

The Living Stones

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Livingston Gem and Mineral Society

September 2023

President's Message

"By all these lovely tokens, September days are here. With summer's best of weather and autumn's best of cheer." — Helen Hunt Jackson

Hello Members!

We are still in need of lapidary donations for our fall show silent auction & raffle. Please do not wait till the last minute!

Starting Sept 8. in the shop, photos of the items will be posted and container will be available to place your SUPER silent auction bid. Please use the supplied slips to provide your maximum bid and contact info for items you choose. Artists or other high-end donors: in order to have your piece considered for this super silent auction, please get your high-end auction items into the shop by Thursday, Sept. 7.

We still have 4+ display cases available for members use to display some of their works of art or collections at the show. Check in the shop for the size of case and put your name on one.

Members! It's very important, especially this year as we are hosting the MWF, that every member be present at the show. We are still in need of volunteers.

**** Rockhound's Dream show reminders...all members are encouraged to volunteer! Plenty of opportunities for all manner of abilities! We need your time to make this show a success! Our club depends on this income!**

-Are you a great people person? – consider the admission table / raffle sales/membership table!

-Strong, stealthy, silent type? – consider a security position!

-A follow-the-leader type? Lots of helpers needed to set up!

-At home in the kitchen? – Try Hospitality, setting up food/snacks for the vendors!

-Great with the younguns? – Always welcome at the kids' table & kids' hands on Science table.

Something for everyone! Check out the SignUpGenius site. Earn \$10 LGMS Bucks for every 4 hours volunteering! (To be used at the club table only)

**Pre-Sale Passes (\$10 each, limited quantity) are now available for purchase. A private time has been set aside for the members who have pre-purchased the passes to have a sneak preview & purchase of new club table items! Friday, September 15, 2023/ 4:00 pm-5:30 pm. Please seek out a board member, if interested in purchasing. Sale ends at 9:00 pm, Thursday, September 14.

**All members are invited to the meet & greet with the MWF delegates. Friday, September 15th-6:00 to 7:30! Enjoy some hors d'oeuvres and light refreshments as we visit in the shop.

T-Shirts are in! They are purple & fabulous! Thank you Marianna Z for organizing this! You may purchase the shirts S-2X- \$15 and 3X-4X - \$18.

LGMS Members may attend the MWF Awards Banquet taking place Saturday, Sept. 16, 6-11pm. Admission is \$40 per person, inc. dinner & dessert. Cash bar. Located at Block Brewery, 1140 S. Michigan, Howell, MI 48843. Limited seating available. Please inquire with Cari Jacob.

--Notice to members: some lapidary machines such as trims saws and tumblers will be sold at the show. First come, first served!

(President's Message cont.)

Special pre-show dinner & General Member meeting for September– Tuesday, 12th @ the shop 6-8 pm (a short Fall show planning meeting 4:30-5:30 pm at the shop/machines turned off at 4:30 and shop closed at 5:30) Bring your appetites! Bring a dish to pass if you want to.

Rock of the Month will be “on vacation” until October 4, room #33, 1-2:30 with guest hostess Autumn Kennedy. Topic will be posted in September's newsletter.

***Dues for 2024 LGMS membership are \$65 (due December 31, 2023)** with \$1 daily shop fee. **Remember;** please add the \$5 locked drawer fee and the drawer #, if you are using one. (One drawer per person) Some locked drawers are now available. You can mail your dues to: Linda Sheedy, 1582 Forest Bay Ct., Wixom, MI 48393.

September shop hours - Tuesday thru Friday. Tues/Wed 9 am-9 pm, Thurs 9 am-9 pm (silversmiths only), and Friday 10 am-4 pm. (If there are not 2 members in the shop on Fridays, the closer may choose to leave earlier than 4:00. Be aware)

Please note the times/dates for ALL this year's Club meetings are posted in this newsletter. Please attend and support your club, so your voice may be heard! Remember, the shop will be closed at 5:30 pm on general membership meeting days. Machines will shut down at 4:30 if Fall show meeting is held in the shop.

Please stay well, my fellow members! You are all treasures! Contact info: caricatures@comcast.net or cell phone 248-931-5999.

Sincerely yours,

Cari Jacob



Reminder

No open-toed shoes,
flip flops or sandals
are permitted in the shop!

2023 Officers and Chairpersons

President: Cari Jacob 248-931-5999
Vice President: Cinda Dawson 810-423-0464
Secretary:
Treasurer: Linda Sheedy 248-425-9686
Shop Chair: Bill Magee 734-981-6117
Second year Directors:
 Janelle Gustafsen 248-420-1741
 Jim Johnson 810-923-6113
First year Directors:
 Lori Irvin 810-820-0494
 Sandra Wrestler 248-875-5921
Newsletter: Isla Mitchell, 248-685-7804,
 imvm.1@netzero.com
Membership: Lori Irvin 810-820-0494
Historian: Chuck Amberger, 248-787-6586
Library: Bryant Hiiter, 248-210-6138
Webmaster: John Myer, www.livingstongems
 Email: LGMSMich@gmail.com
 show website: lgmsrockshow.com
 Instagram: livingstongems
 General Membership Meetings are held monthly on the 3rd Tuesday at 6 pm. (Except in January and February when only board meetings are held.)

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For Sale

These photos are examples of the types of equipment that will be for sale at our show.



LGMS General Meeting

August 15, 2023, 6:00 pm at the shop

Call to Order – 6:01pm

Roll Call: a total of 25 Members including board members. Quorum: NO (4). Linda Sheedy motioned & AnnMarie McFadden 2nd to approve last month's minutes.

President Report – Cari Jacob

T-Shirts are ordered, Heather Purple in sizes small-XL (\$15) 2X-5X (\$18). They will be available in the shop after 8/22 for purchase. Cash or check. Heather Green shirts will be available for purchase at the show. Please wear a LGMS shirt of any color when volunteering at the show! Thanks Marianna Zeigler for taking care of this!

Vice President Report – Cinda Dawson

There are **240 paid members** and 9 additional members were trained this month. We will freezing new membership until after our show.

Treasurer Report – Linda Sheedy

We currently in good standing with extra expenses due to our increased advertising budget for our show.

Shop Keeper – Bill Magee (not present)

- a. New member Natasha Graham changed out the oil in the auto saw with guidance from Ed Oller. Way to go! Natasha!
- b. Nancy Bartel and Jim Johnson tackled cleaning out the big saw, even changing out the oil filter buckets! Very messy job! And thank you to Jim Hansen who will walk the old muck quietly thru the school to dispose of it properly.

Silversmith Report – Lavonne Foldenauer – no report at this time.

Rockhound's Dream Show Status Report

- a. \$10 Pre Sale passes for a private preview sale (4-5:30) at the club table only, September 15 Friday night before show are on sale until Thursday, Sept. 14. To purchase please see Cari Jacob, Cinda Dawson, or Linda Sheedy.
- b. There are at the present-14 MWF delegates registered to come.
- c. MJR video clip advertising our show is up and running. MJR Brighton-all shows-for 6 weeks! Hooray advertising team!
- d. Outdoor Show Flags were ordered (under budget)-12 ft, both sides printed, different colors, stakes and storage bags included. The flags were approved by school. Thank you Lori Irvin and Susan Fisher!
- e. **Geode Cache** – Sandy Wrestler is keeping track of those found online. Cinda Dawson reports that there only 2 left to be found. Extra clues have been provided. So exciting to find treasure!
- f. MWF will have a booth for Saturday for MWF-related items and a Sunday silent Auction.

Delegates will more than likely wear their own identifying lanyards/name tags.

- g. LGMS Members may attend the MWF Awards Banquet taking place Saturday, Sept. 16, 6-11pm. Admission is \$40 per person (inc. dinner & dessert). Cash bar. Located at Block Brewery, 1140 S. Michigan, Howell, MI 48843. Limited seating available. Please inquire with Cari Jacob.

- h. Cari Jacob and AnnMarie McFadden explained how the Super Silent Auction was going to work. This special auction will be in addition to the normal hourly and all-day auctions taking place. This auction ensures a profit for the club that is more equal to the actual value of the high-end donation.

1. Silent auction team will choose 6 donated items (of any type) that have a high-end value. 3 items on Saturday and 3 items on Sunday.
2. Saturday's items will have their maximum bid price (pre bid from the container in the shop) placed on the bid sheet at 4 pm. which will allow the public 1 hour to outbid that price. Winners notified at 5 pm. Saturday.
3. Sunday's items maximum bids price (pre bid from the container in the shop) will be placed on sheet by 2 pm, allowing the public 1 hour to outbid and winners notified by 3 pm.
4. Those items will be photographed and have a designated number.
5. Starting Sept 8 in the shop, photos of the items will be posted and container will be available to place your silent auction bid. Please use the supplied slips to provide your maximum bid/and contact info for items you choose.
6. In order to be considered for this super silent auction, please get your high-end auction items into the shop by Thursday, September 7.

- i. Cinda Dawson reports that there were 9 cases available for members to use for displaying their personal collections at the show. Add a sticker with your name on it to the case of your choice. This is a great addition to our show, where members can showcase their lapidary passions. Members may fill these when the cases are taken down on the Friday before the show. AnnMarie, Cinda, Mel and Lavonne have each chosen a case.

(minutes cont.)

- j.** Cinda Dawson reports that SignUpGenius is up and running with volunteer time slots for the show. There are a total 182 time slots for a variety of help needed. Only 30 members have signed up so far.
- k.** We need more signage near the demonstrators so the public is aware of the specialty being demonstrated.
- l.** Need more help/lapidary items for the Novi Library display cases. Contact Lori Irvin.
- m.** On Friday, setup day, the gym has a class going on until 11:30, custodians will put down tarps 11:30-12:30-then we can get into tape at 1:00 or slightly sooner. Tables should be there 1-1:15.
- n.** Our Club Table **NEEDS** to be set up by 4 pm for the pre sale.
- o.** All members are invited to the meet & greet at the shop with the delegates 6-7:30 on Friday, Sept 15. Snacks provided.
- p.** Kids grab bags & delegate swag bag stuffing will happen Thursday, Sept. 24 10:30 am till done.
- q.** Channel 12 interview is tabled until more information is obtained.

Old Business - NA

New Business – Cinda Dawson had an inquiry from a member regarding an author desiring to have a table setup to sell his Michigan rock related book or we could purchase his book from the publisher and sell for a profit at our club table. Board will make a decision.

Adjournment 6:54 pm Motion to end meeting made by Cinda Dawson, 2nd by Nancy Bartel to adjourn. Motion passed.

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#### **Come to the meeting, Dinner/dessert provided!**

**Next (short) Fall Show meeting,**  
**2<sup>nd</sup> Tuesday, 09/12/23, 4:30 @ the shop!**  
**GENERAL Meeting same day,**  
**09/12/23 6-8 pm @ the shop.**

**Tuesday BEFORE OUR SHOW!!!**

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Respectfully submitted by: Lori Irvin, Guest Secretary
 C Jacob, Content Review

What are Volunteers?

Volunteers are like Ford
 They have better ideas.
 Volunteers are like Coke
 They're the real thing.
 Volunteers are like Pan Am
 They make the going great.
 Volunteers are like Dial Soap
 They care more,
 don't you wish everybody did?
 Volunteers are like VO-5 Hair Spray.
 They hold up
 in all kinds of weather.
 Volunteers are like Hallmark Cards
 they care enough to give
 the very best.
 Volunteers are like Standard Oil
 You expect more and you get it.
 BUT MOST OF ALL
 Volunteers are like Frosted Flakes
 THEY'RE GRRREEEEAAATTT !!

Author unknown, via Hourglass News 1993
 and A.F.M.S. Newsletter, vol. 76, number 6.

Upcoming Events

September 8-10, 2023

Toledo Gem and Rockhound Club

Pratt Pavilion, County Fairgrounds, 13800 W. Poe, Bowling Green, Ohio, Info: Jerri Heer, jheerx6@gmail.com

September 9-10, 2023

Grand Marais Rock and Mineral Show

Burt Township Community Center, E21738 Brazel St., Grand Marais, MI 49839

September 16 and 17, 2023

Our Own LGMS Rockhound's Dream Show

How will you contribute? Sign up to volunteer your time at the show

September 15 - 17, 2023

Tulip City Gem and Mineral Club

Soccer Stop Sportsplex, 5 River Hills Dr., Holland, MI, Info: mickieannbennett@gmail.com

September 23-24, 2023

Grand Traverse Area Rock and Mineral Club Annual Show

Cherryland VFW Post, 3400 Veterans Dr., Traverse City, MI 49684

September 30 – October 1, 2023

Flint Rock and Gem Club's Annual Show

Crossroads Village, 6140 North Bray Road, Flint, MI, Info: Bill W. 810-638-5796

October 7-8, 2023

Midwest Mineralogical & Lapidary Society Rock Swap

Wayne County Fairgrounds, 10871 Quirk Rd, Belleville, MI; Info: wbarr@umich.edu, www.mmls.us

October 13- 15, 2023

Michigan Mineralogical Society Annual Show

Macomb Community College Sports and Expo Center, 14500 Twelve Mile Rd, Warren, MI

Info: John Peters 313-255-7774, joopett13@hotmail.com, www.michmin.org/show-info

October 20-22, 2023

Central Michigan Lapidary and Mineral Society

County Fair Grounds, 700 Ash St., Mason, MI; Info: Robin Smith 517-290-4891



2023 LGMS BOARD AND GENERAL MEMBERSHIP MEETING DATES

Please be aware that during membership meetings the shop will be totally shut down at 5:45 pm.

Month	2023 date	Time	Meeting type	Location	
September	9/12	6 pm	General Membership (before fall show)	LGMS shop	Shop shut down at 5:45
October	10/17	6 pm	General Membership	LGMS shop	Shop shut down at 5:45
November	11/21	6 pm	General Membership	LGMS shop	Shop shut down at 5:45
December	12/12 or 12/13	6 pm	Membership mtg /Holiday Party	Senior Center	Shop shut down at 5:45

Magnetite and Lodestone

The primary ore of iron, a mineral used in heavy media separation, and a recorder of Earth magnetism

Article by: Hobart M. King, PhD, RPG, (geology.com)

Magnetite is a very common iron oxide (Fe_3O_4) mineral that is found in igneous, metamorphic, and sedimentary rocks. It is the most commonly mined ore of iron. It is also the mineral with the highest iron content (72.4%). Magnetite is very easy to identify. It is one of just a few minerals that are attracted to a common magnet. It is a black, opaque, submetallic to metallic mineral with a Mohs hardness between 5 and 6.5. It is often found in the form of isometric crystals. It is the most strongly magnetic mineral found in nature. Pyrrhotite is the second most common magnetic mineral. It can easily be identified by its magnetic properties, lower hardness, and bronze color.

Normal magnetite is attracted to a magnet, but some specimens are automagnetized and have the ability to attract small pieces of iron, small pieces of magnetite, and other magnetic objects. This form of magnetite, known as "lodestone," was man's first encounter with the property of magnetism. Lodestone is easily identified because it is usually covered with small particles of magnetite and other magnetic minerals. Pieces of lodestone suspended on a string served as the first magnetic compasses and were used in China as early as 300 BC. When freely suspended on a string, a small piece of lodestone will align itself with Earth's magnetic field.

Most of the iron ore mined today is a banded sedimentary rock known as taconite that contains a mixture of magnetite, hematite and chert. Once considered a waste material, taconite became an important ore after higher grade deposits were depleted. Today's commercial taconites contain 25 to 30% iron by weight. At the mine site, the taconite ore is ground to a fine powder, and strong magnets are used to separate magnetically susceptible particles containing magnetite and hematite from the chert. The concentrate is then mixed with small amounts of limestone and clay, then rolled into small round pellets. These pellets are easy to handle and transport by ship, rail, or truck. They can be directly loaded into a blast furnace at a mill and be used to produce iron or steel.

Powdered magnetite is often mixed with a liquid to produce a thick, high-density slurry that is used for specific gravity separations. Much of the high-sulfur coal that is mined in the eastern United States is floated across a slurry of magnetite. Clean coal particles have a low specific gravity and float on the slurry. Particles contaminated with pyrite (a sulfide mineral with a high specific gravity) sink into the high-density slurry. The abrasive known as "emery" is a natural mixture of magnetite and corundum. Some synthetic emery is produced by mixing magnetite with aluminum oxide particles. The production of synthetic emery gives the manufacturer control over the particle size and the relative abundance of aluminum oxide and magnetite in the product. Some finely ground magnetite is also used as an abrasive in waterjet cutting. In the past few decades, synthetic abrasives have filled many of the applications where magnetite was previously used. Small amounts of magnetite are also used as a toner in electrophotography, as a micronutrient in fertilizers, as a pigment in paints, and as an aggregate in high-density concrete.

Tiny crystals of magnetite are present in many rocks. In the crystallization of an igneous rock, tiny crystals of magnetite form in the melt, and because they are magnetic, they orient themselves with the direction and polarity of Earth's magnetic field. This preserves the orientation of Earth's magnetic field within the rock at the moment of crystallization.

Today, geologists can study the magnetic properties of rocks of various age and reconstruct the history of change in Earth's magnetic field. This information is available for multiple locations on multiple continents. It can also be used to learn about plate tectonics and the movement of continents over time.

A similar orientation of tiny magnetite grains occurs in the settling of sediment particles, locking clues to Earth's magnetic history into some sedimentary rocks.



The Livingston Gem and Mineral Society
48th Annual

ROCKHOUND'S DREAM SHOW

Sat. Sept 16 & Sun. Sept 17, 2023

Sat. 10-6 Sun. 10-4

Hosting the 82nd. Convention
of the Midwest Federation
of Mineralogical &
Geological Societies!



**ROCKS-FOSSILS
-CRYSTALS-
UNIQUE JEWELRY**

GEM AND MINERAL DEALERS



**LAPIDARY DISPLAYS
FLUORESCENT ROCKS
WIRE WRAPPING
SILVERSMITHING**

Hartland Educational Support Service Center (Old Hartland High School)
9525 E. Highland Road, Howell, Michigan 48843

Admission: adults \$5.00, 12-18 years \$1.00, under 12 years free



Concessions Available

More Information: Ed Oller (810) 241-8801 or Lori Irvin (810) 820-0494

lgmsrockshow.com



Livingston Gem and Mineral Society

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



Come to the meeting!!

Tuesday, September 12, 2023

at the shop

Dinner/dessert provided! (bring food to share, if you like)

MWF Dream Show Meeting (short) 4:30 pm

General Membership Meeting 6-8 pm

Livingston Gem and Mineral Society was established in 1970. The annual membership fee is \$65.00 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.

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.