

The Living Stones

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Livingston Gem and Mineral Society

August 2017

PRESIDENT'S MESSAGE

THE NEW WEBSITE IS UP AND RUNNING!

Thank you, Marc Lampcov for undertaking this job. It looks great!

www.livingstongems.com or the old address, www.livingstongemandmineralsociety.com will get you there!

44TH ANNUAL ROCKHOUND'S DREAM SHOW SEPTEMBER 16 AND 17, 2017

Thanks to everyone who came to the July 20 planning meeting. What every member needs to know:

1. Flyers are in the shop. Please take, copy and share or post in your favorite places.
2. One space comprised of 5 tables is available for club members to sell their finished work (no slabs or rough). 3 tables remain, to be filled on a first-come basis – see Ed if you want in. If there is a demand for more member space, we may start a jury system. Members may also share a table.
3. Tickets for the Orthoceras Plate drawing will be mailed to your homes. Please buy them (12 for \$10) and more!
4. The Club needs more items for the silent auction and drawings. Please donate at the office. Check out the beautiful donations we've already received in the display case.
5. During the show, Venus operates a kitchen to accommodate the vendors and volunteers. She can use some cookies and other donated treats.

6. Marianna Z. is taking orders for LGMS tee-shirts. Get yours now!

2018 LGMS CALENDAR

Thank you to Ed and Renee for spearheading this project and capturing so many great shots for our calendar. Once they have a lay-out, we'll need to be sure we have everyone's name and the type of stone in the photo. Also, thanks Lori K. for providing an album so we can keep *all* the great images!

Personal Note

On my recent vacation, I traded 18 lbs. of Petoskey stones for a nice assortment of agates, jaspers and obsidian at the "I Love Rocks Store" in Eugene, Oregon. The owner, "Crowbar", was delighted to have such rare specimens in his store. And we have some cool rocks to slab up for the Club. Better yet, I loved sharing my new hobby with an old friend. I just had to smile when a rock hunter on the beach pointed out her first "leaverite"!

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

2017 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

First year Directors:

Jim Hansen, 248-933-1482

Sharon Parker, 517-548-0675

Second year Directors:

Sharon Krauthelm, 810-701-3776

Dennis Gougherty, 810-986-9671

Hospitality and Sunshine:

Venus Sage, 810-458-4290

Shop Chairpersons: Ed Oller, 810-241-8801

Sharon Parker, 517-548-0675

Newsletter and Membership:

Isla Mitchell, 248-685-7804

imvm.1@netzero.com

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 3rd Tuesday at 6 pm (Except in January and February when board meetings are held in the shop.)

aunty acid says:
Don't you just hate it when you go to the
kitchen to look for food...
and all you find are ingredients!

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.

Garage/Rock Sale at Gayland Allen's home in Linden

Friday, August 11 and
 Saturday, August 12, 2017
 9-5 each day

(see directions on page 4 of this newsletter)

LGMS Club T shirts

LGMS Club T shirts will be available for sale. We are taking orders. See Marianna in the shop or send a text/call (810) 348-9815.

We need your size.



“Livingston Gem and Mineral Society”

Did you know?

You can change your newsletter preference:

*email copy

*paper copy by US mail

*paper copy in your shop folder

(just let Isla know if you'd like to change)

There is a “lost and found” box in the shop.

Remember to check it from time to time.

Your long lost treasure may be there!

Peridot

Birthstone for August

An old legend says that the inhabitants of St. John's Island, also known as Zebirget, in the Red Sea off the coast of Egypt, mined great stones as early as 1500 BC. These gems were called "topazos" and the island itself known as Topazios. The stones were greatly prized by the Egyptian kings who dominated the island, and the inhabitants were forced to mine them under rather harsh conditions. It was believed that the gems glowed in the dark, so they were hunted at night and the locations of the glowing spots carefully marked for recovery the next day. Actually today we know topaz is a completely different gem. The material mined on Zebirget is the gem form of the mineral olivine, which we know as peridot.

Peridot is surrounded by superstition. It was once thought that it could break evil spells. The gem was associated with the sun, whose rays gave life and dispelled the mysteries of darkness. Peridot was also supposed to have medical value. Through the centuries confusion arose regarding the names given to this material. The name "chrysolite" has been applied to peridot, prehnite, chrysoberyl, and other yellow stones. Other misleading names are "oriental-chrysolite" (chrysoberyl), "Brazilian-chrysolite", "aquamarine-chrysolite" (beryl), and "Saxony-chrysolite" (topaz). Many peridots were sent to Europe during the time of the Crusades, labeled as emeralds.

Peridot is a warm, soft olive or yellowish-green gem. It never reaches the intensity or shade of green characteristic of emerald. The hardness is 6-7 on the Mohs scale, which is somewhat soft for a gemstone. Cut peridots therefore tend to lose their polish and become scratched after some time. Good cleavage makes peridot somewhat delicate for use in rings. The birefringence of peridot is fairly high, and back facets appear doubled when viewed through the



thickness of a stone. Peridot tends to have a soft, velvety appearance that helps distinguish it from similar-appearing materials such as tourmaline and glass.

St John's Island is still a major source of the finest peridot, although mining there is extremely sporadic. Typically, no material is mined until little or none remains available on the marketplace, thus creating renewed demand. Fine peridot of a pleasing color comes from Arizona. At this locality small pebbles of olivine have been broken out of the rocks in which the mineral formed, and are recovered from sand dunes and ant hills! Small amounts of peridot have also been found in Brazil, Australia, Czechoslovakia, Hawaii, Norway, Zaire, and Mexico.

Synthetic spinel the color of peridot is a widely sold birthstone substitute, but spinel has none of the diffuse, oily softness of genuine peridot, and is also much harder.

Consumer Tips: Peridot is not an expensive gem, except in very large-sized flawless pieces. The best material is green with no tinge of brown or yellow. The finest stones may sell for several tens of dollars per carat. Gems weighing more than 50 carats are worthy of museum display.

From Rimstones Review, August, 2009, via Gems and Jewelry



August 5, 2017

Ishpeming Rock and Mineral Club's 42nd Annual Show

Ishpeming Elks Club, 597 Lake Shore Dr, Ishpeming, MI

Info: 906-228-9422 or ejohnson@nmu.edu

August 11-13, 2017

Copper Country Rock & Mineral Club Annual Show

Houghton Elementary School, 302 W Jacker Ave, Houghton, MI

Contact Norm Gruber, (906) 228-6764; show@ccrmc.info

August 11-13, 2017

Midwest Faceters Guild Seminar

Tallmade Township Hall, 1451 Leonard NW, Grand Rapids, MI

Pre-registration required by July 29.

Contact Barb Yost, (616) 453-9498; barbandben@gmail.com

August 12, 2017

Flint Rock & Gem Club Rock Swap

11350 N. Saginaw Rd., Clio.

Contact Bill Wendling, (810) 638-5796; bwrockbarn@centurytel.net

August 12, 2017

Tulip City Rock & Gem Club Annual Tailgate Swap-n-Sell

Sam's Club Parking Lot, 2190 N. Park Dr., Holland, MI

Contact Rance Westover, (616) 754-7093; rance_anne@yahoo.com

Directions to Jill and Gayland Allen's home for the August potluck:

16143 ½ Knob Hill Dr, Linden, MI 48851

810-735-4403

Directions: From the club, take M-59 east to US-23. Go north on US-23 for 12 miles to exit 79, Silver Lake Road. Turn left on W. Silver Lake Road. Go 3 miles entering Linden and continue on west through Linden for 2.7 miles. (Silver Lake Rd is labeled Broad St. in Linden – Watch your speed!) Turn left onto Knob Hill Drive as you come up a hill with road curving right. First Merit Bank is on the corner. Go ½ mile and 16143 ½ is on the left. Gayland will be guiding parking of cars. If you are coming from Howell, take M-59 to Argentine Rd, turn left on Argentine Rd and go 12 miles north to the blinking light in Argentine. Turn right on Silver Lake Rd and go 1 mile to Knob Hill Dr on the right at the First Merit Bank. Turn right on Knob Hill Dr and go ½ mile to 16143 ½ on the left. If using GPS, leave off the “1/2” on the street number.

How about a little geology review?

From www.michigan.gov/deqgeologyinmichigan

**If ONE METER = 1,000,000,000 (billion) years
then one mm = 1,000,000 (million) years**

	Event	Years Ago	mm	cm	in	ft
Cenozoic Era	Modern humans	100,000	0.100	0.0	0.00	0.00
	Pleistocene epoch	1,800,000	1.800	0.2	0.07	0.01
	Mastodons	37,000,000	37.000	3.7	1.46	0.12
Mesozoic Era	Dinosaurs extinct	65,000,000	65.000	6.5	2.56	0.21
	Cretaceous period	144,000,000	144.000	14.4	5.67	0.47
	Jurassic period	206,000,000	206.000	20.6	8.11	0.68
	Dinosaur / Mammals	245,000,000	245.000	24.5	9.65	0.80
	Triassic period	248,000,000	248.000	24.8	9.76	0.81
Paleozoic Era	Permian period	290,000,000	290.000	29.0	11.42	0.95
	Reptiles	320,000,000	320.000	32.0	12.60	1.05
	Pennsylvanian period	323,000,000	323.000	32.3	12.72	1.06
	Mississippian period	354,000,000	354.000	35.4	13.94	1.16
	Amphibians	400,000,000	400.000	40.0	15.75	1.31
	Devonian period	417,000,000	417.000	41.7	16.42	1.37
	Land plants	435,000,000	435.000	43.5	17.13	1.43
	Silurian period	443,000,000	443.000	44.3	17.44	1.45
	Ordovician period	490,000,000	490.000	49.0	19.29	1.61
	Corals / fish	505,000,000	505.000	50.5	19.88	1.66
	Cambrian period	543,000,000	543.000	54.3	21.38	1.78
	Trilobites	570,000,000	570.000	57.0	22.44	1.87
Precambrian time	Copper in UP	1,060,000,000	1,060.000	106.0	41.73	3.48
	O2 BIF	2,000,000,000	2,000.000	200.0	78.74	6.56
	Oceans & life	3,800,000,000	3,800.000	380.0	149.61	12.47
	Moon / Precambrian	4,500,000,000	4,500.000	450.0	177.17	14.76
	Earth forms	4,600,000,000	4,600.000	460.0	181.10	15.09

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



Potluck Gathering

Tuesday, August 15, 2017 at 6 p.m.

Jill and Gayland Allen's Home in Fenton

(see directions on page 4)

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.