

CMLMS
P.O. Box 24202
Lansing, Michigan 48909

**TIME VALUE
FIRST CLASS**

Rockhound News—November 2022

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

**Dues are
Due!**



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 2022

President	Nate Krupp	517-626-1136 nathan.krupp1@gmail.com
Vice-President	Steve Smith	517-896-6048 radssmith@radssmith.com
Recording Secretary	Jessica Clark	517-242-0554 clark.jess.leigh@gmail.com
Corresponding Secretary	Theresa Hubbard	517-203-9620 thrshubbard@yahoo.com
Treasurer	Fawn Dunbar	517-488-1992 fawn.l.dunbar@gmail.com
1 Year Director	Lyle Laylin	517-485-7908 lyle18@gmail.com
2 Year Director	Sally Hedin	517-281-0575 sallyhedin@yahoo.com
3 Year Director	Ruth Lehner	517-643-4406 geacie48@gmail.com
Roster Secretary	Robin J. Smith	517-290-4891 rsmith@radssmith.com
Liaison Officer	VACANT	
Past President	Sue Casler	517-582-2466 casler5copper@gmail.com

COMMITTEE CHAIRS 2022

Membership	Robin J. Smith	517-290-4891 rsmith@radssmith.com
Field Trips	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 thrshubbard@yahoo.com
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
Dealers and Demonstrators	Ruth Lehner	517-643-4406 geacie48@gmail.com
Web Master	Lyle Laylin	517-485-7908 lyle18@gmail.com

Permanent Mailing Address

CMLMS

P.O. Box 24202

Lansing, Michigan 48909

Club Website: <http://www.michrocks.org>

Please check out the website and Newsletter of our Affiliated club: Midwest Federation of Mineralogical and Geological Societies, <http://www.mwfed.org/>

ROCKHOUND NEWS

NEXT MEETING: Thursday, Nov 17, 2022 @ 7:00 pm
PROGRAM: Steven Veatch “Ghosts of Gilman Colorado”
REFRESHMENTS: Members with initials A-K, Please bring snacks

Location and Time: The CMLMS membership meeting will be held on November 17, 2022 at 7:00 p.m., at the **Masonic Center, 2175 Hamilton Street, beautiful downtown Okemos.**

CONSTRUCTION NOTE: Okemos Road is still closed at Grand River for construction. Please plan your route accordingly to avoid road closures, and be aware of heavy traffic.

Calendar for Fall 2022

November 3, 2022 - Board meeting, 6:00 p.m., Okemos Library
November 17, 2022- Membership meeting, 7:00 p.m., Masonic Center
December 1, 2022 - Board meeting, 7:00 p.m., Okemos Library
December 15, 2022 - Membership meeting, 7:00 p.m., Masonic Center
January 5, 2023 - Board meeting, 7:00 p.m., Okemos Library
January 19, 2023 - Membership meeting, 7:00 p.m., Masonic Center
[Editor’s note: the deadline for the newsletter is **Wednesday, 6pm.** after the board meeting.]

UPCOMING PROGRAMS

November 17 – Membership Meeting – presentation by Club Member Steven Veatch, “Ghosts of Gilman Colorado” The History of the former Silver, gold, copper, zinc and lead mining town.
-We will also be Voting on 2023 club officers.

December 15 - Christmas party and Rocky Gift Exchange, installation of officers, mini silent auction. All members should plan to bring snacks/goodies to share.

January 19 - TBA

WELCOME NEW MEMBERS:

Lesia Stoddard from St. Johns, Carrie Anthony, Seanna Cornelius and Dianne Warren from Mason, Jerry Michalwicz from Mason, Tom Kenney from Lansing, Sal Palombo from Dewitt, and Alan Cunnington from Lyons. Welcome to the club!

ELECTION OF 2023 OFFICERS

At our November membership meeting, elections for the 2023 club officers will be held. The proposed slate of officers was presented at the October 20 membership meeting which was at the Ingham County Fairgrounds.

2023 Slate of Officers

President: Nate Krupp (5 th year of term)	Corresponding Secretary: Theresa Hubbard
Vice President: Vacant	1-Yr Director: Steve Smith
Treasurer: Fawn Dunbar	2-Yr Director: Ruth Lehner
Recording Secretary: Jessica Clark	3-Yr Director: Maddy Newman

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.

Vice President – Organizes programs for membership meetings, helps president guide club.

To all recent club members: We are delighted that you are interested enough in the Club's activities and stated mission 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".

2022 CMLMS Raffle Report, By Sue Casler

We sold 1,188 (out of 1,200) Raffle tickets and gave out 38 prizes. A **BIG** thank you to all our dealers who donated items for our raffle (and a couple even donated more than one item!). Special thanks to Beauties of Creation for their donation of a very large Orthoceras sculpture- which was too big for the raffle so it went on the special silent auction table. And thanks to club members for their donations.

Big Big Thanks to all the folks that volunteered to sell raffle tickets all weekend- Roni, Amy, Alicia, Fawn and Kathy (who by the way did a great job w/ announcing!). You all did an **awesome** job! Thank you to John Juroszek for obtaining our raffle license and tickets.

All of the donations and volunteer time are very much appreciated as they go toward the club's MSU Scholarship endeavor.

Message from the Membership Chair Robin Smith

Dues are now being collected for 2023

It's that time again when you are asked to renew your membership in the Central Michigan Lapidary and Mineral Society. (Membership runs from January through December each year.) Membership dues for 2023 are being collected through the end of December, at which time, if unpaid, you will be removed from the list for the newsletter. If you have not paid, please remember you will no longer have privileges for field trips. **YOU MUST BE A SOCIETY MEMBER TO GO WITH THE SOCIETY.** Please keep in mind that December 31 of each year is the actual date your dues should be paid to the society so the board can plan accordingly for publishing an annual directory and insurance for each member for field trips. **Renewal forms are available on the web site <https://www.michrocks.org/club-info/join-us> and at meetings. DO IT TODAY BEFORE YOU FORGET!!!!.**

UPCOMING SHOWS

Nov. 5-6: Mid Michigan Rock Club Annual Show, 10am – 5pm

Chippewa Nature Center, 400 S Badour Rd, Midland, MI 48640

Contact: Debra Young, (989) 245-0343; debiyoung@yahoo.com; www.midmichrockclub.com

Nov. 14: Michigan Mineralogical Society Annual Auction, 7pm – 8pm

Cranbrook Institute of Science, 39221 Woodward Ave, Bloomfield Hills, MI 48304

Contact: Brad Zylman, (612) 600-9484; brad.zylman@mrm.com; www.michmin.org

Duria Antiquior: A Nineteenth-Century Forerunner of Paleoart

By Steven Wade Veatch; Previously published by the Colorado Springs Mineralogical Society and Deposits magazine.

In a breath of inspiration in 1830, English geologist Henry De la Beche (1796–1855), while exploring new intellectual territories in the emerging fields of paleontology, painted *Duria Antiquior* (meaning “a more ancient Dorset”), a representation of a prehistoric Dorset coast. De la Beche’s work was groundbreaking—his artwork combined science and art in the first artistic rendering of a paleontological scene, while laying bare the secrets of the past. Before 1830, art depicting the prehistoric world did not exist and these realms were unknown to the public (Porter, n.d.). While it is true that scientists made drawings of fossil animals and exchanged them with each other in private letters, the public had no concept of how prehistoric animals looked. This painting opened people’s imagination to new visions, thoughts, and beliefs.

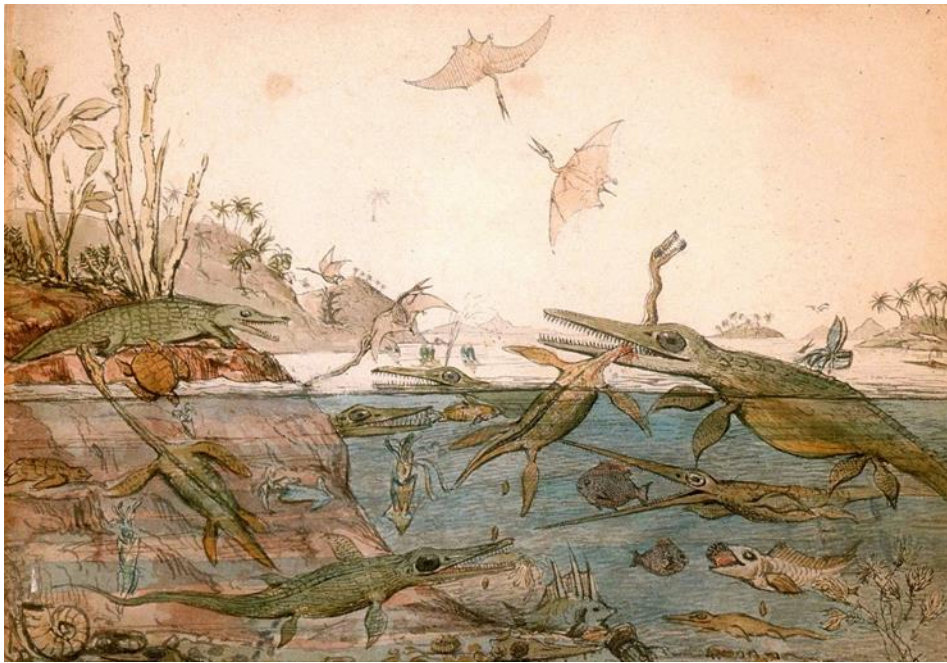


Fig. 1. *Duria Antiquior*. A watercolor painted in 1830 by Henry De la Beche who conjured up a vivid picture of an ancient world. *Duria Antiquior* is now in the National Museum of Wales. (Image is public domain).

De la Beche's painting also laid the foundation for a new genre that would later be known as *paleoart*, an artistic genre that reconstructs prehistoric life according to the fossil record, scientific understanding, and artistic imagination. De la Bache's brushstrokes of prehistoric time included (literally) all the information known at that time about ancient life and soon became the first teaching graphic used in the classrooms of the Golden Age of Geology, a period from 1788 to 1840 (Clary R. M., 2003). Today, this graphic would be equivalent to a PowerPoint slide in a classroom.

De la Beche's *Duria Antiquior* brings the viewer face-to-face with creatures that once lived in a coastal sea where these animals fought a deadly battle for survival, a typical theme of nature in the Regency era (McGowan, 2001). The scene is remarkable: a toothy ichthyosaur bites into the long neck of a plesiosaur, while another plesiosaur tries to grab a crocodile on the shore (De la Beche's ichthyosaur is minus the triangular dorsal fin and vertical tail fin that, from later fossils found in Germany, we now know it had). A turtle quietly dives into the water. What would become coprolites (fossil excrement) drop from a terrified plesiosaur (Davis, 2012). Other creatures patrol the deep waters for food, while two pterosaurs dive toward each other in the sky. Belemnites appear like squids. Hollow ammonite shells rest on the bottom of the sea and crinoids (sea lilies) are portrayed in the lower right corner. Groves of palm trees grow on the shore. All of this is rendered through the painter's use of a restrained palette of browns, greens, and blues.

Another striking feature of the painting is how it is divided. The waterline reveals the action above and below the water's surface (Rudwick, 1992). The *Duria Antiquior* is the first example of what is known as the aquarium view that would become a Victorian trend several years later (Clary & Wandersee, 2005). The area above the waterline is further divided into two

areas of activity—action on the land and in the sky. De la Beche wanted the viewer to be convinced of his portrayal of a prehistoric scene.

De La Beche based the *Duria Antiquior* on fossils found by Victorian fossil collector, Mary Anning (1799-1847), along the Dorset coast near the resort town of Lyme Regis (Brewster,



Fig. 2. Portrait of Mary Anning with her dog, Tray. This painting was owned by her brother, Joseph, and given to the Natural History Museum, London in 1935 by Mary's great-great niece, Miss Annette Anning. (Image is public domain).

2016). Anning was from a poor family, who frequently found themselves on the far side of desperate. To ease these brutal financial circumstances, the family earned money by collecting and selling fossils. As a child, her father would take Mary Anning and her brother, Joseph, fossil hunting by the fossil-rich cliffs near Lyme Regis. They returned home with fossils and, with superior skill, cleaned and prepared them, and then sold them to tourists as curios. Anning, aged 11, continued the family business after her father died of tuberculosis and heavily in debt.

By 1830, Anning was a celebrity among the leading constellation of British geologists

for her knowledge and skill in collecting and preparing fossils (Cadbury, 2000). Anning is credited with finding the first ichthyosaur skeleton to be recognized and the first two plesiosaur skeletons ever found. Her discovery of these marine reptiles had created a sensation in the scientific community (McGowan, 2001).

Anning frequently found herself in financial straits due to harsh economic times in Britain, and from the unpredictability of finding and selling fossils. Being strapped for money restricted her ability to find fossils. De la Beche wanted to keep her in the field hunting fossils. To that end, he arranged to have prints of *Duria Antiquior* made and then sold the copies for £2 10s (approximately £213 or \$279 today) each (Rudwick, 1992). De la Beche gave the profits—with great enthusiasm—to Anning, so she had more time to hunt for fossils and seashells along the seashore. The painting was a smashing success and, to meet the enormous demand for the prints, the *Duria Antiquior* was reprinted and redrawn several times.

The *Duria Antiquior* pushed the boundaries of science and art at the end of the Regency period in Britain. This avant-garde watercolor became the first scene of prehistoric animals interacting with each other in their ancient environment, all based on known science at the time. This was the earliest such art to be widely distributed and helped shape the understanding of prehistoric life on Earth.

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CMLMS MINUTES

Membership Meeting, 10/20/2022

Call to Order: President Nate Krupp called the meeting to order at 7:05 p.m. at the Ingham County Fairgrounds in Mason, MI.

Welcome and Introduction of Guests/Visitors: n/a

President's announcements:

President-	Nate Krupp
Vice President-	Vacant
Recording Secretary-	Jessica Clark
Corresponding Secretary-	Theresa Hubbard
Treasurer-	Fawn Dunbar
1 Year Director-	Steve Smith
2 Year Director-	Ruth Lehner
3 Year Director-	Maddy Newman

This month we approved the potential slate of officers for the club. It passed through the board with no objections.

We will vote on the slate of Officers in November and the Officers will be installed in December.

Theresa and Nate will be talking to the Looking Glass Garden Club on November 7th.

The speaker for the November 17th meeting will be Steven Veatch. He will be speaking about fossils.

Treasurer's Report: Fawn Dunbar

We will be doing cash only at the door this year. We plan to use Venmo or another electric option next year at the admission gate.

Field Trips: Carl Mennare

No field trips currently scheduled at this time.

Education & Outreach: Theresa Hubbard

Nothing to report.

Officer and Chair Announcements: None.

Show: Robin Smith

She can use help at 9 am to set up for the show tomorrow.

Volunteers and club members can sign for their club shirt at the Volunteer Check-In station.

Door Prizes:

We have 8 door prizes today.

Adjournment:

The meeting adjourned at 6:50 p.m. Milt motioned to adjourn. Richard seconded.

Program: Continue to set up for the show.

Respectfully Submitted, Jessica Clark, Recording Secretary.

Membership Meeting, 9/15/2022

Call to Order: President Nate Krupp called the meeting to order at 7:09 p.m. at the Masonic Center in Okemos.

Welcome and Introduction of Guests/Visitors: Our visitor is Amy Guysert from Lansing.

President's announcements:

November 7th, we have been asked to speak at the Looking Glass Garden Club. They said we can talk about anything rock related at the meeting. Carl mentioned that we should maybe ask the MSU Scholarship students to chat with them. Theresa will ask the Garden Club to narrow down what they want us to talk about.

Grand Ledge Library would like a display from us again. We need to install the display here quickly. We can put a pamphlet in the display about the show. Steve (had mentioned in the past) that the club should put together a Michigan rocks specimen box/kit to take to places like libraries as quick displays. Nate will tell the library that we will be there.

Work bee this Saturday at Roger's. We need to rearrange the trailer and sort stones for the show. We are meeting at 9:30am. We will all have lunch together.

Here is the slate of officers for next year.

Nate is willing to be President again. We need a Vice President. Steve would like to step down. We are currently looking for a Vice President.

Past President-Sue Casler

Recording Secretary-Jessica Clark

Corresponding Secretary-Theresa Hubbard

Treasurer-Fawn Dunbar

3rd yr. Director-Steve Smith

2nd yr. Director-Ruth Lehner

1st yr. Director-Dan Sine or Sally Hedin?

Roster-Robin Smith

Field Trips and Liaison Officer-Carl Mennare

Display-still open, Nate has been doing it, we are looking for a volunteer

Education and Outreach-Theresa Hubbard

Library-Jessica Clark

Finance-Milt Gere

Show Chair-Robin Smith

Display Chair-Ruth Lehner

Lyle Laylin-Webmaster

Reminder: The meeting next month is at the fairgrounds (Thursday, Sept 20th at 7pm). We will have pizza for volunteers. Please come early to help set up for this year's show.

Email Nate with any questions you may have about the upcoming show or our next meeting.

Treasurer's Report: Fawn Dunbar

We have money in the account. She just got a check in the mail from Ruth. Fawn will deposit the check from the dealer. We will be purchasing a square and a prepaid cell phone to just use at the show. This is for customers to pay with credit cards for their entrance into the show.

Field Trips: Carl Mennare

The club has one ticket left to the Thornton Quarry near Chicago, Illinois. The group that is going will be

looking for marine fossils.

This will be happening Saturday, October 1st at 10 am Central Time/11 am Eastern Time.

This will be the last outing for the year.

The club is taking new ideas for 2023 field trips.

Is the Alpena Quarry open?

Fawn thinks maybe we can go panning for gold.

Education & Outreach: Theresa Hubbard

She is looking for people to volunteer at the children's table during the show.

We will be back to having science nights. She has contacted the schools. Fawn would like to volunteer.

Theresa has a few school groups coming to our show. She would like volunteers for Friday.

Officer and Chair Announcements:

Please buy library books from the club in today's auction.

Show: Robin Smith-absent

The \$1 off coupon will be on the website. Scouts in uniform are always free.

Robin will have a volunteer sign up for the show available soon.

4 hours of volunteering gets you into the show for free.

We will need volunteers to help us set up around noon on Thursday. We need VOLUNTEERS!

Everything must be set up by 12:30pm on Friday. The show opens at 1pm.

Fawn Dunbar (fawn.l.dunbar@gmail.com) will take volunteers for selling tickets through her email and

Theresa Hubbard (thrshubbard@yahoo.com) will take volunteers for the children's table through her email as well. Please contact them to sign up.

Theresa Hubbard will be the raffle contact person this year.

Can we give the gentleman that prints our raffle tickets some free show tickets? As a group we agreed that this is okay. Theresa will send him a couple tickets in the mail.

Door Prizes:

We have 13 door prizes today.

Adjournment:

The meeting adjourned at 8:24p.m. Fawn motioned to adjourn. Fay seconded.

Program: Show and tell, Silent Auction, talk about summer adventures.

Come see the rock Lyle split at Roger's house on Saturday.

Note: We have 8 boxes of fossils to help Roger go through. This was a donation from a club member. He can use volunteers to help.