

The Living Stones

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Livingston Gem and Mineral Society

August 2018

President Sherlynn's Message

46 Days to the ROCKHOUND'S DREAM SHOW
September 15 and 16, 2018

Here's how you can help now:

Sign up to work a show time on the board in the shop. Especially need more help with the kids' area as we are having a new attraction: A sand box filled with treasures that the kids can sift through and take home.

Donate polished or tumbled rocks and small plastic bags for treasure hunters. Donate items for Auctions and Drawings.

Sell tickets for our drawing – First Prize is a beautiful piece of copper. If you haven't already, please pick up your tickets from the shop by August 4.

Promote the Show in all your circles of influence. Full color postcards are available in the shop. A pdf of the Show Flyer was sent with the last Newsletter that you can email or print. Like and Share all mentions of the show on Facebook. Post the date on any community calendars you may use. Tell everyone you know. Heck, tell people you don't know!

Put together a Display! We have several libraries, as well as the cabinet in the front of the Hartland Education Support Services Center, eager to display our works during the next six weeks. These are great opportunities to promote the show so please help out by readying your display case a little earlier this year.

Thanks everybody! Hope you are having a great summer.

Sherlynn Everly, President



Hosting the 2020
MWF Convention!

LIVINGSTON GEM AND MINERAL SOCIETY NOTES from July 17, 2018 Picnic

Sherlynn received a call from a 4H Member looking for help for her son to finish a silver ring setting. Bob K. said he'd be available tomorrow.

Rockhound's Dream Show – Meeting scheduled for Tuesday, July 24 in the shop.

Thank you to George P., Jim H., Dan, John and all the Friday gang for making Sherlynn's granddaughter feel so welcome. She recited George's Petoskey Polishing technique most of the way home!

Rock of the Month Club – Jim Hansen reported 20 people attended on July 11 to learn more about Opal. Next up – Turquoise! August 15th, 2 pm, at the shop.

Cinda is organizing donations for Lavonne and Richard during their recuperation. She is also arranging for some meals.

Thank you, Jim Hansen and Bill Magee, for fixing the arm that holds the top open on the big saw.

One item of formal business: At its last meeting, the LGMS Board voted to recommend a courtesy membership for Sharon Krautheim in recognition of her commitment to the club; and in the hope that she will schedule regular lampwork beading classes for our members.

Per our bylaws, honorary memberships must be approved by the General Membership. A vote was taken and the recommendation passed unanimously.

Reported by: Sherlynn Everly, President

A Tiny Grain Helps to Reveal the History of a Rock

The University of Gothenburg. "A Tiny Grain Helps Reveal the History of a Rock." Science Daily, March 2013.
www.sciencedaily.com/releases/2013/03/1113032555093702.htm via The Pterodactyl, February 2017

Researchers can use the mineral rutile to learn about rock types and their history. Two articles published in the journal *Geology* now present a new application of a method for more easily tracing the mineral rutile. The co-authors of the articles are researchers at the University of Gothenburg.

Rutile is used in ceramics and paints, but is particularly useful for finding out about the history of a rock. Where mineral deposits are found, rutile is often also present. The new methods therefore bring opportunities for strategies to find other deposits, such as gold.

Until now, rutile has been a relatively unknown mineral, despite not being rare. For example, rutile can be found on most sandy beaches around the world, including in Sweden. "It's incredible to see how little attention was paid to rutile until around five years ago," says geologist and researcher Thomas Zack, from the University of Gothenburg's Department of Earth Sciences, who has devoted much of his scientific career to studying the mineral.

Now, geologists can identify rock types containing rutile and follow the changes in temperature and pressure that they have been exposed to throughout its history, even if rutile is barely visible to the naked eye. Previously, researchers had to investigate considerable more rutile-bearing samples in order to carry out analyses.

"But now we can identify the rock from which the rutile originates, even if we only have a tiny grain of rutile," adds Thomas Zack. The new method is called "Laser

Ablation ICP-MS" and produces results much faster than previous methods. "In analytical terms, this is one of the most important analytical instruments at the Department of Earth Sciences here in Gothenburg," concludes Thomas Zack.



Workshop Hours

Monday: 10 am to 1 pm
Tuesday: 9 am to 9 pm
Wednesday: 10 am to 9 pm
Friday: 9 am to 2 pm

2018 Officers and Chairpersons

President: Sherlynn Everly, 810-965-5899
 Vice President: AnnMarie McFadden, 248-884-8126
 Secretary: Lori Keefer, 248-634-8657
 Treasurer: Sheila York, 810-695-0509
 Second year Directors:
 Jim Hansen, 248-933-1482
 Sharon Parker, 517-548-0675
 First year Directors:
 LaVonne Foldenauer, 517-546-5463
 Bill Magee, 734-981-6117
 Hospitality and Sunshine:
 Venus Sage, 810-458-4290
 Shop Chairpersons: Jim Hansen, 248-933-1482
 Bill Magee, 734-981-6117
 Sharon Parker, 517-548-0675
 Newsletter : Isla Mitchell, 248-685-7804
 imvm.1@netzero.com
 Membership: Cinda Dawson, 810-632-6922
 Historian: Chuck Amberger, 248-787-6586
 Library: Bryant Hiiter, 248-210-6138
 Webmaster: Marc Lampcov
 www.livingstongems.com or
 www.livingstongemandmineralsociety.com
 General Membership Meetings are held monthly
 on the 3rd Tuesday at 6 pm (Except in January
 and February when board meetings are held in
 the shop.)



“LGMS Rocks for Members Only”
group page

Directions for August Potluck

David and Sharen Worden's home

9315 Andersonville Rd, Clarkston, MI 48346

Take M-59 east from the shop to Ormond Rd,
 turn left on Ormond (to do this you must make
 a U-turn on M-59 and then a right onto
 Ormond). Take Ormond till it forces a left or
 right turn; then turn right onto White Lake Rd
 and follow White Lake Rad to the stop light at
 Andersonville Rd. Turn left to the address
 which is about a mile down on the left. You
 will see a “Worden” sign. Do not park on the
 driveway. There is a lot of parking on the grass.
 Call 248-917-2822 if you get lost.

Rock of the Month Club

Meeting on Wednesday, August 15 at 2 pm
 (3rd Wednesday of the month)

Bryant Hiiter and Jim Hansen will lead the
 discussion on
**TURQUOISE AND COPPER BASED
 MINERALS**

Come to learn and share your specimens.

Our Mission

*The Livingston Gem and Mineral Society is a
 nonprofit organization and member of the
 Midwest Federation of Mineralogical Societies and
 the American Federation of
 Mineralogical Societies. Our purpose is to promote,
 through educational means, public interest and
 increased knowledge in the fields of mineralogy,
 archaeology, paleontology, and the lapidary arts.*

Upcoming Events

August 4, 2018

Rock Sale at D. Demerly's Rocks, Retired after 40 years in the business!

8 am to 4 pm at 29043 Alvin St, Garden City, MI

[Many bargains, great variety, no early arrivals please!]

Info: ddraw@comcast.net

August 4, 2018

Ishpeming Rock & Mineral Club Annual Show

Ishpeming Elks Club, 597 Lakeshore Dr., Ishpeming

. Contact: Ernie Johnson; (906) 228-9422; ejohnson@nmu.edu

August 10 -12, 2018

Copper Country Rock and Mineral Club Annual Show

Houghton Elementary School, 202 W. Jacker Ave, Houghton, MI

Contact: Norm Gruber, 1850 Clark St., Marquette 49855; (906) 228-6764; show@ccrmc.info

August 11, 2018

Flint Rock and Gem Club Rock Swap

Flint Rock and Gem Club Classroom, 10350 N. Saginaw Rd, Clio, MI

Info: Bill Wendling 810-638-5796, bwrockbarn@centurytel.net

September 7 -9, 2018

Toledo Gem and Ropckhound Club

Stranahan Exhibit Hall, 4645 Heatherdowns, Toledo, Ohio

Contact: Steve Shimatski; (419) 861-0147; sj132@gmail.com

September 15 – 16, 2018

Our own Livingston Gem and Mineral Society's Annual Show

Have you signed up to volunteer? Have you prepared your showcase?

Participate! Enjoy!



Excerpted from **The Copper Mines of Lake Superior (1905)** – early history
by **T.A. Richard**

(with appreciation for the research by LGMS member, Steve Calkins)

It is believed by many people, usually well informed, that in the mines of the Lake Superior region there are bodies of metallic copper so large that it has been found impracticable to extract them. I remember being told seriously seven years ago that in the Michipicoten district, on the north shore, there were rich copper lodes that were not profitable because the metal occurred in masses so huge that they could not be mined successfully.

The white men who first crossed the lake and penetrated the forests of the peninsula, found evidence of earlier attempts to extract the copper. We know that the Indians worked the metal that outcropped massively at many localities; and there are those who maintain that this was also done by an earlier race of higher capacities long since vanished. There is good reason to suppose that the Indians built fires around the masses of copper which were too large to be removed; and that after removing the adhering rock, loosened through the effect of the heat, they separated portions with their hatchets by pounding the copper into waves until it was finally forced apart in small fragments. Furthermore, the reports of the early voyageurs made mention of the celebrated “copper rock”, an immense boulder of metal found on the right bank of the Ontonagon river. It was visited by the first explorers and travelers, who testified that there was nothing like it anywhere in the world. It appeared to be out of place, and may have been moved by the Indians, thus far from the outcrop of the Minnesota lode, a distance of two miles only. It was floated down the river on a raft by Julius Eldred in 1843 to the village of Ontonagon to be seized subsequently by the United States Government and shipped to Washington, where it can now be seen at the Smithsonian Institution. It now stands in the National Museum, and weighs 6,500 pounds. According to Henry R. Schoolcraft, a member of the expedition that endeavored to bring it away, the greatest length of the mass was 3 feet, 8 inches, and its greatest width 3 feet 4 inches. The final effort to remove this unwieldy lump of metal is described thus: “It took a week for the party of 21 persons to get the rock up the 50-foot hill near the river, then they cut timbers and made a stout wooden railroad track, placed the rock on the car, and moved it with capstan and chains as houses are moved. For four miles and a half, over hills 600 feet high, through valleys and deep ravines, through thick forests where the path had to be cut through tangled underbrush, the home of pestiferous mosquitoes, this railway was laid and the copper boulder was transported and when at last the rock was lowered to the main stream, nature smiled on the labors of the workmen by sending a freshet to carry their heavily-laden boat over the lower rapids and down to the lake.

The Government paid \$5, 564.98 to Julius Eldred and sons for their time and expenses in purchasing, and removing the boulder.



Livingston Gem and Mineral Society
9525 E. Highland Road
Howell, MI 48843-9098



Potluck Picnic at David and Sharen Worden's Home

August 21, 2018 at 6 pm

9315 Andersonville Rd, Clarkston, MI 48346

(directions on page 3 of this newsletter)

Bring your own plate, silverware, beverage and a dish to share – plus, maybe a chair.

Trunk sales are welcome!

Livingston Gem and Mineral Society is a nonprofit organization and member of the Midwest Federation of Mineralogical Societies and the American Federation of Mineralogical Societies. Our purpose is to promote, through educational means, public interest and increased knowledge in the fields of mineralogy, archaeology, paleontology, and the lapidary arts. This society was established in 1970. The annual membership fee is \$50.00 for adults and \$25.00 for youth ages 13-17. There is an additional fee of \$1.00 per day for workshop use. Annual dues and annual shop fees are due on January 1 of each year. The Livingston Gem and Mineral Society publishes The Living Stones. Non copyrighted articles may be reprinted provided that they are properly attributed. Newsletter deadline is the 20th of each month. Articles or correspondence can be sent to LGMS Hartland Consolidated Schools, 9525 E. Highland Rd. Howell, Michigan 48843-9098.