



Mining History News

Quarterly Newsletter of the Mining History Association

Spring 2019

Lake Superior Iron

The Mining History Association last visited Michigan's Upper Peninsula (the "U.P.") in June 1997, when we explored the rich heritage of Copper Country and the splendors of the Keweenaw Peninsula. Our most recent dalliance with iron was in 2008, when we traveled to Minnesota's legendary Mesabi and Vermilion ranges. But there is much, much more left to discover about the diverse and fascinating history of mining in the Lake Superior region.

This year we revisit the U.P., and examine its storied Marquette and Menominee iron ranges. There, some of America's very first industrial-scale mining began on a remote and harsh northern frontier more than 170 years ago. But, a deep and robust mining culture still thrives today among the hundreds of multi-generation families that remain the heart and soul of the many range communities. There, too, MHAers will find both operating mines and a wide array of historic mining sites and museums which -- taken together -- bring the colorful story of Lake Superior iron to life. (And, yes, there's gold, silver, copper and nickel, too.)

Our conference venue is Marquette, where iron ore is still loaded aboard gigantic bulk cargo carriers (the legendary Great Lakes "ore boats") which, as they have for generations, make their runs to the steel mills at the foot of the lakes. Marquette is the U.P.'s largest city, the home to Northern Michigan University, and a regional cultural, recreational and medical services hub. Its unforgettable backdrop is, of course, Lake Superior -- the Upper Midwest's grand "Sweetwater Sea."

This is all new territory for the MHA, and the historian will find few places that celebrate their mining heritage with such vibrancy and fidelity. Couple that with a genuine "north woods" ambiance, and MHA 2019 -- Marquette becomes an opportunity not to be missed.

See you in da UP!

-Mark & Lynn

Welcome to the 29th Annual MHA Conference in Marquette, Michigan

WELCOME

We welcome you to the 2019 Marquette Mining history Association Conference. The Marquette area and the Upper Peninsula of Michigan offer many historic, scenic and recreational opportunities. We encourage you to explore and enjoy your stay in the region. The Travel Marquette website <http://www.TravelMarquetteMichigan.com> can help you with your vacation planning. We can also be contacted at: mha.mqt2019@gmail.com.

INTRODUCTION

Marquette is located in the Upper Peninsula (U.P.) of Michigan on the spectacular shores of Lake Superior – the Upper Midwest’s grand “Sweetwater Sea.” It is the largest city in the U.P., and the home of Northern Michigan University. It is also a regional cultural, recreational and medical hub.

Historically, Marquette and its port were ideally situated for smelting and shipping iron ore from the nearby Marquette Iron Range. Today, taconite pellets from local mines are still loaded onto gigantic bulk cargo carriers – the legendary Great Lakes “ore boats” -- at Cliffs Resources’ Presque Isle ore dock. We have selected Marquette’s iconic 1932-vintage “downtown” ore dock as our conference logo.

The centerpiece of the Marquette conference is, of course, 170+ years of continuous mining on the Marquette and Menominee Iron Ranges. It is there (and on the copper ranges of the nearby Keweenaw Peninsula) that industrial-scale mining first emerged in mid-America, and the region quickly became an early focus for innovation in mining techniques and cutting-edge technology (for example: diamond drilling, block caving and mine electrification). While much of that history still remains in a very tangible sense, perhaps even more important is the robust survival of a deep and rich mining culture among the hundreds of multi-generation families that remain the heart and soul of these Range communities.

For the mining historian, this is a truly remarkable place. Don’t miss it.

ACCOMODATIONS

The Landmark Inn was selected as our conference hotel because of its close proximity to the sessions venue, the Masonic Center, and to downtown Marquette’s rich historical landscape. Opened in 1930 as the Hotel Northland it was regarded as the finest hotel in Michigan’s Upper Peninsula. The hotel was completely renovated in 1997 as the Landmark Inn, and is a member of the Historic Hotels of America, a program of the national Trust for Historic Preservation.

The Landmark Inn’s conference rates, per night:

Traditional King	\$149, plus tax
Traditional Double	\$149, plus tax

For reservations call 1-888-752-6362 or 1-906-228-2580. A block of rooms will be held at these rates until May 6, 2019. Mention the Mining History Association when making reservations. The Inn is located at 230 N Front Street, Marquette, MI 49855

Other nearby lodging options include:

Hampton Inn (0.5 miles), 461 S Lakeshore Blvd, Marquette 1-866-238-4218 (Rates approx. \$225+)

Ramada Inn (0.5 miles), 412 W Washington St., Marquette 1-855-213-0582 (Rates approx.. \$150+)

Holiday Inn (3 miles), 1951 Highway 41, Marquette 1-800-315-2621 (Rates approx. \$160+)

Camping is also an option:

Marquette Tourist Park (RV/Tent) (2.5 miles), 2145 Sugar Loaf Ave., Marquette, 1-906-228-0465

Rippling River Resort (RV/Tent/Cabins) (3 miles), 4321 M-553, Marquette, 1-906-273-2259

State Forest Campgrounds: www.Michigan.gov/dnr

TRANSPORTATION

Air

Marquette is served by Sawyer International Airport www.sawyerairport.com and both Delta and American Airlines. The airport is located about 17 miles south of the Landmark Inn. Fares through this airport are generally very competitive with other regional options.

Rental Car

Major rental car companies are also available - www.sawyerairport.com/car-rentals

Ground Transportation

While a rental car is desirable for fully exploiting conference events, ground transportation from the airport is also available through:

Marq-Tran Regional Bus Shuttle – 1-906-225-1112
Marquette Limo – 1-906-226-7772

MARQUETTE WEATHER

On average, June weather in the Marquette environs is pleasantly mild and sunny. Highs are generally in the mid- to upper-60s (slightly warmer inland), with lows around 50. Some rain can be expected in any given week, although June rain events are seldom prolonged. But the “Big Lake” calls all the shots, and attendees will be wise to prepare for conditions that may vary widely from seasonal averages. Most MHA conference regulars know the drill.

REGISTRATION

All Registrations must be received by May 15.

Everyone attending the Marquette conference must pay the appropriate general registration fee. Additional activities and events are to be selected and paid for a la carte. (Please make all checks payable to the Mining History Association.) Some events and activities can accommodate only a limited number of participants.

Rosters for those events will be filled on a strictly first-come, first-served basis as determined by the postmarks on Registration Forms as they are received. Thus, it is important that ALL REGISTRANTS mail in that completed form, even if registration fees are paid via PayPal! Please provide all contact information requested on the form so we can reach you promptly, if necessary.

Payment via PayPal: Registration fees may be remitted via PayPal by using the on-line Registration Form at the MHA website. Please note, however, that a 3% service fee will be added and, as mentioned above, the completed registration form still MUST be printed out and mailed to:

MHA – 2019
Mark & Lynn Langenfeld
N7111 County Road CC
Monticello, WI 53570-9586

FORMAL SESSIONS, PAPERS AND VENDORS

The venue for all formal sessions and vendors’ tables is the U.P. Masonic Center located at 128 W Washington Street. A convenient rear entrance to the building and meeting rooms is located about one city block from the Landmark Inn. A large parking ramp is available directly behind the Center. Friday evening’s Annual Awards Banquet will also be held in the Masonic Center’s Ballroom.

REGISTRATION TABLE TIMES

The Registration Table will be open at the following times and locations:

Wednesday, June 5
7:00 pm – 8:00 pm - Landmark Inn lobby

Thursday, June 6
8:00 am – 11:00 am Landmark Inn lobby
1:00 pm – 4:00 pm Landmark Inn lobby

Friday, June 7
7:00 am – 11:30 am Masonic Center

DESCRIPTIONS OF TOURS AND EVENTS

Most of the tours and special events described below have limited capacities. Early registration is highly encouraged. Rosters will be filled on a strictly first-come-first-served basis based upon order of registration postmark. Please be certain that your contact information is complete on your registration form so that we may contact you promptly regarding refunds or waiting lists in the event of overbooking.

Please monitor the conference web page for changes and updates: <https://www.mininghistoryassociation.org/MarquetteMichigan2019.htm>.

Thursday, June 6

PLEASE NOTE: *Many of Thursday's pre-conference events overlap (or otherwise conflict) and involve some drive time. Please review this schedule of offerings CAREFULLY before making your selections. Participants in Thursday's events are STRONGLY encouraged to pick up and review their registration packets Wednesday evening.*

CLEVELAND-CLIFFS - PIT OVERLOOK AND CLIFFS COTTAGE TOUR:

Time: 9:30 am – Noon

Tour capacity: 25

Cost: No charge, but pre-registration is required. Tour will depart from and return to the Landmark Inn – bus transportation provided. Departure at 9:30 am, SHARP!

The morning tour is already full. Cliffs has promised an afternoon repeat of this tour, time TBD.

This tour bus will make its first stop at the pit overlook at the Tilden mine. Opportunities for a first-hand view of this last operating iron mine on the Marquette Range are now infrequent. The Tilden pit currently measures 1.5 miles E/W, 0.7 miles N/S, and is 1,400 feet deep.

The second stop is at the remarkable Cliffs Cottage. Built at the turn of the last century, the “cottage” served as Cleveland-Cliffs president William G. Mather’s residence and headquarters during his frequent visits to the company’s mines. After expansion in 1903, the cottage saw increased use for business purposes, including board of directors meetings and meetings with local mine managers. Although the cottage remains in use today (housing visiting executives and engineers, and hosting a variety of civic events), much of the original ambiance remains – including the billiards and sitting rooms, and the polished jasper hearths.

EAGLE MINE HUMBOLDT MILL TOUR:

Time: 10:00 am – Noon

Tour capacity: 20

Cost: No charge, but pre-registration is required. Transportation by private vehicle (ride sharing is encouraged). Participants meet at the Mill - 4547 County Rd. 601, Champion, MI 49814 (29 miles, approx. 40 minutes from the Landmark Inn). Plan carefully to ensure an on-time arrival.

On the Humboldt Mill tour (~2 hours) you will learn about the history of and operations at the nearby Eagle mine, and see what happens to the nickel/copper ore after it leaves the mine site. This is a walking tour, beginning at the administrative office. The tour follows the circuit of crushing, grinding and flotation processes, taking the ore from haul truck to rail car. Visitors should be prepared to spend about an hour walking on site, including up and down stairs and over metal gratings, and must be able to tolerate strong odors. Participants should carefully preview all information and requirements set out at www.eaglemine.com/public-tours before signing up for this tour.

The Humboldt mill is itself historically significant in its prior roles as the primary mill for the co-located Humboldt iron mine for which it was built, later as the gold mill for Callahan Mining Corporation’s mid-20th-century operations at the nearby Ropes mine, and as an industrial minerals plant for the Minerals Processing Corporation.

ROCK COLLECTING FIELD TRIP

Time: 1 – 4:00 pm

Tour capacity: 12

Cost: \$10.00, pre-registration required.

Some MHAers won't call a conference complete until they have had an opportunity to wield a rock hammer. Thus, we have arranged for representatives of the Ishpeming Rock & Mineral Club to guide interested individuals to one or more of the better local collecting sites. Transportation by private vehicle (ride sharing is encouraged).

THIS IS NOT A FORMAL CONFERENCE EVENT. Consequently, participants are asked to pay a modest fee covering the host club's liability insurance expenses. Please pre-register directly with the trip leader, Bob Clark, at 906-235-6440 or bc300savg@charter.net no later than May 10, 2019. Identify yourself as an MHA2019 attendee.

CENTRAL UPPER MICHIGAN AND NORTHERN MICHIGAN UNIVERSITY ARCHIVES OPEN HOUSE:

Time: 1:00 pm – 4:00 pm

No pre-registration required; no charge.

Transportation by private vehicle (ride sharing encouraged). For directions, see the NMU Archive inserts in your registration packet or visit <https://www.nmu.edu/archives/home-page>.

The extensive collections housed at the NMU Archive include a remarkable assemblage of more than a century of Cleveland Cliffs Iron records, documents and photographs, many of which will be on special display during the Open House: <https://archives.nmu.edu/cci/> The Archive is also able to share many other valuable resources, including: [https://nmu.lyrasistechnology.org/subjects/116?&filter_fields\[\]=primary_type&filter_values\[\]=resource](https://nmu.lyrasistechnology.org/subjects/116?&filter_fields[]=primary_type&filter_values[]=resource) and https://www.nmu.edu/archives/sites/DrupalArchives/files/UserFiles/Iron_Mining_Industry_Resource_Guide_final.pdf

Conference registrants who are unable to attend the Open House are encouraged to visit the Archive during its regular business hours.

HISTORIC DOWNTOWN MARQUETTE**WALKING TOUR:**

Time: 1:30 pm – 4:00 pm

Tour capacity: 25

Cost: \$14.00, Pre-registration required.

Tour will begin in the lobby of the Landmark Inn.

This 12-block walking tour features downtown Marquette and some of the finest buildings constructed in the history of Michigan's Upper Peninsula. Participants will learn about the city's rich history and see many of its magnificent old red sandstone and white limestone buildings. Featured sites include the Peter White Public Library, The Marquette County Courthouse and St. Peter's Cathedral. Other sites include the Statue of Jacques Marquette, Harlow's Wooden Man and, time permitting, the iron ore dock and customs clearing house in Marquette's Lower Harbor. Your host and guide for the tour will be Fred Huffman from Marquette Country Tours. Fred is a noted local historian and tour guide with over 30 years in the tour business.

EAGLE MINE HUMBOLDT MILL TOUR:

Time: 2:00 pm – 4:00 pm

Tour capacity: 20

Cost: No charge, but pre-registration required.

Transportation by private vehicle (ride sharing is encouraged). Participants meet at the Mill - 4547 County Rd. 601, Champion, MI 49814 (29 miles, approx. 40 minutes from Landmark Inn). Please plan carefully to ensure an on-time arrival.

Please carefully review the description of the 10 a.m. tour, above. All of the particulars and conditions set out there apply equally to the afternoon tour.

WELCOMING RECEPTION:

Time: 5:30 – 8:00 pm

Where: Cliffs Shaft Mine Museum -- 501 W.

Euclid St., Ishpeming

Cost: \$20.00, Pre-registration required.

Transportation by private vehicle (ride sharing is encouraged).

The striking backdrop for the opening sequence of Otto Preminger's classic crime/courtroom drama *Anatomy of a Murder* is the unmistakable profile of the iconic Egyptian Revival-style A and B shaft houses of Ishpeming's Cliff Shaft mine. Now preserved with the mine's dry, warehouse, shops and modern-era C Shaft headframe as the Cliffs Shaft Mine Museum, they will likewise provide a memorable setting for our Thursday evening reception.

A light meal and beverages will be served, and attendees will be free to explore the museum's grounds, buildings and extensive mineral display. Museum docents will be on hand to interpret exhibits and answer questions.

Friday, June 7**ANNUAL AWARDS BANQUET**

Where: Masonic Center Ballroom

Cost: \$35.00, Pre-registration required

Social hour: 5:30 – 6:30 pm

Banquet and awards presentation: 6:30 – 8 pm

Special post-banquet speaker: 8 – 9 pm -- Noted photo historian Jack Deo will present "A 3-D Trip to the Mines in 1870." Using state-of-the-art 3-D and digitizing technology, Jack will take us into the visual depths of the Upper Peninsula's historic iron and copper mines as recorded by vintage stereo view cards.

Don't miss this unique and fascinating presentation!

Saturday, June 8**PRESIDENTIAL LUNCHEON:**

Time: Noon

Where: Landmark Hotel – Harbor Banquet Room

Capacity: 80

Cost: \$25.00, pre-registration required

Passing of the Presidential Pick:

Keith Long, MHA President 2018-'19.

Stephanie Saager-Bourret, MHA President, 2019-'20:

"The Beaver and the Pick: Two Worlds Meet."

MICHIGAN IRON INDUSTRY MUSEUM OPEN HOUSE:

Time: 2:00 pm – 4:30 pm

Where: 73 Forge Road, Negaunee, MI

Admission: Free, but donations are encouraged.

Transportation by private vehicle (ride sharing is encouraged).

Exhibits, Iron Spirits film, and – at 3 p.m. - a special presentation by Mary Tippet: "Barnes-Hecker: The Legacy of Michigan's Worst Mining Disaster" -- Museum auditorium.

MHA MEMBERSHIP MEETING

Time: 4:00 pm – Museum auditorium

"A VANISHING BREED – THE MEN AND MEMORIES OF THE MATHER B":

Time: 5:30 – 8 pm

Where: Negaunee High School, 500 Arch Street, Negaunee, MI

Cost: \$15.00. Pre-registration required.

Transportation by private vehicle (ride sharing is encouraged).

Continued...

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The last of the Marquette Range's underground mines, Cleveland Cliffs' iconic Mather B, operated from 1950 to 1979. Bottoming at -3,660', the mine produced a remarkable 42-million tons of ore (almost 57-million tons when combined with the connected Mather A mine).

The staff and students of Negaunee High School offer MHAers a unique opportunity for a first-hand look back at the Mather B by visiting the school itself – which, before being repurposed, served as the mine's dry, shops and administrative offices. Attendees will get a through-the-fence view of the Mather B hoist house and shaft cap, and a brief tour of the service tunnels which remain below the school -- largely untouched since the mine closed.

A light supper of the regional favorite cudighi sandwiches will then be served in the school cafeteria (you haven't REALLY experienced the U.P. until you've had both pasty AND cudighi), followed by a showing of the acclaimed student documentary film, "A Vanishing Breed – The Men and Memories of the Mather B," in the school auditorium.

Sunday, June 9

ALL-DAY TOUR OF THE MENOMINEE IRON RANGE:

Time: 8:00 am – 6:30 pm

Tour capacity: 55,

Cost: \$55.00, pre-registration required.

The Menominee Iron Range lies about 50 miles south of the roughly parallel Marquette Range. Because of the steeply dipping orebodies common to the Menominee Range, most of its mines went underground from the start. The range was in continuous production from 1870 through 1978.

This all-day tour will explore the range from west to east by air-conditioned motor coach. Stops will include the substantially intact, early-20th-century Cardiff and Caspian mine headframes (the last two headframes still standing in Iron County, MI), the Iron County Historical Museum (where we will partake of a traditional pasty lunch), the spectacular 1893-vintage, 725-ton, E. P. Allis Cornish pumping engine and mining museum at Iron Mountain, MI, and the "Iron Mountain" (Vulcan) tour mine, where we will go underground for a first-hand sense of the scale and substance of historic Menominee Range mining. (Local historian/geologist Tom Mroz will join us there to help interpret both the geology and development of the eastern end of the range.)

This will be a long (crossing time zones from EDT to CDT, and back again), but not particularly strenuous, day. There will be ample time to "rest and recoup" on the motor coach between stops, and there are numerous points of interest and plenty of north woods scenery along the way. Water and light snacks will be available on the bus.

Monday, June 10

POST-CONFERENCE TOUR OF THE FAYETTE HISTORIC TOWNSITE: 10:00 am – 4:30 pm

Tour capacity: 30, pre-registration required. Cost: \$16.00. Transportation by private vehicle (ride sharing is encouraged).

The Fayette historic townsite is located approximately 92 miles and about a two-hour drive SSE of the Landmark Hotel. Please plan carefully to ensure an on-time arrival. There is no individual admission fee, but each vehicle must display a park pass (currently \$16 [annual] for vehicles with Michigan license plates, and \$9 [one-day] for those with out-of-state plates), available on site. The cost of the vehicle pass is NOT included in the trip registration fee.

Located on scenic Snail Shell Bay on Lake Michigan's north shore, Fayette was a busy smelting town from 1867 to 1891, producing charcoal pig iron from ores supplied from nearby Michigan and Wisconsin mines.

Preserved in a state of arrested decay, this spectacular historic site invites visitors to explore an array of numerous domestic and commercial structures, as well as the iron furnaces and charcoal kilns themselves.

A very good sense of what you will see and experience in Fayette can be had at:
www.youtube.com/watch?v=0Ew6OSvQneE

10:00 am:

Guided walking tours with site historian Troy Henderson and docents
(choice of furnace complex/industrial operations or company town/social history tours).

Noon:

Catered lunch in the historic Fayette hotel.

Afternoon:

On your own to further explore Fayette, return to Marquette, or continue on your homeward journey.

Non-registrants certainly may (and are encouraged to) independently visit the remarkable Fayette town site. Only trip registrants, however, may participate in the walking tours and catered lunch.

The Caspian Mine



**Final Program
Mining History Association
Marquette, MI 2019**

FRIDAY, JUNE 7

MORNING SESSION: 8:30AM - 11:30AM

SESSION 1: Overview of Upper Peninsula Iron & Gold Mining (8:30-9:40)

Terry S. Reynolds, "Michigan Iron: A Brief History"

Paul R. Spyhalski, "Escanaba in the Moonlight: The Escanaba and Gladstone Ore Docks in Hindsight"

Daniel R. Fountain, "Michigan Gold and Silver: A Brief History"

BREAK: 9:40-9:55

SESSION 2: Iron Ore: The Broader Context (9:55-11:30)

Fred Bernard, "Geological influences on early iron mining in eastern North America"

Samuel Di Rocco II, "Jonathan Warner and the Republic Iron Company, 1870-1895"

Henry Djerlev, "History of the Berkshire Mine, near Mellen, WI – Miners & Morticians"

Tamara Thomsen, "Days of Ore: Underwater Archaeological Investigations of the Freedom Iron Mine La Rue, Wisconsin) or Captain C.T. Roberts' Wet Prospect"

LUNCH (on your own): 11:30 – 1:00

FRIDAY AFTERNOON: 1:00PM - 3:10PM

SESSION 3: Michigan Copper (1:00-2:10)

Sean M. Gohman, "'Unalloyed Potential': The Workscapes of Mass Mining in Michigan's Copper Country"

Dan Trepal, "The Minong Copper Mining District National Historic Landmark Project"

Seth DePasqual, "Drilling for Hope: Exploration, Technology and the Conclusion of Copper Mining on Isle Royale"

BREAK: 2:10-2:20

SESSION 4: Processes and Machines (2:20-3:10)

William W. Culver, "Early Innovations in Copper Hydrometallurgy: The Almost Unknown 1866 Whelpley & Storer Process"

Mark Connor, "Mammoth Machines – The President and Chapin Mine Pumping Engines"

BREAK: 3:10-3:20

SESSION 5: COAL AND SALT (3:20-4:30)

Patrick Allan Pospisek, "Back to the Salt Mines: Midwestern Saline Leasing and the Evolution of Federal Mining Policy, 1785-1849"

Robert P. Wolensky, "Tenancy Systems in the Anthracite Industry: Subcontracting and Leasing in the Northern Coalfield of Northeastern Pennsylvania"

Stanley Vitton, "The Rise and Fall of Jackson County Michigan Coal Mines: 1853-1893"

SATURDAY, JUNE 9

SATURDAY MORNING: 8:00AM - 11:30AM

SESSION 6: PERSONALITIES AND PROBLEMS (8:00-9:10)

Susan Canty, "Jeanne Seaman Farnum: the First Woman Field Geologist in Michigan and her Grandfather A. E. Seaman"

Allie Penn, "Female Agitators: The Women of the 1913-14 Keweenaw Copper Strike"

Ralph W. Godell, "Front Line Stories by a Front Line Mining Lawyer"

BREAK: 9:10-9:20

SESSION 7: WESTERN MINING (9:20-10:10)

Ed Raines, "Boulder County [Colorado] steps onto the World Stage with Tungsten in its Pocket"

Silvia Pettem, "Mining Communities & Characters along the Switzerland Trail of America"

BREAK: 10:10-10:20

SESSION 8: MINING MISCELLANY (10:20-11:30)

Paul T. Brandes and Nathalie Nicole Brandes, "Mining in the Ancient World-- An Introduction to Methods and Technology"

Matthew Portfleet, "The Adventure Merchant Mine: Provoking Engagement"

Brian James Leech and Eric C. Nystrom, "Surveying the Minds: New Trends and Key Classics in Mining History"

MHA Conference Registration Form – Marquette, Michigan, June 6-10, 2019

Your Name (for Badge) _____
 Spouse/Partner Name _____
 Mailing Address _____
 City/State/Zip/Country _____
 Email _____ Telephone _____

Please check if a current MHA Member () To renew or become a Member, go to:
www.mininghistoryassociation.org/member

Please do not list me in the conference packet () Circle: YES or NO to list email address

REGISTRATIONS MUST BE RECEIVED BY MAY 15, 2019.

Note: Some tours and events have limited space. Early registration is encouraged.
 Refer to the newsletter or website for detailed information on each event and tour capacities.

CONFERENCE REGISTRATION	Cost per Person	Number Attending	Total/Event
Members	\$50.00	_____	\$ _____
Non-Members	\$60.00	_____	\$ _____
Spouse/Partner	\$30.00	_____	\$ _____
Student with School ID	\$40.00	_____	\$ _____
Thursday, June 6			
Eagle Mine Humboldt Tour 10 am – noon (limit 20)	no charge	_____	\$ _____
Cliffs Tour 9:30a – noon or 2:00p - 4:00 (limit 50)	no charge	_____	\$ _____
Eagle Mine Humboldt Mill Tour 2 – 4 pm (limit 20)	no charge	_____	\$ _____
Walking Tour of Marquette 1:30 – 4 pm (limit 25)	\$14.00	_____	\$ _____
Opening Reception @ Cliffs Museum 5:30 – 8 pm	\$20.00	_____	\$ _____
Friday, June 7			
Awards Banquet & 3-D Presentation 5:30 –9 pm	\$35.00	_____	\$ _____
Saturday, June 8			
Presidential Luncheon (limit 80) Noon	\$25.00	_____	\$ _____
The Mather B – Tour, 5:30 – 8 pm	\$15.00	_____	\$ _____
Sunday, June 9			
Field Trip to Menominee Iron Range 8 am – 6:30 pm (limit 55)	\$55.00	_____	\$ _____
Monday, June 10			
Field Trip to Fayette Townsite (limit 30)	\$16.00	_____	\$ _____
			TOTAL DUE \$ _____

Please use Registration Form on MHA website if paying by PayPal

NOTE: REGISTRATION FORM MUST BE MAILED EVEN IF USING PAYPAL
 Make checks payable to the Mining History Association - Mail completed Registration Form and payment to:

MHA – 2019
 Mark & Lynn Langenfeld
 N7111 County Road CC
 Monticello, WI 53570

*Mining History Association
P.O. Box 6356
Boise, Idaho 83707*

Upcoming Events

**Mining History Association Conference 5-9
June 2019
Marquette, Michigan**

**Mining History Association Conference
Elko, Nevada
June 2020**

**International Mining History Conference
Sudbury, Ontario, Canada
June, 2020**

**Australasian Mining History Conference
Cairns, Queensland, Australia
July, 2020**

The **Mining History Association** is an organization of individuals interested in the history of mining and metallurgy.

www.mininghistoryassociation.org

The Mining History News is published quarterly by the for the members of the MHA. Submissions for the newsletter are encouraged and should be sent to Dr. Nathan Delaney, **ndd22@case.edu**

Deadlines: Spring issue: February 15th
 Summer issue: June 15th
 Fall issue: August 15th
 Winter issue: December 15th

Change of Address: Please send all address changes to Rebecca Lange, Membership Chair, at the following address:

Mining History Association
P.O. Box 6356
Boise, Idaho 83707