

Livingstones

Page 1

Livingston Gem and Mineral Society

July 2013

President's Message

Summer is here and Dr. Hiiter says you should get out of the hot humid weather and come to a nice air-conditioned shop and work on rocks.

Thank you Mike McDevitt and family, for hosting our June picnic. This month we will be going to Sue and Paul Mc Ewen's house. Directions are in the newsletter and on the bulletin board.

It's July, and the show is in sight. Time to think about how you can help make it the best show ever. Please consider volunteering on Saturday or Sunday, or both! Remember "Many hands make light work." Any ideas about where to advertise, or innovative ways to advertise please tell Barbara Wolfe (she will be at the July meeting) or one of the club officers.

Thank you to all of you who are keeping the shop clean. You are appreciated whether we single you out or not.

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.



FOR SALE

Beacon Star cabbing machine.

It has 3 grinding wheels, 1 sanding wheel, and 1 polishing disc on the end. Please come to the shop to see it yourself. It is sold "as is" and does not have a motor. This is the machine only. Bidding will be open for the next 2 weeks, ending at noon, Tuesday, July 16, 2013. There is a reserve of \$180.00 Any bids over \$180 will be taken. The highest bid received by the deadline will win. Please submit your bid on a piece of paper, with your name and price, to Bryant Hiiter or in the sealed container.

GENERAL MEETING June 18, 2013

Meeting called to order by President Pro Tem, Bryant Hitter at 7:15 pm, with 26 members present at start of meeting. Member Margaret Edmundson made a motion to accept minutes of the May 2013 meeting as written. It was seconded by member Ed Oller. All were in favor.

TREASURER: Peggy Petito is on a leave of absence to return at a future date. Our sympathy to the Petito family for the loss of her mother. President states that all is well financially, with no concerns at this time.

HISTORY and Show: Nothing to report at this time.

SHOP: Bryant reports that the shop is running fairly smoothly at this time. The saws have all received a good clean out and wheels and belts have been checked and replaced as needed. Member Gayland Allen states that the big saw has had bearings replaced and is cutting fair, though a new blade and a possible new motor is being looked into. He has agreed to look into the purchase of same with funds from the club. The small 4-inch saw needs some work and Gayland is looking into the repairs; the early expense is estimated at \$32. Motion to cover this expense made by Margaret and seconded by Venus Sage. All in favor.

COMMITTEE (newly formed as of last month's meeting) for a code of ethics, safety, and rules of conduct. 5 members volunteered and one of the members has been unable to work with the group due to temporary family constraints. Member Sue Mc Ewen brought up that suggestions are needed and appreciated; anyone can write them up and give them to any committee person or a board member. Discussion was made regarding the feasibility of more members being on this committee. At this time, it was decided to give the committee time to work with any suggestions and contributions.

Several members mentioned that all ideas should be presented to the members.

NEW BUSINESS: Advertising for the show in local/community papers. If there is an article written for submission to said paper, this will bring information to the public regarding the show and the beautiful agate lamp that is going to be available for the prize drawing. Member Lavonne Foldenauer has volunteered to work on the article and Venus has agreed to do the typing. Member Isla Mitchell mentioned that member Barb Wolfe is handling the advertising for the show. The club would like to thank Robin, Mike Mc Devitt's daughter, for making the beautiful Montana Agate lamp; great job and the club is very appreciative. Venus also brought up that she thinks it would be a good idea to do a better job of displaying the items that are offered for the silent auction and drawing to increase interest. Continuing with new business: discussion for the purchase of tablecloths for the various functions that the club has needs. It was generally agreed upon that Venus should purchase them with the various kitchen supplies as needed.

Ed Oller brought to the meeting questions about the grinder that hasn't been used for over two years, and is sitting in the shop. There has been some interest by members to be able to purchase the machine. Bryant stated that a quorum of officers is needed to take a vote on this and advertise that it is for sale to the members.

Special "thank you" to Mike and his wife for opening up their home for our potluck, and all the members for the delicious contributions. Next meeting: July—at the home of Sue and Paul McEwen. Directions in this newsletter (page 6).

Motion to close meeting at 7:50 pm. George Pernicano and seconded by Madeline Navarro.

Respectfully submitted by Sheila York, Secretary

2013 Officers and Chairpersons

President: Ken Blake, 810-750-6078 (on leave)
President Pro Tem: 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: Ken Blake
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.)

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.

Test for Topaz

Topaz and quartz are not easy to separate by eye, and are sometimes impossible when the quartz is true topaz color. There is a big difference in price in the two and anyone describing quartz and topaz, however innocently, may well be in trouble. Topaz is quite a different mineral, which is harder than quartz. Because of this, a drop of water will not spread on topaz, but will on quartz. Clean the stone with a cloth to remove all traces of grease. It must be dry before the test. Then place a small drop of water on it with a thin glass or metal rod. On stones with hardness of less than 7 on the Mohs Scale, the water is dispersed. On harder stones it will remain as a globule. The harder the stone, the more rounded will be the globule of water.

Moroks Newsletter March 2013, via El Gambrisino



Amethyst druzy
(see page 4)

What's Druse?

by Layna Palmer, Wire-Sculpture.com, February 15th, 2013

I think what I love most about rocks is the processes that create them. There are so many varieties, colors, structures and types of rocks it's almost mind-boggling. Even more amazing, though, are the sometimes violent and sometimes quiet ways rocks can be formed or changed over time. One process that I love the outcome of is the formation of druse on or in rock. Druse, pronounced drooz, is the small sugar-looking crystals that form on the outside of some rock and on the inside of others either through a sedimentary or volcanic process. Drusa was the name used by Saxon miners to describe the small crystals lining the sides of rock cavities as early as the 1750s. Drusy, druzy, druse and druze are all different spellings for the same thing, though druse and drusy are more commonly used in geological terms, due to druze being a religious sect in Syria with its members being called druzys; however, either spelling is acceptable.

How Druse Forms Druse that forms on the outside of rock is usually caused by precipitation in sedimentary processes, where groundwater saturated with dissolved silicates or carbonates floods a rocky area and slowly, over time, crystals form on the surface of the rock. This process can also form geodes under specific circumstances. Geodes form when a cavity in a rock, or even a stump, is filled with saturated water and crystals form in the space. When the water drains away, a crystal matrix is left behind and a geode is formed. Druse that forms on the inside of volcanic rocks happens when a lava flow begins to cool and the gasses within the lava form bubbles. These bubbles are then filled with water, either groundwater or hydrothermal solution, that is again saturated with silicates or carbonates. Over time, the druse begins to grow within the bubble, or vug. After the bedrock is weathered away, geodes are left behind.

Types of Druse One of the most common types of druse is quartz which gives us clear crystals reminiscent of sugar-coated jelly candy. Another type of druse is the purple hue of amethyst crystals, green of uvarovite, and even rainbow druse from the rainbow pyrite and all colors in between. Like other stones, heat treating can change the color of the crystal matrix forming druse and change the color in fun ways from bright pinks, fluorescent purple and will sometimes change just the host rock, leaving the druse its natural color. Metallic coatings like titanium, platinum, or gold are done the same way mystic topaz is made, with a vapor coating in a vacuum chamber. These treatments and enhancements make for some fun and beautiful drusies! Drusies used in jewelry making are most commonly geodes that have been cut and calibrated to use as cabochons, maximizing the beauty of the druse within.

Druse and the metaphysical Druse crystal is said to enhance the properties of the stone it is formed on or in, helping to get rid of any negative feelings or thoughts, directing them away from you. Drusy crystals are also said heal feelings of worry, self-doubt, and pessimism or any other negative thoughts and emotions. Placing a drusy crystal in your home can help bring in feelings of happiness and joi de vivre.

Where is Drusy found? Druzy and geodes are found all over the world, but the most common areas of mining are the United States, Brazil, Australia, China, Russia and parts of Africa - okay, so all over the world! Geode Road Trip: if you're in for an adventure, there are several places in the United States to find geodes! The Hauser geode beds near Blythe, California are ancient volcanic ash beds. The geodes here are beautiful with different colors of agate, mostly hues of blue, within the gray stones and well defined banding within the rock. Another great place is Utah at the Dugway geode beds. Here you can find geodes in a range of colors from white quartz, amethyst and all colors of agate. These geodes are formed through volcanic processes, while the following are through sedimentary. In the Keokuk region of Missouri, Iowa and Illinois, you can find geodes of chalcedony, calcite, quartz and banded agate in all colors of the rainbow. Kentucky, near Dannville and Hall's Gap, gives us light pink amethyst and banded agate while in the limestone of the Mississippi River valley we find quartz, calcite and chalcedony.

Caring for Drusies Drusies are beautiful and dynamic stones with an interesting and fun heritage. Care should be taken when making jewelry out of drusy. They're not very good for rings and bracelets, but do great in pendants. Clean with a soft brush and gentle care. Though the crystal matrix is fairly sturdy you don't want to clean it off with a lot of elbow grease or an ultrasonic bath. Just as another wonder of geology: it takes approximately 240 million years to form a geode, so you are truly wearing a piece of the amazing processes of planet we call home.

~~~ Upcoming Events ~~~

August 2-4, 2013

Ishpeming Rock and Mineral Club's Annual Show

Ishpeming Elks' Club, 597 Lake Shore, Ishpeming, MI
Information: Ernest Johnson, 906-228-9422 or ejohnson@nmu.edu

August 9-11

Copper Country Rock and Mineral Club's Annual Show

Houghton Elementary School, 203 Jacker Ave, Houghton, MI
Information: Norm Gruber 906-228-6764 or pres@ccmc.info

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 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



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, archeology, 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.

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



Potluck Gathering
Tuesday, July 16, 2013 at 6 p.m.
Sue and Paul McEwen's home

16397 Oakhill Drive, Fenton, MI
810-735-5832

- Directions:***
- 1. Take US 23 to White Lake Road exit***
 - 2. Turn right onto White Lake Road***
 - 3. Stay on White Lake Road for 1.5 miles, to a stop sign at Bennett Lake Road***
 - 4. Turn left on Bennett Lake Rd.***
 - 5. Stay on Bennett Lake Rd for 2.1 miles***
 - 6. Turn right on Crosby (gravel road), the first road to the right after crossing Linden Road***
 - 7. Follow Crosby for .6 miles. Crosby becomes Oakhill Dr. when you cross back into Genesee County.***
House is on the right, wood fence around property and 16 foot Blue Heron in the drive.