

# The Living Stones

Page 1

Livingston Gem and Mineral Society

October 2018

*Hosting the 2020 Midwest Federation Convention*

## President Sherlynn's Message

The 45<sup>th</sup> Annual ROCKHOUND'S DREAM SHOW was – by every measure – a resounding success! Thank you to everyone who helped. Details from each area are included in the Minutes from the September General Meeting on page 2 of this newsletter. Thank you to everyone who donated their time and talent to putting on the best show ever!

FOR 2019: We could definitely use some help moving heavy tables, boxes and supplies for the show on Friday afternoon and Sunday evening. If you know of a high school group looking to do volunteer work or willing to work for a donation, please put them in touch with the Show Chairman, Ed Oller.

Up Next for the Club:

October General Membership Meeting – Tuesday, October 16<sup>th</sup>, 6 pm in the Hartland Senior Center.

This meeting is a fun banquet where we celebrate the successes of our Rockhound's Dream Show. Details inside.

November General Membership Meeting – Tuesday, November 20<sup>th</sup>, 6 pm in the LGMS Shop  
ELECTION OF OFFICERS. In this newsletter you will find the names of

individuals who have stepped up to run for office in our club.

Noticeably, no one is listed as a candidate for President. I have fulfilled my two year commitment as President, and look forward to stepping into my new role on the Board as Past President. If you are interested in leading this wonderful club, please feel free to ask me about it. I will be happy to share my insight with you.

Again, thank you to everyone in the club for all you do. Welcome to the new members. Your enthusiasm and energy help keep things fresh!

Sherlynn Everly,  
President

## Workshop Hours

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



## General Membership Meeting Minutes for September 18, 2018

1. Call to order: Meeting was called to order at 6:03 pm by President Sherlynn Everly with 38 members present.
2. Volunteers Needed: We need to plan and organize LGMS club banquet that is on Tuesday, October 16<sup>th</sup> at 6 pm. Sharon Krautheim volunteered to organize the banquet. We needed volunteers to contact raffle winners from the LGMS show. About 40 people need to be called. Anna Perniccano wrote down names and phone numbers. The winners' names were read at the meeting in case any member knew the winners and could contact them. Anna volunteered to help call winners.
3. December Christmas Party: Sherlynn will be out of town the third Tuesday in December and suggested that the banquet be moved up one week to December 11. A vote was taken and approved to move the Christmas Party to December 11.
4. Treasurers report: Club was in good financial status prior to the show.
5. Club Officer Nominations: George Perniccano is in charge of nominations. President: no one has been nominated, Sherlynn Everly will be stepping down. Vice President: Cinda Dawson has been nominated; Secretary: Lori Irvin was nominated; Treasurer: Sheila York to continue. Bill McGee and Lavonne Foldenauer will be 2<sup>nd</sup> year directors. 1<sup>st</sup> years directors nominated were Jim Parker and John Bergren. Names will be posted in October and November newsletters and election of board members will be at the November meeting. New officers take positions at the December meeting.
6. Midwest Federation Convention is Oct. 6 & 7 in Springfield, Illinois. Ed Oller has volunteered to go and represent our club. Lori Keefer made the motion and Jill Allen seconded the motion to give a \$300 stipend to Ed to help offset expenses. This is the amount given in past years. Motion was carried.
7. Update on Rock of the Month Club: September's rock of the month was Jasper. 13 members enjoyed the presentation. October's Rock of the month will be Fluorescent Rocks, meeting on Oct. 10.

8. Rockhound's Dream Show Reports: show chairman Ed Oller: most dealers ever with 15. Publicity: Sherlynn Everly: 500 post cards made, recommend double next year. 10 yard signs were put out. Show was advertised in community paper and members shared on Facebook and Craig's list. Displays were set up in several community libraries. Next year we would like to get postcards in state travel centers and put signs near Hartland football field. Club Table: Bryant Hiiter: shattered records for selling rocks. Had to go back to storage unit on Sat. to get more rocks to sell. Silent Auction: Ann Marie McFadden – had a lot of donations. We had buy-it-now items for the first time. Final figures are not in but made over \$4,000 which is more than last year. Children's table: Isla Mitchell great volunteers. Bill Magee's fossil rocks were a huge success and sold out on Saturday. Kid's Mining table: Steve Calkins reported good participation with 51 kids. Admission: Jill Allen. We topped 500 again but more help is needed at the admission table next year to get accurate stats. Bottom Line: Sheila York stated final figures are still being tallied but it looks like we made more money on the show than last year. It was a very successful show. New member signup: Bill Magee reported we had 29 new members signup.
9. Comments on the show: Thank you given out to Venus Sage for the food, Mike McDivitt for being night watchman and to all members who did demonstrations during the show and especially Zac Palmieri for being in charge of setup and take down. We need more fresh people to help with take down next year.
10. Donation: Gayland Allen and Margaret Edmundson donated to the club a piece of float copper from Isle Royal.
11. Meeting was adjourned at 7:10.

Respectfully submitted,  
Lori Keefer, secretary LGMS



## 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 and Membership:  
     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 3<sup>rd</sup> Tuesday at 6 pm (Except in January  
 and February when board meetings are held in  
 the shop.)



“LGMS Rocks for Members Only”  
 group page

### 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.*

## Nominations for 2019 Officers

President: open  
 Vice President: Cinda Dawson  
 Secretary: Lori Irvin  
 Treasurer: Sheila York (incumbent)  
 Second year directors:  
     Bill Magee  
     Lavonne Foldenauer  
 First year directors:  
     Jim Parker  
     John Bergren

## The LGMS Annual Banquet!

October 16, 2018, 6 pm  
 Hartland Senior Center  
 \$14.00 per person  
 Make your reservation at the shop  
 before October 12.  
 Celebrate our successful show!  
 Join us for food and fellowship!

Thank you for arranging this, Sharon Krautheim!

## Rock of the Month Club

Wednesday, October 10, 2018, 2 pm  
 (second Wednesday of the month)

Jim Hansen and Bryant Hiiter will lead the  
 discussion on **Fluorescent Rocks**

Come to learn and share your specimens!



## Fluorescent Minerals

<https://geology.com/articles/fluorescent-minerals>, article by Hobart M. King, PhD, RPG

**What is a fluorescent mineral?** All minerals have the ability to reflect light. That is what makes them visible to the human eye. Some minerals have an interesting physical property known as “fluorescence.” These minerals have the ability to temporarily absorb a small amount of light and an instant later release a small amount of light of a different wavelength. This change in wavelength causes a temporary color change of the mineral in the eye of a human observer.

The color change of fluorescent minerals is most spectacular when they are illuminated in darkness by ultraviolet light (which is not visible to humans) and they release visible light.

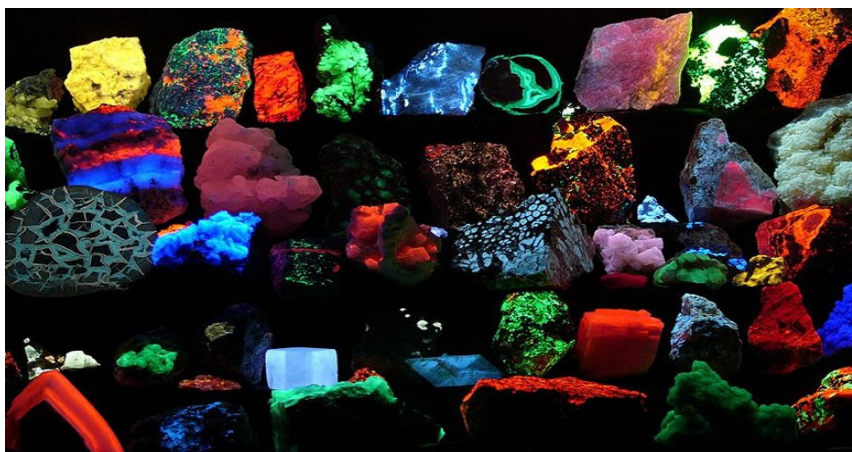
**Fluorescence in more detail** Fluorescence in minerals occurs when a specimen is illuminated with specific wavelengths of light. Ultraviolet (UV) light, x-rays, and cathode rays are the typical types of light that trigger fluorescence. These types of light have the ability to excite susceptible electrons within the atomic structure of the mineral. These excited electrons temporarily jump up to a higher orbital within the mineral's atomic structure. When those electrons fall back down to their original orbital, a small amount of energy is released in the form of light. This release of light is known as fluorescence.

The wavelength of light released from a fluorescent mineral is often distinctly different from the wavelength of the incident light. This produces a visible change in the color of the mineral. This “glow” continues as long as the mineral is illuminated with light of the proper wavelength.

**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.

Most minerals fluoresce a single color. Other minerals have multiple colors of fluorescence. Calcite has been known to fluoresce red, blue, white, pink, green, and orange. Some minerals are known to exhibit multiple colors of fluorescence in a single specimen. These can be banded minerals that exhibit several stages of growth from parent solutions with changing compositions. Many minerals fluoresce one color under shortwave UV light and another color under longwave UV light.





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## Upcoming Events

**October 12-14, 2018**

**Michigan Mineralogical Society Annual Show**

Macomb Sports & Expo Center, 14500 E. 12 Mile Rd., Warren.

Contact: John Peters, (313) 255-7774; [joopett13@hotmail.com](mailto:joopett13@hotmail.com)

**October 19-21, 2018**

**Central Michigan Lapidary & Mineral Society Annual Show**

Main Arena Ingham County Fairgrounds, 700 Ash St., Mason

Contact: Roger Laylin; (517) 349-2349; [l.r.laylin@gmail.com](mailto:l.r.laylin@gmail.com)

**October 20-21, 2018**

**Flint Rock & Gem Club Annual Show**

Carter Middle School, Rogers Lodge Dr., Clio

Contact: Bill Wendling, 9145 Johnston Rd., New Lothrop 48460; (810) 638-5796;  
[bwrockbarn@centurytel.net](mailto:bwrockbarn@centurytel.net)



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## 2019 Dues are payable NOW

Tear off and mail to Sheila York, Treasurer, LGMS, 9525 E. Highland Rd, Howell, MI 48843  
2019 Livingston Gem and Mineral Society Dues

Name \_\_\_\_\_

Please note any changes in address, email address or phone number \_\_\_\_\_

Adult membership(s) \_\_\_\_\_ x \$50.00 = \_\_\_\_\_

Youth membership(s) (ages 13-17) \_\_\_\_\_ x \$25.00 = \_\_\_\_\_

Total Payment \_\_\_\_\_

Newsletter preference: \_\_\_\_\_ snail mail, \_\_\_\_\_ email, \_\_\_\_\_ shop folder

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



### **Annual LGMS Banquet**

*on Tuesday, October 16, 2018*

*6 pm at the Senior Center, HSSC Building*

*make your reservation by October 12*

*at the shop*

*\$14.00 per person*

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.