

The Living Stones

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Livingston Gem and Mineral Society

May 2022

President's Message

**I've got sunshine on a cloudy day / when
it's cold outside I've got the month of May.**

-William "Smokey" Robinson

Spring cleaning....moving along! It's out with the old, broken/un-used and creating a more organized space in the shop where all members can find what they need.

Locker Cleanup: Phase 1 - New locks on all drawers with open holes. **Completed.**

Phase 2 - Lockers with old members' names on them from years past, emptied and locks replaced. **Completed.**

Phase 3 - Replacing locks on drawers with no keys or missing keys. Items in the drawers will remain under new lock & key until members makes decisions regarding yearly fee or removing their items. April 1st was the deadline. **Completed.**

Phase 4 - All attempts at notifying or contacting old members have been made. Unclaimed lockers are being categorized for club silent auction and for sale at shows. **In progress -The first silent auction from locked drawers will take place, Tuesday, May 17 from 4:00 pm - 5:30 (before general meeting).**

POP-UP Show in Waterford will happen on Saturday, May 21, 2022 at Christ Lutheran Church. Rockhound Dream Show September 17-18, 2022 is being planned to be inside the school! We will need ALL hands on deck to make the most of these two opportunities for our club.

Members Jim Hansen and Jim Johnson have organized another FUN trip to Rockport State Recreation Area, Saturday, June 4, 2022. Should be an interesting and informative trip with the

"Jims"! Look for more information soon, on Facebook and in the shop.

Our club is looking into replacing the 10" auto feed saw very soon. The old saw needs a new brass part for the auto feed that cannot be replaced. It can be made but problems with brass will happen again in the future. The other option is to purchase new unit, which the general membership approved with a budget not to exceed \$2,500. Ed Oller and Bill Magee have been researching price options.

*Dues for 2022 LGMS membership are \$65 with \$1 daily shop fee. They are considered late now. If you haven't paid, please add the \$5 locked drawer fee and the drawer #, if you are using one. (One drawer per person) Remember to get your newly designed t-shirts for yourself and family and club decals for your car! T-shirts and decals can be purchased at the shop. (\$15-\$18 t-shirts) (Decals \$8)

General Membership meeting Tuesday, May 17 at the LGMS shop @ 6:00 pm. 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 5:45 pm on general membership meeting days.

May shop hours - Tuesday thru Friday.
Tues/Wed 10 am-9 pm, Thurs 10 am-9 pm(silversmiths only), and Friday 9 am-4 pm.

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 /President

General Membership Meeting April 19, 2022

Call to order 5:56 Roll Call: A total of 18 members including 3 board members and 2 directors. Ed Oller made a motion to approve March's minutes with no changes and Bill Magee 2nd. Motion passed with majority.

President Report – Cari Jacob

1. Spring Cleaning - Lockers – Have been cleaned, categorized and most have new locks. Members have been notified regarding the new \$5 yearly fee to use a locked drawer. Drawers are available for new members. Please add your name to the list on the office table.
2. Currently there are about 5 lockers whose contents were unclaimed regardless of ALL attempts, and will be turned over to the club. Before May general meeting a silent auction will be held and proceeds will benefit the club. It is open to all members.
3. Palmeri Memorial – Members attended the memorial and donated a total of \$425. to the Palmieri Family.
4. Big Bob's Memorial Fund– Club members presented the family a total of \$535.
5. Train the Trainer Program – Silversmith, Lavonne/Board voted and added added \$20 to the \$690 grant for early check in - making the total monies granted \$710.
6. Central Michigan Lapidary banquet – Our group was invited to send 2 members to attend their annual banquet. Cinda Dawson & Ed Oller will attend May 19, 2022.

Vice President Report - Cinda Dawson

1. Membership-165 members - added a few people in April. Adding more mentor dates for May. 39 people didn't renew and that is a better number than most years. There could be close to 200 members by December.
2. Decals for cars and T-shirts are on sale now. T-shirts and decals can be purchased at the shop. (\$15-\$18 t-shirts) (Decals \$8).

Treasurer's Report – Lindy Sheedy

1. Bank funds are in good order. 8 vendors have submitted booth fees for the May show at this time. Deadline is May 1.

Shop Chair Report - Bill Magee

1. All equipment working except 10" auto feed saw. No replacement parts available for the old saw. Could have someone make them but that is expensive and there's no guarantee that they will work for very long either. Discussion of whether or not we want a new auto feed saw. Ed will check on one from Highland. Bill recommends that we sell the 2 saws that aren't working at the show and use that money to buy a new one.
 - a. Bryant Hiiter made a motion to buy a new 10" autofeed saw, but not to exceed \$2500. Jim Hanson seconded the motion and it was approved unanimously.

Silversmith Report – Lavonne Foldenauer

1. Agreed upon reimbursement payment to Big Bob's family for tools has been completed.
2. Account is in good standing. Recent purchases for sheets of silver and a new tumbler totaled \$444.55.
3. Lavonne requested members' input on a price to sell the silver polishing cloths. Janelle Gustafson motioned to sell silver polishing cloths for \$3 each, Terri Ridenour seconded it and was approved unanimously.

Old business

1. Spring Show - May 21, 2022 *One day Pop Up show 9-5. Club table needs help - SignUp-Genius will be made by Cinda Dawson.
2. Fall Show – September 17-18, 2022 Ed Oller is working on fall show. Each dealer can have one power strip per booth. \$275/booth (5 tables) Costs us \$4000 to hold show. Need to make new electrical cables. Discussion over who will be spending the night at the show - no volunteers at this time.



New business

1. Reminder to look at calendars - June and July meeting dates are at the Settlers Park.
2. Need to add a committee for the fall show - SignUpGenius/ Social media thoughts were discussed regarding generating categories.
3. Members Jim Hansen and Jim Johnson are sponsoring a field trip to Rockport State Rec. on June 4th. Information will be posted on Facebook and in the shop.
4. Member Jim Hansen, recently represented our club at Huron Hills club and gave a nice presentation about Lake Superior Agates.



7:30 Motion to adjourn – 1st Linda Sheedy, 2nd Cinda Dawson. Motion passed with majority and meeting adjourned.

Respectfully submitted,
Guest secretaries: Janelle Gustafson/ Cari Jacob

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.

Step back in time 350 million years!

Join Jim Hansen and Jim Johnson for a
2-part FIELD TRIP
at the Rockport State Recreation Area
Saturday, June 4
Meet in the picnic area parking lot between
11:30 and 12 noon.

- *spend 2-3 hours at the Rockport State Recreation Area quarry searching for devonian age fossils.
- *spend 1-2 hours at a private gravel pit about 40 minutes away searching for Indian artifacts and fossils.

Rockport is about a 3 1/2-hour drive from the LGMS shop. Overnight accommodations are available in Hillman or in Alpena. Full directions and additional information are posted at the shop. See either of the Jims for questions.

2022 Officers and Chairpersons

President: Cari Jacob 248-931-5999
Vice President: Cinda Dawson 810-423-0464
Secretary: Lori Irvin, 810-820-0494
Treasurer: Linda Sheedy 248-425-9686
Second year Directors:
 Bill Magee 734-981-6117
 Jane Lerma 517-438-6476
First year Directors:
 Janelle Gustafsen 248-420-1741
 Jim Johnson 810-923-6113
Hospitality and Sunshine:
 Angela Hamilton 248-431-8288
 Greyson Beckett 248-920-4913

Shop Chairpersons:

Bill Magee 734-981-6117
Newsletter: Isla Mitchell, 248-685-7804,
 imvm.1@netzero.com
Membership: Cinda Dawson, 810- 423-0464
Historian: Chuck Amberger, 248-787-6586
Library: Bryant Hiiter, 248-210-6138
Webmaster: John Myer, www.livingstongems.com
 Email: LGMSMich@gmail.com
 General Membership Meetings are held monthly on the
 3rd Tuesday at 6 pm. (Except in January and February
 when board meetings are held in the shop.)

2022 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	2022 date	Time	Meeting type	Location	
1	1/25	1 pm	Board Meeting	LGMS shop	
2	2/15	1 pm	Board Meeting	LGMS shop	
3	3/15	6 pm	General Membership	LGMS shop	Shop shut down at 5:45
4	4/19	6 pm	General Membership	LGMS shop	Shop shut down at 5:45
5	5/17	6 pm	General Membership	LGMS shop	Shop shut down at 5:45
6	6/21	6 pm	General Membership	Settlers Park	Shop shut down at 5:45
7	7/19	6 pm	General Membership	Settlers Park	Shop shut down at 5:45
8	8/16	6 pm	General Membership	LGMS shop	Shop shut down at 5:45
9	9/13	6 pm	General Membership	LGMS shop	Shop shut down at 5:45
10	10/18	6 pm	General Membership	LGMS shop	Shop shut down at 5:45
11	11/15	6 pm	General Membership	LGMS shop	Shop shut down at 5:45
12	12/12, 12/13, or 12/14	6 pm	General Membership and Holiday Party	Senior Center	Shop shut down at 5:45

Upcoming Events

Participate! Saturday May 21, 2022
LGMS Pop Up Show Volunteer!
Christ Lutheran Church, Waterford

May 29, 30 and June 1, 2022
Kalamzoo Geological and Mineral Society Annual Show
Kalamazoo Expo Center, Info: <https://www.kalamazoorockclub.org/event-information>.

June 3-5, 2022
StateLine Gem and Mineral Society's Annual Show
Fulton County Fairgrounds, 8514 SR 108, Wauseon, Ohio
Info: <http://statelinegms.com>

June 11-12, 2022
Mid-Ohio Mineral and Fossil Club's Show
Richland County Fairgrounds, 750 North Home Road, Mansfield, Ohio
Info: Tom Kottyan 419-562-1152

June 11, 2022
Indian Mounds Rock and Mineral Club's Rock Swap
Woodland Drive-In Church, 2600 Breton Rd SE, Grand Rapids, MI
Info: LaDonna Austhof, 616-426-7169, www.indianmoundsrockclub.com

Oddities of Obsidian

Dolores E. Rose, Stoney, via WGMS 9-2019, via The Glacial Drifter, March 2022, via AFMS Newsletter, 4-2022

Obsidian is an extrusive igneous rock formed when the magma of an erupting volcano reaches the earth's surface and cools rapidly. It is an extrusive rock because it was pushed out onto the surface. The cooling of the extrusive rock occurs so rapidly that the magma doesn't form minerals at all, but a volcanic glass.

It derives its name according to Pliny, an ancient Roman naturalist, from a fellow named Obsius, who found it in Ethiopia. Originally, it was named "obsianus", but the spelling was changed over the centuries to its modern form.

Obsidian occurs in many colors, black being the most common. It can also be red, brown or even green. It can contain inclusions of magnetite, ilmenite, iron oxide, potassium oxide, sodium, oxide, lime and magnesium. It is composed of 66-77% silica, with about 13-18% alumina. Magnetite most likely gives obsidian its black color, and oxidized magnetite or hematite the reds and browns. With slow cooling, silica crystals Cristobalite form, giving the "snowflake" obsidian or "flowering" obsidian. Iridescence reflected from minute inclusions arranged in layers is known as "rainbow obsidian". Another kind with gold inclusions with a strong metallic luster is called "gold sheen obsidian", and if the inclusions are grayish silver in color, it's called "silver sheen".

Obsidian is interesting in many ways, but mainly, for all practical purposes, it is a true glass. It has a hardness of 5- 5.5 on the Mohs hardness scale. It represents a quickly congealed mass of molten rock, for if it had time to cool slowly, it would have crystallized into a rock similar to granite or rhyolite.

It shows no trace of crystalline structure nor possesses any established composition and must be considered a rock instead of a mineral. It is amorphous, having no regular internal arrangement of atoms as in crystals. The word amorphous is taken from the Greek and means "no form" because there is no pattern to amorphous materials. The atoms are jumbled together in small groups like particles in a pile of sand. It is extremely brittle and breaks easily with shiny, black conchoidal fractures – a feature so perfectly developed that it is easily identifiable in the field. It is translucent and will not soften when heated to a bright red.

Obsidian is found throughout the western United States, mostly in Alaska, Colorado, Utah, New Mexico, Arizona, Wyoming, Oregon, Nevada and California. It is also found in B. C. and throughout Mexico. American Indians valued obsidian highly. Its perfect texture and easy fracture made it a prize possession for chipping into arrowheads and large ceremonial spear points. The Aztecs called obsidian "itztli", "teotal" or "divine stone" because of its usefulness in carving ceremonial blades. Even one of their gods was named "Itzoppzotl", meaning "obsidian butterfly".

Obsidian is also used to make attractive jewelry as cabochons or faceted. Thin slabs can be cut with a common glass cutter. Due to its extreme heat sensitivity, great care must be taken in working obsidian. Industries use obsidian as a raw material to make rock wool. Surgeons have even used thinly chipped obsidian knives in surgery because of the fine exact cut an obsidian knife makes.



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



*General Membership Meeting
at the shop on
May 17, 2022 at 6 pm
Silent Auction 4 - 5:30pm*

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.