

CMLMS  
P.O. Box 24202  
Lansing, Michigan 48909

**TIME VALUE  
FIRST CLASS**

# Rockhound News— February 2020

Official publication of the  
**Central Michigan Lapidary and Mineral Society**  
Affiliated with MWF and AFMS



# Rockhound News

This bulletin is the official publication of the Central Michigan Lapidary and Mineral Society of greater Lansing, Michigan. It is published each month except July and August.

The Central Michigan Lapidary and Mineral Society is a non-profit organization, meeting to promote interest and increased knowledge in the fields of mineralogy, geology, paleontology and the lapidary arts. It was organized in May 1957 and celebrated its 50th Anniversary in 2007.

**Meeting place: Masonic Center, 2175 Hamilton Street, Okemos, MI**

**Regular meeting date: Third Thursday, except July and August**

**Meeting time: 7:00 p.m., doors are open at 6:30 p.m.**

**Annual Dues: Adults \$10.00; Families \$15.00; Students under 18 \$2.00**

**Board meetings: First Thursday, except July and August; 7:00 p.m., Okemos Library**

## OFFICERS 2020

President	Nate Krupp	517-626-1136 nathan.krupp1@gmail.com
Vice-President	Steve Smith	517-896-6048 radssmith@radssmith.com
Recording Secretary	Jake Chybowski	jcchybow@gmail.com
Corresponding Secretary	Theresa Hubbard	517-203-9620 thrshubbard@yahoo.com
Treasurer	Elaine Beane	517-272-9661 gebeane@comcast.net
1 Year Director	Jessica Clark	517-242-0554 clark.jess.leigh@gmail.com
2 Year Director	Lyle Laylin	517-488-7908 lyle18@gmail.com
3 Year Director		
Acting Roster Secretary	Elaine Beane ( <i>pro tem</i> )	517-272-9661 gebeane@comcast.net
Liaison Officer	VACANT	
Past President	Sue Casler	517-582-2466 <a href="mailto:casler5copper@gmail.com">casler5copper@gmail.com</a>

## COMMITTEE CHAIRS 2020

Membership	Robin J. Smith	517-290-4891 rsmith@radssmith.com
Field Trip	Carl Mennare	517-599-1882 cmenn@yahoo.com
Publications	Chuck Taricska	517-331-1737 chuck_taricska@yahoo.com
Display	VACANT	
Education and Outreach	Theresa Hubbard	517-203-9620 <a href="mailto:thrshubbard@yahoo.com">thrshubbard@yahoo.com</a>
Library	Jessica Clark	517-242-0554 clark.jess.leigh@gmail.com
Finance	Milt Gere	517-669-8116 miltgere@aol.com
Show	Robin J. Smith	517-290-4891 rsmith@radssmith.com
Show Co-Chair	Ernie Aughenbaugh	989-224-7619 esaslapidary@gmail.com
Web Master	Lyle Laylin	<a href="http://www.michrocks.org">http://www.michrocks.org</a>

## Permanent Mailing Address

CMLMS

P.O. Box 24202

Lansing, Michigan 48909

<http://www.michrocks.org>

## Affiliated With

Midwest Federation of Mineralogical and Geological Societies, <http://www.amfed.org/mwf/>

# ROCKHOUND NEWS

**NEXT MEETING: Thursday, February 20, 2020**  
**PROGRAM: Video Presentation: “Science Night- 20**  
**Interesting Facts”**

**REFRESHMENTS: Members with Initials A - K Please Bring**  
**Goodies**

**Location and Time:** The CMLMS membership meeting will be held on February 20, 2020, at 7:00 p.m., at the **Masonic Center, 2175 Hamilton Street, beautiful downtown Okemos.**

## **Calendar for winter 2020**

February 20, 2020 - Membership meeting, 7:00 p.m., Masonic Center

March 5, 2020 - Board meeting, 7:00 p.m., Okemos Library

March 19, 2020 - Membership meeting, 7:00 p.m., Masonic Center

April 3, 2020 - Board meeting, 7:00 p.m., Okemos Library

[Editor's note: the deadline for the newsletter is **Monday, 8 a.m.** after the board meeting.]

## **UPCOMING PROGRAMS**

February 20 – Three short videos- “Science Night- 20 Interesting Facts”

March 19- To Be Announced

## **VACANCIES ON THE BOARD**

The following positions need staffing. Please consider volunteering for your society and helping out. It's a nice way to get to know members.

**Display Chair** - sets up the memorial displays at the club show and takes to other rock shows.

**Liaison Officer.** Maintains contacts and shares club info from similar groups around the state.

**To all recently new members:** We are delighted that you are interested enough in the Club's activities and stated mission to wish to join the group. We wish you to truly JOIN by becoming involved in our activities and welcome your thoughts about Club activities. All are welcome to attend Board meetings and share your thoughts. We value your participation since ‘many hands make light work.’ - Roger Laylin.

## CLUB NEWS

**Note from the Corresponding Secretary:** A sympathy card was sent to Wanda Gurski, a demonstrator at our annual show, for the death of her husband, James, who always accompanied her at the shows.

A sympathy card and memorial request form was sent to Cheryl Powers, the daughter of Rosa Manina. Rosa Manina was a Life member and an active rock collector.

**Newsletter:** If you have and club news or information you would like to pass along to the group, please email Chuck Taricska at [chuck\\_taricska@yahoo.com](mailto:chuck_taricska@yahoo.com) and he will make a note in the Newsletter.

**Outreach Committee:** Science Nights update-- Kinawa Middle School Friday, March 20 and Beagle Elementary March 13 ( Dave Berquist has signed us up) have been added to the list with Bennet Woods on March 5th. March is going to be quite busy so make sure you have room on your calendars.

March 5th is also a board meeting night, so we will need some club members to help out at the Bennett Woods Science night.

We are always in need of volunteers to help with school science fairs, talks and presentations at schools and other organizations, and educational opportunities. Contact committee chair Theresa Hubbard to lend a hand. 517-203-9620; [thrshubbard@yahoo.com](mailto:thrshubbard@yahoo.com).

**Library:** Check out the new books in the library boxes. Always something in there, old or new, for all interests.

### **Field Trips!**

We are looking into a field trip to the **57<sup>th</sup> annual Rockhound Gemboree**- Canada's largest Gem and Mineral Show. The Gemboree is July 30 to Aug. 2 in Bancroft, Ontario. We will have some info sheets at the meeting. Start checking your calendars to see if you can make this trip. We will start discussing plans at upcoming meetings. <http://rockhoundgemboree.ca/>

If you have any ideas for field trips or want to get on the list for field trip notices, please contact Carl Mennare. Cell phone **517-599-1882** or [cmenn@yahoo.com](mailto:cmenn@yahoo.com).

***CHECK OUT OUR WEBSITE [MICHROCKS.ORG](http://MICHROCKS.ORG)***

## UPCOMING SHOWS

**Feb. 29- Mar. 1: LIVONIA, MI** The Roamin Club Annual Auction. Sat 11 am - 6 pm; Sun 10 am - 6 pm. Schoolcraft Community College, 18600 Haggerty Rd., Livonia. Contact: Todd Gall (248) 345-0676; <https://roaminrockclub.weebly.com/>

**March 28: TAYLOR, MI** Midwest Mineralogical & Lapidary Society Rock Swap. 10 am - 5 pm. St. Johns Lutheran Church, 13115 Telegraph Rd., Taylor, MI Contact: Lou Talley, (734) 837-8920; [ltalley1970@gmail.com](mailto:ltalley1970@gmail.com); [www.mmls.us](http://www.mmls.us)

**March 28-29: CANTON, OH** Stark County Gem & Mineral Club Annual Show. Sat 9 am - 5 pm; Sun 10 am - 5 pm. Stark County Fairgrounds, 305 Wertz Ave, Canton. Contact: Scott Walton, (330) 493-5752; [ltimothy412@att.net](mailto:ltimothy412@att.net); [www.facebook.com/SCOGMC/](http://www.facebook.com/SCOGMC/)

**April 4-5: COLUMBUS, OH** Columbus Rock & Mineral Society Annual Show. Sat 10 am - 6 pm; Sun 11 am - 5 pm. Northland Performing Arts Center, 4411 Tamarack Blvd, Columbus. Contact: Craig Kramer, (614) 436-4511; [show-info@columbusrockandmineralsociety.org](mailto:show-info@columbusrockandmineralsociety.org); [www.columbusrockandmineralsociety.org](http://www.columbusrockandmineralsociety.org)

**April 25-26: BAY CITY, MI** Tri-County Rocks & Minerals Society Rocks & Mineral Show. Sat 10 am - 9 pm; Sun Noon - 6 pm. Bay City Town Center, 4101 E. Wilder Rd., Bay City. Contact: Renee Simmons (989) 751-5650; [simmonsironman@yahoo.com](mailto:simmonsironman@yahoo.com); or Kim Sherwood, (989) 225-9140

**April 25-26: CUYAHOGA FALLS, OH** Summit Lapidary Club Annual Show. Sat 10 am - 6 pm; Sun 10 am - 5 pm. Emidio & Sons Expo Center, 48 East Bath Rd., Cuyahoga Falls. Contact: Guy Kotch, [gemboreechairman@gmail.com](mailto:gemboreechairman@gmail.com)

## CMLMS MINUTES

### CMLMS, Membership Meeting Minutes

**January 16, 2020**

**Call to Order:** President Nate Krupp called the meeting to order at 7:10 p.m. at the Masonic Center in Okemos.

**Welcome and Introduction of Guests/Visitors:** Ruth & Mort Tatara were visiting from Mason.

**President's announcements:** Nate announced that extra copies of the Jan Newsletter are on the table near the library.

**Treasurer's Report:** Elaine Beane presented a report, stating that nearly all checks written in December, including payment to Ingham Co. Fairgrounds for the show were not yet cashed.

**Field Trips:** The Bancroft, Ontario Gemboree dates have been published: July 30 - Aug 2.

**Education and Outreach:** Theresa H. spoke on the 5 kinds of magnetism and the different crystal structure of iron oxide compounds. We have received word that Bennett Woods Elementary School's Science Night is March 6.

**Other Announcements:** Lyle Laylin is in AZ and has purchased gastropods, turquoise, tiger eye, tumbled stones, rose quartz, sodalite and unakite for the show. Lyle also attended the MSU Award Ceremony this past May where our student scholarship was awarded.

Roger and Lee L. have been going through the club library and books that have never been checked out are displayed on the table. The Board will be discussing what to do with unwanted library material.

**Door Prizes:** Dan Sine handed out many prizes to lucky winners.

**Adjournment:** Diane B. moved to adjourn the meeting and Steve S. seconded. The meeting adjourned at 7:40 p.m

**Program:** Video on MI copper mining in the black powder era.

Respectfully Submitted, Nate Krupp

### **CMLMS, Board Meeting Minutes: January 2, 2020**

**Board Members:** Ernie Aughenbaugh, Elaine Beane, Sue Casler, Jessica Clark, Milt Gere, Theresa Hubbard, Nate Krupp, Lyle Laylin, Roger Laylin, Carl Mennare, Fay Mennare, Dan Sine, Jacob Chybowski, Robin Smith, Steve Smith, Chuck Taricska.

**Board Members absent:** Nate Krupp, Lyle Laylin, Robin Smith, Jessica Clark.

**Members Present:** None.

**President:** Nate Krupp was absent and gave no report.

**Vice-President:** Steve Smith called the meeting to order at 7:01 p.m. at the Okemos Public Library. The regular January meeting will feature a DVD viewing instead of a guest speaker. It is

titled, Copper Country: The Black Powder Era. Roger was asked if he would make sure the projector was brought to the meeting. Steve asked that anyone with float copper or other copper country specimens bring some in to show in conjunction with the movie.

**Treasurer:** Elaine Beane presented a printed report on the finances and accounted for the deposits she plans to make the next day. She explained that income is harder to track than spending since spending is all via checks with receipts. Then she asked if anyone has suggestions on easier ways to track income sources? This was left open ended.

**Recording Secretary:** Jake Chybowski was guided by Steve Smith who asked for approval of the Regular November Meeting's and both of December's Regular and Board Meeting's Minutes. Sue Casler motioned for a vote and Fay Mennare seconded and all were in favor of those minutes being published as they stand.

**Corresponding Secretary:** Theresa Hubbard was provided with the obituary of the late Rosa Alberta Manina, to be included in the memorial records. Theresa committed to writing a memorial to be included in the newsletter.

**Directors:**

**Director 1** - Lyle Laylin was absent and gave no report.

**Director 2** – Gave no report.

**Director 3** - Jessica Clark was absent and gave no report.

**Show:** Roger Laylin said the show will be held on October 23, 24, and 25 of 2020.

**Roster Secretary/Membership:** Robin Smith was absent and gave no report.

**Liaison Officer:** Vacant position with no report.

**Past President:** Sue Casler suggested notes be taken during the 2020 show on what products seem to move the best and which lacked interest. Fay Mennare believed the peacock ore and selenite mostly sold out and it seemed anything shiny or colorful move the best. Roger Laylin will email and ask Lyle Laylin to look into procuring more on his trip out west.

**Field Trips:** Carl and Fay Mennare confirmed the field trip will be to Gemboree July 30<sup>th</sup> – August 2<sup>nd</sup>. Accommodations are still being investigated and information regarding the event can be found at [rockhoundgemboree.ca](http://rockhoundgemboree.ca).

**Publications:** Chuck Tariscka said that due to the backlog of minutes being approved this January's newsletter will be relatively long. Also, he reminded us that if anyone had notifications to publish they need to contact him.

**Education:** Theresa Hubbard said the next science night will be at Bennett Woods Elementary on March 5<sup>th</sup>, coinciding with the board meeting. Regular members will likely need to be

recruited to assist and for those interested the setup that day will begin at 5pm. The other schools have remained on holiday and thus have not been in contact with her.

**Community Outreach:** Mary Gowans was covered by Theresa and had nothing to report. Robin has extra maps to be given out at outreach events. She added a reminder that outreach event info should be shared to the CMLMS Facebook and website.

**Library:** Jessica Clark was absent and had nothing to report.

**Display:** Vacant position with no report given.

**Finance:** Milt Gere provided the approved 2020 budget.

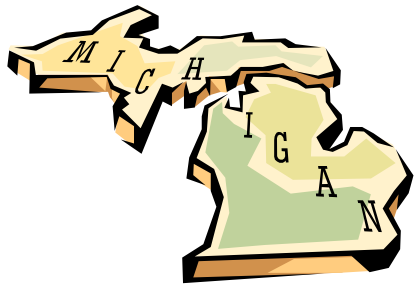
**Webmaster:** Lyle Laylin was absent and had nothing to report.

**Old business:** Nothing was reported for old business.

**New Business:** Theresa Hubbard has 15 minutes worth of information on iron formations to present at the regular meeting.

**Adjournment:** Elaine Beane made a motion to adjourn the meeting. The motion received a second by Fay Mennare and the meeting was adjourned at 8 p.m.

Respectfully submitted by Jake Chybowski, Recording Secretary.



## The Michigan Puddingstone

Steven Wade Veatch

Michigan's puddingstones are intriguing rocks that look like a glob of pudding stuffed with raisins, nuts and bits of cranberries. These white rocks, with small red, brown, purple and black pebbles, are not a Michigan product. During the last ice age, they hitched a ride into Michigan on an ice sheet and got off in the southern part of the state when the ice melted.



Fig. 1. An unpolished puddingstone from Michigan. Some contain trace amounts of gold and diamonds. These rocks are commonly found just after farmers plow their fields in Michigan. Puddingstones were brought to Michigan by Ice Age glaciers. Jo Beckwith Specimen. Photo by S. W. Veatch.

Puddingstones went through several steps in their formation (in what is now part of Ontario in Canada), before they went on their journey to Michigan. First, a network of rapidly flowing streams tumbled red and coffee-brown jasper, funeral-black chert, hematite, and quartz in their churning water. Next, the streams deposited the material as sedimentary fill in eroded troughs and as alluvial fans, when the streams reduced their velocity and scattered the colorful pebbles onto mounds of sand (Lowey, 1985; Baumann et al., 2001).

Then, the sand and pebbles hardened beneath the Earth's surface and, over time, formed sedimentary rocks known as conglomerates (Slawson, 1933).

Later, intense heat and pressure metamorphosed the matrix of sand into a light-colored, coarse-grained, sugary-textured quartzite that tightly held the pebbles (Schaetzl, n.d.). These geological forces formed the puddingstones around 2.3 billion years ago.

Today, geologists recognize these conglomerates as part of the Lorrain Quartzite of the Cobalt Series (Door and Eschman, 1970). This rock formation occurs as thick beds at Saint Joseph Island in Northern Ontario, Canada. The conglomerates also are found by the Saint Mary's River north of the Bruce Mines. This area is located 65 km (40 miles) east of Sault Sainte Marie in Ontario.

Puddingstones traveled south during the last ice age with the immense Laurentide Ice Sheet as it flowed at a glacial pace down from Canada. This ice plucked the puddingstones from the underlying bedrock, carried them hundreds of kilometers, and delivered those rocks to Michigan about 24,000 years ago.

This slowly advancing ice plowed across the landscape for thousands of years until rising temperatures, brought on by a climatic shift, ended their movement in Michigan. As the glacial ice melted it deposited glacial till that contained the puddingstones.

Today, farmers in the southern part of Michigan find puddingstones after spring plowing. Since tightly cemented puddingstones can be cut and polished, they are in demand by Michigan artists and crafters, who make jewelry and ornaments out of them. Puddingstones are commonly found as garden decorations that adorn Michigan homes and farms. People also collect and display puddingstones for their striking colors and appearance.



Fig. 2. Since puddingstones are so hard, they take a nice polish as seen in this example. Steven Veatch specimen. Photo by S.W. Veatch.

In fact, as grandparents and parents take children outside to hunt for puddingstones, they pass an interest in puddingstones and geology down through generations of Michigan families. The tradition of looking for these goes back to the settlement of Michigan, and there is no sign of this interest ending anytime soon.

### **References cited:**

Baumann, S. D., J. T. Arrospeide, and A. E. Wolosyzn, 2011, Preliminary Redefinition of the Cobalt Group (Huronian Supergroup), in the Southern Geologic Province, Ontario, Canada. Midwest Institute of Geosciences and Engineering, Chicago, Illinois, USA.

Door, J. A. and Eschman, D., 1970, Geology of Michigan: Ann Arbor, The University of Michigan Press.

Lowey, G.W., 1985, Stratigraphy and Sedimentology of the Lorrain Formation, Huronian Supergroup (Aphebian), Between Sault Ste. Marie and Elliot Lake, Ontario, and Implications for Stratiform Gold Mineralization, Open File Report no. 1154. Geological Survey of Canada, Ottawa, Canada.

Schaetzl, R. J. (n.d.), Geography of Michigan and the Great Lakes Region. Retrieved, from <http://geo.msu.edu/extra/geogmich/Puddingstones.html> on January 22, 2020.

Slawson, C. B., 1933, The Jasper Conglomerate, an Index of Drift Dispersion. The Journal of Geology, Vol. 41, No. 5, p. 546–52.