

Rockhound News—March 2025

Official publication of the
Central Michigan Lapidary and Mineral Society

<https://www.facebook.com/MasonRockShow>

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; 6:00 p.m., Okemos Library

OFFICERS 2025

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Permanent Mailing Address

CMLMS

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

<https://www.facebook.com/MasonRockShow>

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, April 17, 2025 @ 7:00 pm

PROGRAM: Phosphorescent and Fluorescent Minerals

**REFRESHMENTS: Members with Initials A-L Please bring
a snack to share**

Location and Time: The CMLMS membership meeting will be held on April 17, 2025 at 7:00 p.m., at the **Masonic Center, 2175 Hamilton Street, beautiful downtown Okemos.**

Calendar for Spring 2025

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

April 17 Membership meeting, 7:00 p.m.

May 1- Board meeting, 6:00 p.m., Okemos Library

May 15 – Annual Spring Banquet!! **Tickets on sale NOW** - see info below

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

UPCOMING PROGRAMS

April 17- Fluorescent and Phosphorescent Minerals

May 15 – Annual Spring banquet

April 17 Meeting:

Fluorescent and Phosphorescent Minerals discussion

The topic for this Month's meeting will be Fluorescent and Phosphorescent Minerals! We will discuss the what makes a rock Phosphorescent and/or Fluorescent, and what are some common minerals that show these characteristics. Many club members have been collecting various glowing rocks and this meeting will be a great time to show off any cool rocks you have that are either Fluorescent or Phosphorescent. If you have a UV flashlight, please bring it so we can show off the different colored minerals. Also it will be fun to see all the different types of UV lights club members have bought over the years and maybe we can determine which ones are the best for hunting these special rocks and minerals.

Please bring any Fluorescent and Phosphorescent minerals and UV Flashlights to show off!!!

Fluorescent minerals glow brightly while exposed to UV light and stop glowing immediately when the light source is removed. In contrast, phosphorescent minerals continue to glow for a period of time after the light source is turned off, with the glow gradually fading. This afterglow is due to electrons becoming temporarily trapped in a higher energy state and releasing energy as light when they return to their ground state.

Here's a more detailed explanation:

- **Fluorescence:**

Fluorescent minerals absorb UV light, which excites electrons in their crystal structure. When these electrons return to their normal energy levels, they release the absorbed energy as visible light, causing the mineral to glow. The glow stops instantly when the UV light is turned off because the excited electrons quickly return to their ground state.

- **Phosphorescence:**

Phosphorescent minerals also absorb UV light, but some of the absorbed energy is temporarily trapped in higher energy levels. When the light source is turned off, the trapped electrons gradually release energy as light, creating an afterglow that fades over time. This delayed emission is due to the electrons being trapped in a metastable state for a longer duration than in fluorescence.

Key differences:

- **Afterglow:**

Fluorescent minerals don't exhibit afterglow, while phosphorescent minerals do.

- **Timeframe of glow:**

Fluorescence is immediate and stops instantly, while phosphorescence has a delayed start and a gradual fade-out.

- **Mechanism:**

Fluorescence involves a quick return of electrons to their ground state, while phosphorescence involves trapped electrons releasing energy over time.

WELCOME NEW MEMBERS:

Emily Francisco

Alex Francisco

CLUB NEWS:

ANNUAL BANQUET:

Please mark your calendars for our annual banquet on May 15, 2025, tickets will be available at the April club meeting and May Board Meeting. Members are encouraged to bring guests.

Tickets are \$15 for adults, \$10 children 12yrs and younger. The Banquet will take the place of our May meeting.

Dinner includes: Roasted Chicken and Roast Pork, tossed salad, Mashed Potatoes, green beans, bread/butter and drinks, along with fruit pie for dessert.

Speaker to be announced shortly.

Please plan on joining us for this delightful chicken dinner and help keep the banquet tradition going.

Tickets can be purchased at the upcoming meetings or **Contact Dan Sine**
at
517-749-0414 (phone)
517-763-2954 (FAX) or email @
dantheman225500@gmail.com to reserve tickets.

Members: you can now place a small “classified ad” in the Newsletter:

Members are now able to post things they want to sell. This would be a classified ad, with contact info and short one/two word description.

EXAMPLE:

Name: Robin Smith

Contact: Text only xxx-xxx-xxxx (or Facebook DM/email/call etc.)

Description: Shiny Rocks

(Disclaimer: This free listing is a benefit for Central Michigan Lapidary and Mineral Society members. CMLMS is not responsible or liable for this listing or transactions resulting from this listing.

All responsibility is between the Seller and the Buyer.)

Please email The Newsletter @ chuck_taricska@yahoo.com If you have something you would like to post in the Newsletter.

NEW FOR OCTOBER 17, 18, 19, 2025 SHOW!!!

This year we would like to WELCOME "Snappy's Kitchen". The Veteran Owned Food Truck will be on site during the show! ADDITIONALLY we will have VETERANS FREE ON FRIDAY and NEW 3-Day Adult Admission for \$12.00 and a CLUB BOUTIQUE!

YOUR HELP IS NEEDED!

Our Show is growing and we are in need for items to be donated for the October Show. Small Petoskey Stones for the Petoskey Polishing, Paper products and plastic ware for the Kitchen, items for the Adult Hourly Door Prize and the BOUTIQUE!

Thank you, Robin

UPCOMING SHOWS

May 2-4, Kalamazoo, MI Kalamazoo Rock, Gem, Fossil and Mineral Show; Fri. 2-8pm, Sat 10 a.m. - 6p.m., Sun 10 - 5 p.m. Kalamazoo County Expo Center, 2900 Lake Street, Kalamazoo, MI. <https://www.kalamazoorockclub.org/event-information>

CMLMS Minutes:

None available for publication