Update your 'Guild gear'!

The Guild has opened a "store" on Café Press, a website where we set up our logo to be printed on shirts, mugs, glasses, and other goods for purchase. It allows us to make Guild merchandise available to the membership without the major outlay of cash and volunteer effort needed to sell them in a more traditional way.

The Guild gets a small amount of money on each item, but mostly it is a way to make items readily available. Items you can order range from multiple shirt styles and mugs all the way to field bags, water bottles, and even pajamas! Online store link:

<http://www.cafepress.com/TheGuildofMetalsmiths>



New Members for June 2016

Jacob Pierson, Hudson WI
Samuel Cox, Plymouth, MN
Jim Banz, Woodbury, MN

Calling all techies, web-smiths, and database warriors!

The Guild has a few computer based tasks, and we are hoping to find capable folks within our ranks to take them on.

1) We are trying to update how we maintain our membership list. It tracks names, contact info, when dues were paid, and some other related info. Right now it is on Excel maintained at the cost of a lot of Gordon Barr's time. We are looking to update it into something easier to maintain and that might help cut down on the lag we have between when someone pays their dues to when they are officially on the rolls.

2) We would like to get a deeper bench of webpage development-savvy folks for maintaining our website, web forum, etc. Right now Darryl Ponder is maintaining both and has done countless hours of work for the Guild, but being a retired guy with a cabin, it is not fair to expect him to always be available. We would like to add one or more people to our roster of folks who know how things work behind the curtain.

If you are capable and interested in helping the Guild out with one of these tasks let me know.

Martin Pansch
Blacksmithingyeti@gmail.com

Demonstrating for the public



I recently had the privilege of being asked to organize demonstrators for the Armed Forces Day celebration held in Dundas on 21 and 22 May.

Sure, we had a couple of interested people who for one reason or another could not be there, but as the organizer, there really was not room at the fire for me. It was my community (Myron and I are part of the Steam and Gas Engines club), so it was part of my job to be the greeter.

What was nice was the apparent gratitude of the demonstrators, who got to use a really nice shop, the organizers of the event, and the leadership of the Rice county Steam and Gas Engines club. It is fun to see the affirmation received when people actually part with money to have what the smith produces. It is particularly rewarding to watch while a demonstrator prepares a small gift for a child. Ask Cliff. It has to be more spiritual than playing bingo at the KC Hall.

What I want to do here is thank the people who put their energy into the day and made it a privilege for me.

Thanks to Wayne Olson, Zac Dech, Mike Alm, Adam Robrahm, Cliff Larsen, Lou Groth, and Myron (his tools).

— Herb Fick

For Sale: Tool Steel for \$0.85 a pound!

Starland Metals in Gibbon, MN is clearing out their estimated 35,000 lbs of tools steel. They have a bunch of 4140, 4142, 4150, S7, D2, A2, and a little O1. Lots of big sizes (up to 12" diameter rounds). Contact Joel Decker, 507-381-4247, joeld@starlandfab.com, www.shopstarlandmetals.com

Boot Scraper Class

June 25-26, 9:00 a.m.

Instructor: Tom Sanders

Location: Pansch Farm (map below) Cost: \$110 per student

If you have walked around rural Minnesota in the spring you have likely become quite a connoisseur of how different mud sticks to your boots. It is also likely this appreciation has also seen you banned from entering the house prior to shedding pounds of you boot covering muddy goodness. Well your troubles are at an end! In this class Tom Sander will lead students in making boot scrapers. Students can chose from making a free standing scraper with a hand hold (pictured), one with stakes to drive into the ground, or one intended to be anchored into concrete. This is an intermediate skill level class that included punching/drifted, limiters mortice and tenon joinery, and being able to forge several pieces to match a drawing (and each other). Striking will be used in this class both for drawing steel and top tool use. This is a two day class but there is room for a few people to stay overnight at the Pansch homestead, assuming you are okay with cats. Join us for a nice relaxing steel pounding weekend in the country with your Guild friends.

Class size: Maximum students: 6 Minimum students: 3

Tools and Equipment or other items participants are to bring to the class:

Your favorite forging hammer, tongs for large flat and bar stock, hot rasp, wire brush, striking sledge hammer, flatter, and various punches. If you lack any of the striking tools we should have a few sets to share. More detailed list of tools will be sent to those who sign up.

Safety Equipment: safety glasses, ear plugs and work gloves are mandatory. Other safety equipment may include: leather apron, cotton clothing, pants, leather shoes.

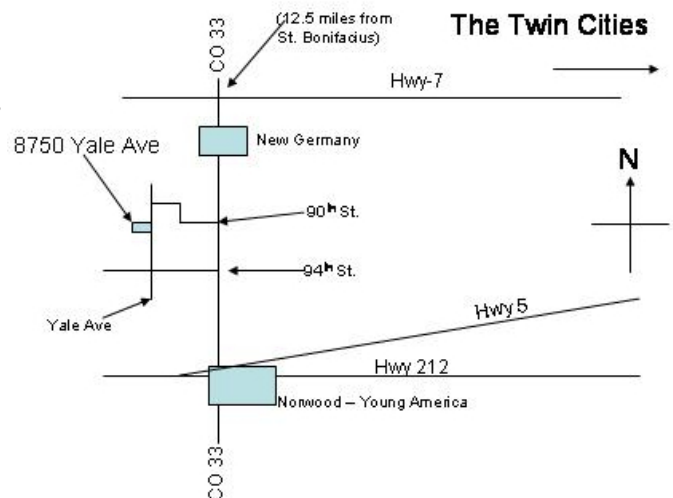
Special Instructions: An email with further coordinating instructions will be sent out to students who sign up.

Lunch Arrangements: I'll have some burgers and brats to throw on the grill. If you have special dietary needs you might want to bring your own food. There really isn't anything close by to grab lunch at. I'll plan something for dinner and breakfast for those staying the night as well.

To register, send check for \$110 made out to Guild of Metalsmiths to:

Martin Pansch
8750 Yale Avenue
Young America, MN 55397

Questions: (612) 599-4762, blacksmithingyeti@gmail.com Acceptance priority is determined by postmark.



Calla Lily Workshop

Saturday, August 20, 8:30 am for coffee and classroom, 9 am for fires lit, done by 4 or 5 for sure

Instructor: Myron Hanson

Location: Cliff Larsen's farm (map on page one)

Cost: \$60 per student

Class size: maximum 8 students

Produce at least four people who can make a small Calla lily in less time than it takes the average curious power / steam show visitor to get bored with the process. It is not Guild policy, but I would like to emphasize this to people who want to demonstrate for the public. (Become a demonstrator!!!!!!!!!!!!!!)

Think of this as a class for relatively advanced forgers, but there is no need for metallurgy. Wayne Olson was doing well on Armed Forces Day demonstrations in May.

I've shown the story board (Ring of samples really) at several meeting now. It is a fair representation of the lilies that grow near Larry Britton's place on the Scenic Hiway North of Hiway 2. Myron prepared the examples and Myron is lead teacher for this workshop.

Cost is nominal (\$60) because we will not be spending a lot on materials. (3/8 Hot roll steel, coal and nominal rent.) We will organize room for eight, and I am not worried about filling the class. I've heard serious interest.

Lunch arrangements: Will be provided!

Bring: your favorite hammer

Safety equipment: safety glasses, ear plugs and work gloves are mandatory. Other safety equipment may include: leather apron, cotton clothing, pants, leather shoes.

To register for this workshop, send a check for \$60 made out to Guild of Metalsmiths AND your contact info to:

Herb Fick

519 Eighth Street East
Northfield MN 55057

For questions: 507 663 0569 or 507 649 1611 (cell)

Acceptance priority is determined by postmark.



Ultraviolet Radiation

Staring into the forge fire waiting for the metal to get hot enough to reach welding heat, we feel our eyes getting sore. Looking away we see spots and it takes a little time to re-focus our vision. What is it that makes this happen? Allot of us feel that it is UV radiation from the fire. So the search was on to find the answer. I believe that the following should explain what is happening and clear up some of the issues. But first we need to understand just what UV radiation is and the many sources that provide UV radiation.

Ultraviolet radiation is defined as that portion of the electromagnetic spectrum between X-ray and visible light. UV spectrum is divided into UVC (220-290), UVB (290- 320) and UVA (320-400). The sun is our primary source of UV radiation. Artificial sources include tanning booths, black lights, curing lamps, germicidal lams, mercury vapor lamps, halogen lights, high-intensity discharge lamps, fluoresce and incandescent sources, and some types of lasers (excimer lasers, nitrogen lasers, and third harmonic Nd:YAG lasers) Unique hazards apply to the different sources depending on the wavelength range of the emitted UV radiation.

UVC is almost never observed in nature because it's absorbed completely in the atmosphere. Germicidal lamps are designed to emit UVC radiation because of its ability to kill bacteria. In humans, UVC is absorbed in the outer dead layers of the epidermis. Accidental overexposure to UVC can cause corneal burns, commonly termed "Welders' Flash" and snow blindness, a severe sunburn to the face.

UVB is typically the most destructive form of UV radiation because it has enough energy to cause photochemical damage to cellular DNA, yet not enough to be completely absorbed by the atmosphere. UVB is needed by humans for synthesis of vitamin D; however, harmful effects can include erythema (sunburn), cataracts, and development of skin cancer.

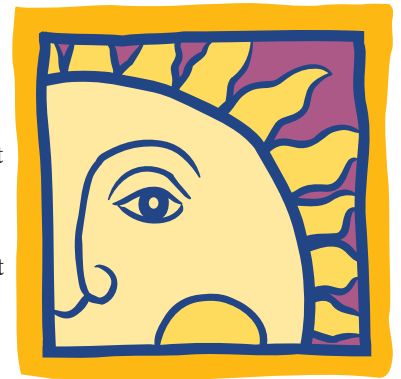
UVA is the most commonly encountered type of UV light, UVA exposure has an initial pigment-darkening effect (tanning) followed by erythema if the exposure is excessive. Overexposure to UVA has been associated with toughening of the skin, suppression of the immune system and cataract formation. The photochemical effects of UV radiation can be exacerbated by chemical agents including birth control pills, tetracycline, sulphathizole, cyclamates, antidepressants, coal tar distillates found in antidandruff shampoos, lime oil, and some cosmetics. Protection from UV is provided by clothing, polycarbonate, glass, acrylics, and plastic diffusers used in office lighting. Sun-blocking lotions offer limited protection against UV exposure.

Radiated energy, or radiation is given off by many objects: a light bulb, a crackling fire, and the stars and the sun. The type of radiation being emitted depends on the temperature of the objects. A coal glowing red in a forge is cooler than our Sun, which appears yellow, which is cooler still than some stars which appear bright white. The wavelength of light that is radiated from an object depends upon the temperature of the object. The sun is very hot so it emits radiation at many different wavelengths. The surface can be approximated as a blackbody at 6000K. A normal orange flame may burn at 600K or so. It isn't hot enough to radiate UV rays but it does radiate in the visible and infrared parts of the electromagnetic spectrum. According to "Marks" Standard Handbook for Mechanical Engineers (10th), coal gas burns at about 3,590 F under 100% air conditions. More or less air will decrease the temperature. The amount of energy to produce UVB from a forge fire is small. What we do feel is the other end of the light spectrum IR and that heat.

The retina is the light sensing part of the eye. It converts light, focused into the eye by the cornea and lens, into an electrical signal that is transmitted to the brain. Light is focused by the lenses onto the light sensing part of the eye, called the retina. The retina contains several types of specialized cells, including ganglion cells, bipolar cells, rods and cones. Rods are adapted for night vision and cones are adapted for day vision. Cones are also the cells that allow us to distinguish colors, because there are red, green, and blue cones. About 10% of ganglion cells are capable of being stimulated by light without input from rods and cones. These intrinsically photosensitive retinal ganglion cells, or IPRGCs are responsible for the sensation of pain when we look at a light that is too bright. One of the fascinating things about IPRGCs is they have nothing to do with "seeing" or "vision". These cells connect to parts of the brain that control the constriction of the pupil and the synchronization of the brain with day and night.

Five years ago, research was presented indicating that these cells are probably involved in the sensation of pain. It is these cells that make your eyes "hurt" when you view a light that is intense, like the sun or the fire of a forge. These cells are likely to be the source of photophobia, which is abnormal sensitivity to bright light. The IPRGCs are maximal sensitive to the light in the blue to blue-green part of the visible spectrum. This part of the light spectrum is known to the eye care professionals as the High Energy light area. It's also known as the blue light area, (400nm to 520nm) this is the light frequency that we feel pain when looking into a forge fire for long periods of time. Not all blue light is bad. It has been used to treat Seasonal Affecton Disorder (SAD), type of depression that relates to the change of seasons, from fall through winter. Also, Blue light is very important in regulating our circadian rhythm, the body's natural wakefulness and sleep cycles.

In conclusion, using caution while looking into the forge fire may be the most successful in dealing with radiation of light. Blue light and UV light can be filtered out using UV400, Blue blockers, Blutec lenses and colored tints. You can add these lens filters to your safety glasses. Contact your professional eye care provider for options.



— George Auel ABOC

TIG Welding Class IS FULL!

June 18, 9:00 a.m.,

Instructor: Jim Erickson, 612-868-2050 jimbohotep@yahoo.com

Location: Super Radiator Coils, 104 Peavey Rd, Chaska, MN 55318

THE GUILD OF METALSMITHS, Board of Directors meeting – May, 10th, 2016

Held At: Danish American Center, 3030 West River Parkway, Minneapolis. Call to Order: 7:13 PM by Martin Pansch
 Members in attendance: Barr, Bettenberg, Gavin, Lockwood, Murray, Pansch, Philips, Sheely, Wasmund, Wessling, Widenhofer
 Approval of previous meeting's minutes: Motion to accept by Bettenberg, second by Wasmund Motion passes.

COMMITTEE REPORTS:

Treasurer Report: Grace Sheely

Discussed investing some money in 9 month CD's, wanting an understudy for treasurer

Membership Services Committee: Chair Barr.

No updates at this time. Status on updating membership database: Database is on spreadsheet, discussed having data stored in cloud. Jackson Street Roundhouse has an online database-discussion on different services.

Education Committee report: Chair -Wasmund, Vice Chair- vacant

Status of bigger, better, Nowthen Hammerin. No updates Upcoming classes: Upcoming year has been scheduled: Taste of Blacksmithing class will be held at the end of June. Looking at big build class-Air hammer, belt grinder, power hammer, etc. classes.

Program Committee: Chair-Lockwood, Vice Chair-Murray

Future meetings: June meeting at Cliff's-3M abrasive rep.will be there. August meeting at Dan Pate's. October at Fort Snelling w/Woodworkers' Guild and Clockmakers' Guild. Professor from U of M to talk on metallurgy, bring show items related to other guild's interests.

Status of demonstrator contracts: 1 demonstrator locked in, 1 still pending. Discussed the Madness mailing- sending as a PDF as well.

Communications Committee: Chair-Bettenberg, Vice Chair- Vacant

Discussed open posts, have job descriptions page, hopefully in next Forum. Discussed new IT guy. Also talked about our response time to items listed on the website and adding a disclaimer, such as, "We are a non-profit, run by people with day jobs. Please be patient if we do not get back to you in a speedy manner." Discussed availability of patches and bumper stickers-see if Company doing banners can do, or willing to allow us to use designs.

UNFINISHED BUSINESS:

Review of proposed banner concepts and other PR ideas. Discussion on banners, cost of 3' x 10' banner, having flag banner, 10'x10' pop-up, L-stand,and/or table skirt

Coal Management: Needs a new position (helper)

Committee position descriptions/elevator pitch for volunteers. Descriptions are still coming in. Standard Operating Procedures for committee position Discussed what are the tasks needed, and ordinal timeline.

Sunshine committee progress: Motion to move this item forward to future meeting. Custom Guild ironwork greeting card

NEW BUSINESS:

Demonstration of Wild Apricot: Wasmund demo'd Wild Apricot for the group.

Streamlining membership/dues payment. Discussed during treasurer's report-adding button on paypal, using spreadsheet like Wild Apricot.

ADJOURNMENT: 9:59pm

Summer Demo Opps

Here is a list of available summer demonstration opportunities for Guild members. A contact person is defined for most events.

2016 TGoM Demo Calendar

Dates	Event	Location	Guild Champion	Email	Phone	Notes
21-22 May 2016	TC Makers Minne-Fair	Minneapolis, MN	TBD - Contact Martin Pansch	blacksmithingyeti@gmail.com	612-599-4762	
16-17 July 2016	Olmsted County Living History Fair	Rochester, MN	None yet - Contact Olmsted Co. History Center POC Aaron Saterdalen	programs@olmstedhistory.com	507-282-9447	
19-24 July 2016	Rice County Fair	Faribault, MN	Lou Groth	loug_33@yahoo.com	952-895-1515	
27-30 July 2016	Rock County Fair	Luverne, MN	Larry Wasmund	poundedtreasures@gmail.com	651-322-6626	Bring your own equipment. Sales allowed.
29-31 July 2016	Little Log House Antique Power show	Hastings, MN	Dick Carlson	Blacksmith@onlinecarlson.com	651-437-3329	
5-7 AUG 2016	Scott-Carver Threshing Show	Jordan, MN	Jerry Felton	euattleco@frontiernet.net	952-873-6754	Call Jerry in advance if you would like to help.
12-14 AUG 2016	Almelund Threshing Show	Taylors Falls, MN	Jim Moenck	jrmoenck@yahoo.com	651-724-3403	
18-20 AUG 2016	Murray County Fair	Slayton, MN	Larry Wasmund	poundedtreasures@gmail.com	651-322-6626	Shop is Larry's trailer
19-21 AUG 2016	Nowthen Threshing Show	Nowthen, MN	Bob Fredell	bfredell@msn.com	763-389-5119	All experience levels welcome. Bring your own hand tools. Get a free gate pass from Bob at August Guild meeting or via mail.
20-21 AUG 2016	Butterfield Threshermen's Assn. Steam & Gas Engine Show	Butterfield, MN	Arden Hanson (casting) Larry Wasmund (smithing)	poundedtreasures@gmail.com	Arden - 507-279-0443 Larry - 651-322-6626	Blacksmithing and Bronze casting. All sales go to the show.
26-28 AUG 2016	Pioneer Power Show	Le Seuer, MN	NA	NA	NA	Not open to casual demonstration but go watch Wyatt, Jim and others demo.
2-4 SEP 2016	Rice County Steam and Gas Engine Show	Dundus, MN	Myron Hanson	None	651-454-3984	Bring your hand tools and a project.
9-10 SEP 2016	Lamberton Hot Iron Days	Lamberton, MN	Bob Brown	bbrown474@msn.com	651-457-0086	
10-11 SEP 2016	Laura Ingalls Wilder Days	Pepin, WI	Tom Latane	tlatane@centurytel.net	715-442-2419	Not open to casual demonstration but go and watch Tom, Pete, and Gary demo blacksmithing, Kitty demo tin work and Sheri spin wool.
Wednesdays, Saturdays, Sundays	Jackson Street Roundhouse	St. Paul, MN	Gordon Barr	agbarr@aol.com	952-894-4821	Not really a demo. More a standing open forge with an occasional visitor.
Most weekends through Labor Day.	The Landing	Shakopee, MN	None - Contact site manager Rich Williams	Rwilliams@threeriversparkdistrict.org	763-694-7784	Costume needed (overalls and white button up shirt okay).





Tunnel Mill Crafts

We are located in southern Minnesota. Tunnel Mill was an old water powered mill. Built in 1869. Retired in the late 1920's.

Located on Bear Creek north of Spring Valley, MN.

Wooded 50 acres with a stream that runs through it. Now, it's a place for crafts people and friends to congregate, relax and learn some of our forgotten crafts.

Make Damascus (layered steel) Ric Furrer-Door County Blacksmith August 26, 27 & 28, 2016, 9:00 am-?? (each day)

We have invited master metalsmith and sword smith Ric Furrer to come to Tunnel Mill again to help us create the damascus steel of the early eastern world. Recently Ric did a Nova presentation "Recreating the Viking Sword..

For those of you who have some blacksmithing experience and want to do hands-on, let's do it.

We will be making steel Friday and Saturday. Later Saturday, (Saturday evening) and on Sunday, we will continue by making tools from our steel.

With the steel you have made you can make a tool of your choice, (send blue prints to us prior to class) a chisel, gouge, or cutting edge tool.

In addition to the class we will be working on the \$500# Little Giant Hammer. We will use it to forge and weld a heavy damascus billet.

Class cost:

Since we have some students who don't need meals or sleeping accommodations, we are offering 2-class price options:

- * 3 day hands-on workshop: \$300, or:
- * 3 day hands-on workshop, including room and meals for an additional \$100, for a total of \$400.

Contact us for more information...jc-adams@msn.com or 507-289-4189 www.tunnelmillcrafts.com

Hosted by John & Carol Adams

Check out Ric Furrer at <http://www.doorcountyforgeworks.com/>

Watch the video at <http://www.youtube.com/user/RicFurrer>

Register: jc-adams@msn.com, 507-289-4189 John or Carol Adams.

Hammer Making Class June 13, 14, 15 near McGregor, MN

Tom Latane' will be teaching a three day hammer making class, June 13, 14, 15, 2016, sponsored by McGregor MN Community Education. The hammer will be forged from wrought iron with a forge welded carbon steel face and peen added. Basic chasing and inlay techniques will also be taught for ornamentation of the hammer. The course will be offered at Sandy Lake Forge on Raspberry Island (near McGregor, Minnesota). Guest cabin housing or tent space is offered to those from out of the area at no cost on a first come first served basis. Breakfast and lunch is provided, evening meals are pot-luck, or bring something to grill. Cost is \$200. Class size is limited. Some forging and preferably forge-welding experience is desirable. Contact Gary Hill at: 218-851-6085 or hillx001@umn.edu for more details or questions, or go to <http://www.mcgregor.k12.mn.us/adultCommunityeducation.php>

Jackson Street Roundhouse Demo Op

The Roundhouse will be open more days for the summer. Starting June 3, they will be open Wednesdays, Fridays and Saturdays 10 – 4 and Sunday 12-4.

Wednesday and Saturday you can enter through the back gate. Friday and Sunday please park in the front.

We now have a second forge setup outside.

People that would like to work in the blacksmith shop these days are welcome to drop by. Sundays would be especially helpful.

Any questions, call Gordon Barr 612-242-5827

Goings on...

A calendar of TGoM events at a glance

- All membership meetings are the second Wednesday of February, April, June, August, and October. Date for December will be announced. For these meetings a potluck meal begins at 6:30 pm and the business meeting begins at 7, with a demonstration or activity starting around 8 (times approximate).
- Education Comm. meets first Wednesday of each month. Contact Larry Wasmund, chair: poundedtreasures@gmail.com
- Program Comm. meetings are 7 pm the third Thursday of each month. Mark Lockwood is chair: mark.lockwood@daikinapplied.com
- All board meetings are the second Wednesday of January, March, May, July, September, and November. Potluck meal begins at 6:30, with meeting starting at 7 pm.



Events in June 2016

- June 8, TGoM membership meeting, Cliff Larsen's farm
- June 11 & 12, TGoM Hammerin at Nowthen
- June 18, TIG Welding class FULL! Super Radiator Coils, Chaska, MN
- June 24, Boot Scraper class, Pansch farm

Events in July, 2016

- July 16-17, Demo op: Olmsted Co Living History Fair-see pg 5
- July 19-24, Demo op: Rice County Fair, contact Lou Groth
- July 27-30, Demo op: Rock County Fair, contact Larry Wasmund
- July 29-31, Demo op: Little Log House show, contact Dick Carlson

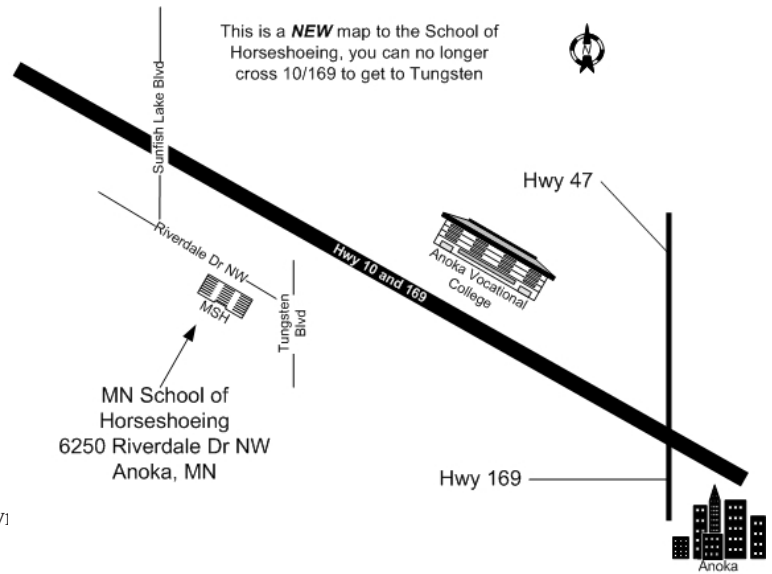
Events in August, 2016

- Aug. 5-7, Demo op: Scott-Carver Threshing Show, Jerry Felton
- August 10, Guild membership meeting & corn feed, Dan Pate's farm
- Aug. 12-14, Demo op: Almelund Show, contact Jim Moenck
- Aug. 18-20, Demo op: Murray County Fair, contact Larry Wasmund
- Aug. 19-21, Demo op: Nowthen Show, contact Bob Fredell
- Aug. 20-21, Demo op: Butterfield Show, contact Larry Wasmund
- Aug. 26-28, Pioneer Power Show, LeSeuer

Events in September, 2016

- Sept. 2-4, Rice County Steam & Gas Engine Show, Dundas, contact My
- Sept. 9-10, Lamberton Hot Iron Days, contact Bob Brown
- Sept. 10-11, Laura Ingalls Wilder Days, Pepin, WI
- Sept. 16-18, THE MADNESS! Hastings

Map to MN School of Horseshoeing



Join The Guild of Metalsmiths

Send \$30 dues to the address below. Please circle if you want to be listed in our membership directory and/or check items you don't want listed.

The Guild of Metalsmiths
 PO Box 11423
 St. Paul MN 55111

List Me
 in the directory
 but don't list
 address - phones: home - work - fax - cell - email - web page
(circle items above you DO NOT want published)

Don't List Me
 in the Directory

Name: _____

Email address: _____

Address: _____

City, State, Zip Code: _____

Primary phone: _____ Secondary phone: _____

All memberships are family memberships. Persons of all ages, professionals and hobbyists, are invited to join. We do not sell our mailing list.

ELECTRONIC FORUM

If you have not been receiving an email notification that The Forum is available, please verify that we have your correct email address. Contact Gordon Barr at agbarr@aol.com.



Address Service Requested

Forum deadline for July: Monday, June 20, 2016.

The deadline for content in The Forum is always the third Monday of the month. Please send items to **Georgia Myers**, editor, by email to: gldmyers@embarqmail.com

The Guild of Metalsmiths on the web

Visit our website at <http://www.metalsmith.org>

Looking for something? Try the search engine. On our home page, at the top of the right sidebar, enter your query and click on "Search."

June 2016

Your membership expiration date will show on the address label of your quarterly Metalsmith magazine.

The Guild of Metalsmiths, St. Paul, MN, publishes The GoM Forum monthly. It is intended as a tool to further our educational mission, to keep members up to date on current happenings, to publicize projects and workshops, a place for all members to express their opinions, concerns, learn more about each other—in short, to help us run our organization.

Information in this publication is provided as a service for our members. Members may submit items for sale and upcoming events that are considered relevant to our group, and they will be published as space permits. The Guild of Metalsmiths is not responsible for these items or events.

Guild educational grants

There is grant money available for Guild members to study intermediate and advanced metalworking techniques.

The Guild educational grant program is designed to bring new skills into the metalworking community. Participants are given money to pay for a portion of their expenses and are expected to learn some new or poorly understood skill, and then to share what they have learned with other members and the public through an article in our quarterly magazine, "The Metalsmith." They're also expected to lead a workshop on the topic (or other educational service approved by the board).

Application forms are available from the president or treasurer at a regular meeting, or by sending a self-addressed, stamped envelope to:

The Guild of Metalsmiths
PO Box 11423
St. Paul MN 55111