

CMLMS
P.O. Box 24202
Lansing, Michigan 48909

**TIME VALUE
FIRST CLASS**

Rockhound News—February 2022

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

**Is it Spring
yet?**



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	fawn.l.dunbar@gmail.com
1 Year Director	Lyle Laylin	517-488-7908 lyle18@gmail.com
2 Year Director	Sally Hedin	517-281-0575 sallyhedin@yahoo.com
3 Year Director	Ruth Lehner	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
Show Vendor Co-Chair		
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>

Affiliated With

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

ROCKHOUND NEWS

NEXT MEETING: Thursday, Feb 17, 2022 @ 7:00 pm

PROGRAM: DVD Presentation.

Please wear a mask.

REFRESHMENTS: Bring your own snacks/beverage

Location and Time: The CMLMS membership meeting will be held on February 17, 2022 at 7:00 p.m., at the **Masonic Center, 2175 Hamilton Street, beautiful downtown Okemos.** We will have a board meeting at 5:00pm to discuss this years Show.

Calendar for Winter/Spring 2022

February 3, Board meeting, 6:00 p.m., Okemos Library

February 17, Membership meeting, 7:00 p.m. (Board meeting 5:00pm)

March 3, 2022 - Board meeting, 6:00 p.m., Okemos Library

March 17, 2022 - Membership meeting, 7:00 p.m., Silent Auction

April 7, Board meeting, 6:00 p.m

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

UPCOMING PROGRAMS

February 17, 2022 – We will have to reschedule our February speaker, and will show a DVD video instead.

March 17, 2022 – Silent Auction

April 21, 2022 – Steven Veatch- The Ultimate Guide to the Geology of the Pikes Peak Region, Colorado. (To be confirmed)

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 sets up the display at other rock shows- Jackson show/ Tulip City Show/ Kalamzoo Show.

Liaison Officer – handles correspondence with other clubs and organizations, keeps tabs on P.O. Box mailings.

-Interested folks can speak to President Nate Krupp (nathan.krupp1@gmail.com), other officers, or one of the long- term members for job descriptions and time commitment.

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.' - Roger Laylin.

CLUB NEWS

Field Trips!

Field Trip reminder for the weekend of May 21st, 2022 field trip to Fishermen's Island State Park. Petoskey hunting and beach combing. **Reservations ARE NOW OPEN** for those planning on camping for the weekend. Michigan State parks are very popular so make your reservations now if you are thinking about coming on this trip. You can always cancel your reservation further down the road, however please note that the DNR now charges a \$10 cancellation fee.

Cell phone **517-599-1882** or **cmenn@yahoo.com**. Please contact him if interested in getting emails as field trips are set up.

If you have been on any trips and would like to pass along field trip ideas or good locations, please email Carl so he can put together a list of future field trip spots- thanks

Demonstrators Wanted! If you have a Lapidary or other skill you would like to share with the club, the group would love for you to do a short demonstration during a club meeting. We have gotten a few requests for a "hands on" activity for a club meeting. This does not have to be some huge program. It can be as simple as someone bringing in samples of something, showing how they do something, talking about a specific mineral that they know about, or a program on their rock hounding experiences/ trips, a step by step/ how to, etc. Email Nate Krupp (nathan.krupp1@gmail.com) if you are interested.

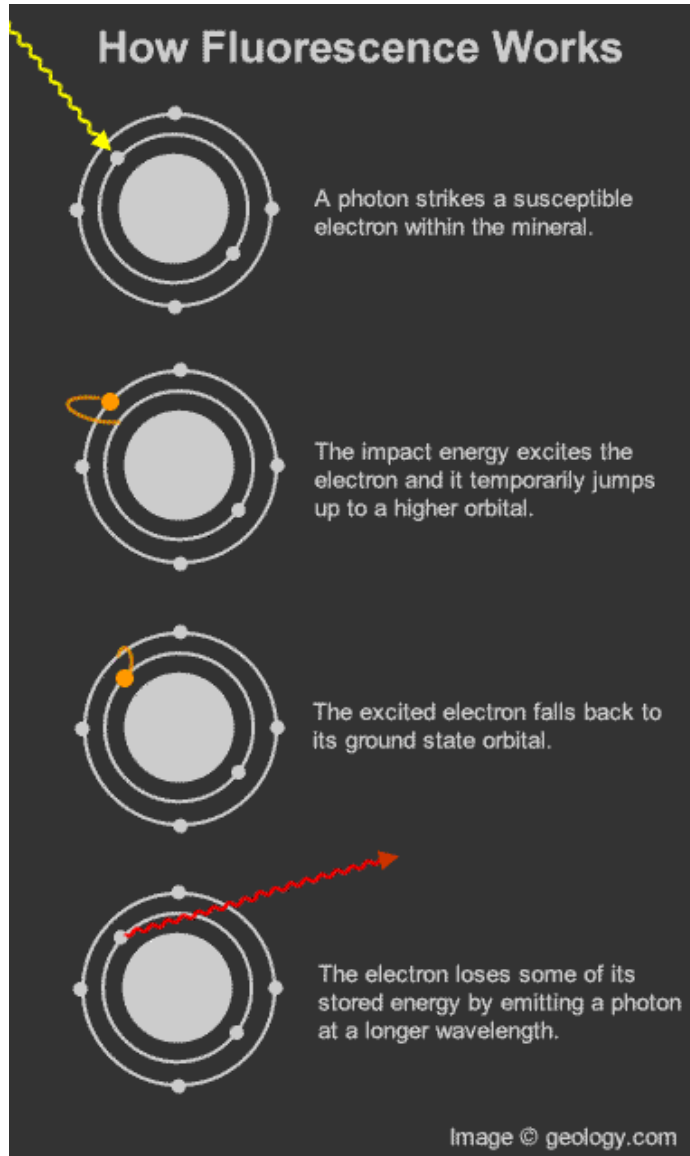
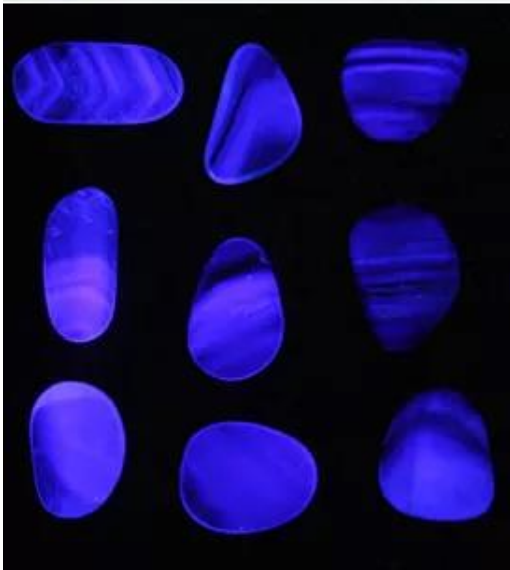
What is Fluorescence?

Fluorescence in Minerals

Fluorescence is the emission of light by a substance that has absorbed light or other electromagnetic radiation. It is a form of luminescence. In most cases, the emitted light has a longer wavelength, and therefore lower energy, than the absorbed radiation. The most striking example of fluorescence occurs when the absorbed radiation is in the ultraviolet region of the spectrum, and thus invisible to the human eye, while the emitted light is in the visible region, which gives the fluorescent substance a distinct color that can be seen only when exposed to UV light. Fluorescent materials cease to glow nearly immediately when the radiation source stops, unlike phosphorescent materials, which continue to emit light for some time after.

Fluorescence has many practical applications, including mineralogy, gemology, medicine, chemical sensors (fluorescence spectroscopy), fluorescent labeling, dyes, biological detectors, and radiation detection. Fluorescence also occurs frequently in nature in some minerals and in various biological forms in many branches of the animal kingdom (from wikipedia).

Fluorite...The original Fluorescent Mineral



One of the first people to observe fluorescence in minerals was George Gabriel Stokes in 1852. He noted the ability of [fluorite](#) to produce a blue glow when illuminated with invisible light "beyond the violet end of the spectrum." He called this phenomenon "fluorescence" after the mineral fluorite. The name has gained wide acceptance in mineralogy, gemology, biology, optics, commercial lighting, and many other fields. Many specimens of fluorite have a strong enough fluorescence that the observer can take them outside, hold them in sunlight, then move them into the shade and see a color change. Only a few minerals have this level of fluorescence. Fluorite typically glows a blue-violet color under shortwave and longwave light.

How Many Minerals Fluoresce in UV Light?

Most minerals do not have a noticeable fluorescence. Only about 15% of minerals have a fluorescence that is visible to people, and some specimens of those minerals will not fluoresce. Fluorescence usually occurs when specific impurities known as "activators" are present within the mineral. These activators are typically cations of metals such as: tungsten, molybdenum, lead, boron, titanium, manganese, uranium, and chromium. Rare earth elements such as europium, terbium, dysprosium, and yttrium are also known to contribute to the fluorescence phenomenon. Fluorescence can also be caused by crystal structural defects or organic impurities.

In addition to "activator" impurities, some impurities have a dampening effect on fluorescence. If iron or copper are present as impurities, they can reduce or eliminate fluorescence. Furthermore, if the activator mineral is present in large amounts, that can reduce the fluorescence effect.

UV Lamps for Viewing

Scientific-grade lamps are produced in a variety of different wavelengths. They will often produce UV light in different ranges for UV-A (LW), UV-B (MW), or UV-C (SW) radiation. Most minerals react strongest under UV-C lights and always wear eye & skin protection to not burn yourself! (geology.com)

The United States Crystal Growing Competition

I posted instructions on how to grow large crystals in a previous newsletter, but did you know there was a United States Crystal Growing Competition? I came across this as I was doing more research into crystal growing.

The United States Crystal Growing Competition is an important scientific outreach activity designed to provide K-12 grade students and teachers a fun, hands-on STEM experience as well as an exciting competition. Materials for crystal growth will be provided on a first come, first served basis. The objective is to grow the biggest and highest quality single crystal. Participants have a 5-week window to grow the largest Alum crystal they get from 100 grams of Alum dissolved in solution. The contest runs every year in October. We can let teachers and students know about the contest during our science nights, if we ever get those back, and show some examples of crystals- maybe even mix up some crystal growing solution at a meeting.

Find more information at: <https://www.uscrystalgrowingcompetition.org/>

UPCOMING SHOWS

Feb 27-28: LIVONIA, MI The Roamin Club Auction. Sat & Sun. Schoolcraft Community College, 18600 Haggerty Rd., Livonia.
Contact: Todd Gall, (248) 345-0676

March 18-20: Jackson, MI MGMS Annual Gem and Mineral Show. Fri. Mar 18 10am-7pm, Sat. Mar 19 10am-6pm, Sun. Mar 20 11am-5pm, Keeley Park, 200 W Ganson St, Jackson MI 49202

April 8-10: WYOMING, MI Indian Mounds Rock & Mineral Club Annual Show. Thurs./Fri 9:30-9; Sat 9:30-7. Rogers Plaza Town Center, 972 - 28th St. SW, Wyoming. Contact: Kreigh Tomaszewski, (616) 243-5851

May 1-2: SHARONSVILLE, OH Cincinnati Mineral Society Annual Show. Sharonville Convention Center, 11355 Chester Rd., Sharonville. Contact: Terry Huizing, (513) 574-7142; tchuizing@fuse.net

May 6-9: KALAMAZOO, MI Kalamazoo Geological & Mineral Society Annual Show. Kalamazoo Expo Center, 2900 Lake St., Kalamazoo. Contact: Wrifton Graham, (269) 615-7073; wrifton@greatlakesgeneralstore.com

May 15-16: NORTH OL MSTED, OH Parma Lapidary Club Annual Show. 11-5 each day. Soccer Sports Plex, 3515 Lorain Rd, North Olmsted. parmalapidaryclub@gmail.com;
www.parmalapidary.com

May 22: WATERFORD, MI Livingston County Gem & Mineral Rock Swap. 9-5 Christ Lutheran Church, 5987 Williams Rd., Waterford. [Flyer](#)

CMLMS MINUTES

CMLMS, Jan 6, 2022, Board Meeting

Board Members Present: Ernie Aughenbaugh, Sue Casler, Milt Gere, Theresa Hubbard, Nate Krupp, Lyle Laylin, Roger Laylin, Chuck Taricska, Fawn Dunbar

Board Members absent: Jessica Clark excused-knee problem, Robin and Steve Smith excused (working and sick), Carl and Faye Mennare (exposed, quarantining), Sally Hedin.

President: Nate Krupp called the meeting to order at 6:04 p.m. at the Okemos Public Library. Jake Chylbowski's email explaining his absence. MWF dues and insurance payments are due

Jan 15th. Robin hasn't responded from two weeks ago. Do other board members want the MWF newsletter in and email or a hard copy? Also notify MWF of our show and check the Ingham County Fairgrounds calendar. Reviewed the letter to the Ingham County Fair Board.

Vice-President: Steve Smith absent. Feb program? Demonstrator for this month -Roger could show how to make cabochons with help.

Treasurer: Nate moved to authorize Sue Casler access to the bank accounts. It was also moved by Sue C. to authorize Nate access to the bank accounts and remove Elaine Beane after 6 months, seconded by Fawn. Passed unanimously. Voted to give \$100 donation to the Okemos library for use of their conference room for our Board meetings. Need a kid count from Robin from the show for MWF membership and insurance payments. Board decided to not to get a paid background check nor bonding on our new Treasurer.

Recording Secretary: Jessica was absent, but need approval of the November membership meeting and December Board Meeting minutes.

Corresponding Secretary: Theresa Hubbard, no report. Will send a card to Jake Chylbowski.

Directors: Director 1 -Sally Hedin

Director 2 -Jessica Clark

Director 3 - Ruth Lehner, no reports

Roster Secretary: Vacant position.

Liaison Officer: Vacant position, no report

Past President: Sue Casler, thanks to Fawn Dunbar for volunteering to be Treasurer.

Membership: Robin Smith absent, no report

Field Trips: Carl Mennare (absent), Fisherman's Island in the spring, camp sites are available.

Education: Theresa Hubbard, everything canceled due to Covid-19.

Community Outreach: Everything canceled due to Covid-19.

Library: Jessica Clark, no report

Display: Vacant position, no report

Finance: Milt Gere, no report

Webmaster: Lyle Laylin, no report

Show: Roger Laylin, Nate: Budget traditionally submitted in February. Review and edit Nate's draft letter to Ingham Co. Fair Board. Need to recruit a vendor coordinator. Need to decide on a date. We received a letter from MDOT that they're open to flyers on our Show. Robin wants Show receipts all in before a wrap-up meeting. Could have it at the Okemos Library? Perhaps a combined wrap up/planning meeting.

Old business: no report

New Business: Roger has a box of scrapbooks from old club files. Two were brought to the meeting to show the Board. He'll bring them to a membership meeting.

Adjournment: Ruth made a motion to adjourn the meeting. The motion received a second by Milt and the meeting was adjourned at 7:43 p.m.

CMLMS, Jan 22, 2022 Membership Meeting

Call to Order: President Nate Krupp called the meeting to order at 7:04 p.m. at the Masonic Center in Okemos.

Welcome and Introduction of Guests/Visitors:

Cindy Devereaux and Marie Clark

President's announcements:

We had the Kalamazoo show's dates wrong in the newsletter. The show is April 29-May 1. Extra copies of our January newsletter and Tulip City's newsletters are available as hard copies if you are interested.

Treasurer's Report:

Fawn Dunbar is on the account now. She reported our balances. She also paid \$100 to the Okemos Library as our donation for Board meeting usage of their conference room. Our federal and state tax filings are up to date. Plus, Midwest dues and insurance are paid. In membership dues the club made \$547.50.

Field Trips:

Carl reported that on May 21, 2022 a Fisherman's Island State Park trip is planned. There is camping still available. They may make a side trip on Sunday to look for Leland blue slag. Roger mentioned a potential field trip to a gravel pit by Pewamo. It is a private pit that has had fossils in the past. We would have to check if this pit is still open.

Education & Outreach: Theresa was absent, no report

No school nights, everything is canceled due to COVID-19.

Officer and Chair Announcements:

Annual membership dues are now due to Robin Smith.

Milt Gere asked about our MSU Scholarship fund to the MSU geology students.

The MSU Advisors would like to know early this year if we plan to give scholarships. At the meeting we voted to issue two scholarships at \$2,500 each.

Roger mentioned that there are scrapbooks from the club at this meeting to look at. The scrapbooks mostly date back to the 1970s and 1980s but one is from 1958.

Show:

Robin was absent, no report

Nate mentioned that we are preparing a complaint letter to the Ingham County Fair Board

Make sure to get any show receipts in to Robin. Robin has an expense report form that you will need to fill out.

Door Prizes:

8 door prizes were available and distributed with a twist that you could steal an earlier distributed one.

Adjournment:

The meeting adjourned at 7:28 p.m. Fawn motioned to adjourn. Mr. Smith seconded.

Program: Roger's cabbage demonstration.

Respectfully Submitted, Jessica Clark, Recording Secretary.