

Livingstones

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Livingston Gem and Mineral Society

September 2013

President's Message

Whew! Thank goodness August is over with. It was so busy, and so many things were going on in the club it will be nice to just sit back and relax in September. Wait! **Our show is in three weeks!** Please sign up on the board to work at one of our stations during the show. Please keep Friday the 20th open to help us set up. Also, please donate an item for the raffle and silent auction. Put your name on a display box before they are all gone. We will have a cleanup day on the Tuesday before the show.

As many of you know, the club bought a rock collection recently, and I would like to personally thank those of you who gave up a Sunday to come out in your cars, trucks, trailers, and a dumptruck, yes, that's right, a dumptruck, to move it to Sheila York's barn for storage. Chuck Amberger, John & Peggy Petito, Ed Oller, Gayland Allen, Venus Sage, Mike McDevitt, Bob Hansor, George & Anna Pernicano, Marvin Martin, Dan Rudder, Dennis Barlow, Jeff and Jesse Benedict for driving the tractor to unload the dumptruck. Thank you also to Sheila York, the Petitos, and the McEwens for cleaning out the barn, and cutting the overgrowth so we could get to the barn. Finally, a huge thanks to Sheila for letting us store the rocks on her property.

I would like to thank Gayland and Jill Allen for being such great hosts at our August picnic. Even as tragedy was striking their family they

continued to make sure we had a great time: Jill upstairs making sure everyone had enough to eat and drink, Gayland downstairs giving away way too many rocks.

I would like to thank Mick Hodgson for opening up his home and gardens for about a dozen of us last Saturday. There are pictures on the bulletin board. It was an impressive sight. I especially liked the reflecting pool in the woods.

SAVE THE DATE! Our banquet is the third Tuesday of October. Please see Vi Porritt about when tickets will be available, and the price.

Please plan on attending the meeting this month. We will be voting on the code of conduct and rules which were in August's newsletter.

Lastly I would like to thank those of you who keep the shop running. Marvin Martin, for cleaning out the tube, a smelly, thankless job. I also observed Al Zielinski and Bob Kalis cleaning saws. And to all of you who grab a mop, even when it is not your mess.

Bryant

Workshop Hours

Monday: 10 a.m. to 1 p.m.

Tuesday: 9 a.m. to 9 p.m.

Wednesday: 10 a.m. to 9 p.m.

Friday: 10 a.m. to 2 p.m.



LGMS Annual Show

September 21 and 22

Are you preparing your display case?

Do you have contributions for the club table?

Have you donated to the prize drawing and silent auction prizes?

Volunteer! Display! Participate!

LGMS Annual Banquet

Tuesday, October 15, 2013

at 6 p.m. in the Senior Center

\$14.00 per person

make your reservation with Vi Porritt

810-235-6286 or

vporritt@comcast.net

Come to enjoy good food, great company
and an interesting speaker!

2013 Officers and Chairpersons

President Pro Temp: Bryant Hiiter, 248-889-3974
 Secretary: Sheila York 810-695-0509
 Treasurer: Peggy Petito, 248-887-8847
 First year Director: Ed Oller 810-241-8801
 Second year Directors: Violet Porritt, 810-235-6286
 Lorelei Hosler, 810-789-3687
 Third year Director John Petito, 248-887-8847
 Hospitality: Venus Sage, 810-458-4290
 Sunshine: Isla Mitchell, 248-685-7804
 Shop Chairperson:
 Newsletter and Membership:
 Isla Mitchell, 248-685-7804
 imvm.1@netzero.com
 Show Chairman and Historian:
 Chuck Amberger, 248-787-6586
 Library: Bryant Hiiter 248-889-3974
 General Membership Meetings are held monthly
 on the 3rd Tuesday at 6 p.m. (Except in January
 and February when board meetings are held in
 the shop at 1 p.m.)



Did You Know....

... that coral reefs are the largest structures ever built on planet Earth by any animal, including man.

... that a pearl has a life expectancy of only 100 years, or 150 at the most.

... that one ounce of gold can be beaten or flattened into a sheet of 100 square feet, or drawn into a wire almost a mile long, or made into a foil that is less than five millionths of an inch thick and virtually transparent.

... that your turquoise ring could change its color if you wash your hands without removing it and even become smelly if you immerse it in dishwater or oily liquid.

...that two flints or a flint and steel will strike a spark that can be used to start a fire, but also that two quartz stones will serve the same purpose.

...that some gem materials come from strange sources. One is grown on trees (amber – formerly tree sap). Some start as an irritant inside the shell of a mollusk (pearls) or grow in the mouths of animals (ivory). One begins as an “apartment complex for a colony of sea creatures (coral). One comes from volcanoes and is the product of stone so hot that it melts (obsidian). One is even thought to be formed of rock which has melted after being hit by a meteorite falling from outer space.

... that what determines the hardness graduation in lead pencils, which, by the way, range from 9H (hard) to 9B (extra soft), is achieved through the addition of varying amounts of clay to the graphite. Graphite is the “lead” in lead pencils. ...that when held in your hand up to your ear, sulphur sizzles and pops. This is caused by cracking inside due to the expansion caused by the heat of the hand.

...that the polishing agent known as “jeweler's rouge” is made of powdered hematite.

(via the Rock Rattler 4/10)

Mini Miners Monthly ...

is the only monthly publication about minerals written for young mineral collectors and enthusiasts.

The usual annual subscription costs \$9.95 but club members can obtain it at a reduced rate.

Contact: Darryl Powell
Diamond Dan Publications
278 Howland Avenue
Rochester, New York 14620
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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.

~~~~~ Upcoming Events ~~~~~

**September 6-8, 2013**

**Toledo Gem and Rockhound Club's 42<sup>nd</sup> Annual Jewelry, Gem and Mineral Show**

Stranahan Theatre Complex, 4645 Heatherdowns

Information: John Capuano 419-882-1733, [jscapuano@yahoo.com](mailto:jscapuano@yahoo.com)

**September 13-15, 2013**

**Tulip City Gem and Mineral Club's Annual Show**

Holland Civic Center, 150 W. 8<sup>th</sup> St

Information: Dave Nienhuis [dpnienhu@sbcglobal.net](mailto:dpnienhu@sbcglobal.net)

**September 21 and 22, 2013**

<<<< OUR OWN >>>>

**Livingston Gem and Mineral Society's Annual Show**

Hartland Education Support Services Center, 9525 Highland Road, Howell, MI 48843

Information: Chuck Amberger, 248-787-6586, Bryant Hiiter, 248-889-3974

**October 11, 12, and 13, 2013**

**69<sup>th</sup> Annual Greater Detroit Gem, Mineral, Fossil & Jewelry Show**

Macomb Community College Expo Center

Stan Woollems 734-994-3048, [wwool@comcast.net](mailto:wwool@comcast.net)

**October 19 and 20, 2013**

**The Flint Rock and Gem Club's Annual Show**

Carter Middle School, Rogers Lodge Drive, Clio, Michigan

Information: Ed Hern 810-687-2339 or [www.flintrockandgem.org](http://www.flintrockandgem.org)

**October 25, 26, and 27, 2013**

**Central Michigan's 48<sup>th</sup> Annual Gem, Mineral, Fossil, Lapidary and Jewelry Show**

"Main Arena" Ingham County Fairgrounds, 700 E. Ash St, Mason, MI

Information: 517-641-6125 or [faceetman60@yahoo.com](mailto:faceetman60@yahoo.com), [michrocks.org](http://michrocks.org)



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. Annual dues are \$15 per person or family. Annual shop fees are \$10.00 per person. 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.

## GEOLOGIC WONDERS - THE WAVE



The Wave is a fantastic sandstone rock formation located near the Arizona/Utah border on the slopes of Coyote Buttes, in the Paria Canyon-Vermilion Cliffs Wilderness, on the Colorado Plateau in Utah. It is famous among hikers and photographers for its colorful, undulating forms, and the rugged, trackless hike required to reach it. The Wave is made of Jurassic-age Navajo Sandstone that is approximately 190 million years old. Scientists who study The Wave say that the old sand dunes turned into hard compacted rock over the ages, calcifying in vertical and horizontal layers. Erosion by wind and rain has created the spectacular landscape which appears now. Breathtaking sculpted swirling bands of color run through sandstone, which has eroded into interesting shapes. The colors and shapes change with the light as the day progresses. Red, pink, yellow and green rock has been blended together to form castles, beehives, chutes and other structures. The soft sandstone of The Wave is fragile; one needs to walk carefully to not break the small ridges. The Paria Canyon-Vermilion Cliffs Wilderness, which contains The Wave, is administered by the Bureau of Land Management, and a permit is required to visit The Wave. Due to the fragile nature of the site, only twenty permits are issued per day. The best, and most popular, time to visit The Wave is in the spring and fall. The Wave is challenging to find. In an effort to maintain the natural integrity of the region, there is no formal trail to The Wave. The Paris Ranger Station will give hikers with permits a lengthy, full color photo and map handout called "Finding The Wave" with GPS, latitude-longitude coordinates. Regardless, it is easy to get lost, and in past years there have been a significant number of Search and Rescue efforts for persons lost hiking to and from The Wave. If it rains the hike might be cancelled, as the mud formed literally sucks, and makes it dangerous to hike. During the summer it can easily get over 100°, so plenty of drinking water is a must as dehydration is a real risk. Everything must be carried in and carried out. Regardless of the hassles involved in the permit process and hiking in the rugged, trackless wilderness to reach it, The Wave is a photographer's delight. It is said that the best time to photograph it is when the sun is directly overhead, but at other times the shadows give it nice contrasts. Beautiful, fragile and protected, The Wave is a geological wonder of the world! Information for this article came from:

<http://www.besthike.com/northamerica/usasouthwest/wave.html>,

[http://en.wikipedia.org/wiki/The\\_Wave,\\_Arizona](http://en.wikipedia.org/wiki/The_Wave,_Arizona) and

[www.utah.com/playgrounds/the\\_wave.htm](http://www.utah.com/playgrounds/the_wave.htm) via The Rockhounder, via Monrovia Rockhounder



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



***General Meeting at the shop***

***Tuesday, September 17, 2013 at 6 p.m.***

***Please come early to help clean the shop  
in preparation for our Annual Show.***

***Cleanup begins at 1 p.m.***