

Livingstones

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Livingston Gem and Mineral Society

September 2015

President's Message

Thank you to Gayland and Jill for a wonderful picnic last month.

Just a reminder, this month's meeting is at the shop on Tuesday the 15th, at 6 p.m. Also on the 15th, we will shut down the shop at 1 p.m. for a cleaning bee. October's meeting is our annual banquet; stay tuned for more information.

Our Show is only 3 weeks away. Please take flyers to put up around your home town. Make sure you reserve the last few display cases before they are gone. Be sure to turn in money for the prize drawing tickets. Venus is going to need help in the kitchen. Please see her if you can help, particularly Saturday and Sunday mornings. Those of you who can help set up on Friday, the 18th, please plan to meet at the shop at noon. Also, we will need help taking down on Sunday at 4 p.m. Part of belonging to a club is helping at club functions. We only do this once a year, and we really need everyone's help. Let's all do our part to make this a safe and successful show.

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 General Meeting

August 11, 2015

Bryant called a short meeting at noon to address a few issues. 30 members were present.

There are several club officer positions open for the year beginning in January: president, vice president, secretary, treasurer and directors. Members were invited to volunteer to be on the nominating committee. George Pernicano, Gayland Allen, Vi Porritt and Chuck Amberger agreed to serve.

Plans for the show were reviewed. There is a great need for some of our younger members to help prepare the gym by taping the floor mats and electrical cords. This requires working on one's knees.

Items are being donated for the prize drawing and silent auction but members were reminded to contribute if they have not already done so.

All members were also reminded to help publicize the show by distributing flyers and sharing the information in any other way.

Respectfully submitted,
Sheila York, Secretary



2015 OFFICERS AND CHAIRPERSONS

President: Bryant Hiiter, 248-889-3974

Vice President: Gayland Allen, 810-275-3444

Secretary: Sheila York, 810-695-0509

Treasurer: Peggy Petito, 248-887-8847

Second year Directors: Margaret Edmundson,
248-634-5046

Paul McEwen, 810-735-5832

Third year Directors: Ed Oller, 810-241-8801

John Petito, 248-887-8847

Hospitality: Venus Sage, 810-458-4290

Sunshine: Anna Pernicano, 248-486-4048

Shop Chairpersons: Gayland Allen, 810-275-3444

Ed Oller, 810-241-8801

Newsletter and Membership:

Isla Mitchell, 248-685-7804

imvm.1@netzero.com

Historian: Chuck Amberger, 248-787-6586

Library: Bryant Hiiter, 248-889-3974

Webmaster: Emily Saling

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.)

2015 Annual Banquet

This year we have decided to “shake up” our plans for our annual after-show banquet. It will be held at a restaurant and you will be able to choose your meal preference. Here are the details:

Date: October 20, 2015 at 6 p.m.

Place: Grand River Grill

2394 Genoa Business Park Drive

Brighton, MI

(near the St Joseph Woodland and Genoa Medical Building)

Cost: \$14 per person

Menu options

A) Lemon Chicken with Rice and Vegetable

B) Fish and Chips

C) Spinach Pie

* also included will be soup or salad and beverage (tea, coffee, or soda) and bread.

Contact Sheila York before October 6 to make your reservation. Hope we can all make it! It is about 15 minutes from the shop.



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, archeology, paleontology, and the lapidary arts.

In Memorium

“Johnny” Johnson

John William Johnson, age 90, Fowlerville resident since 1966, passed away Friday, July 31, 2015. He was born April 30, 1925 in Caspian, MI, the son of John and Clara (McLaughlin) Johnson. He was a U.S. Army veteran of W.W.II and the Korean War. He owned and operated the State Theater in Caspian, MI during the 1950's and the Blue Sky Drive In in Pigeon in the 1960's. John was an electrical inspector for the Livingston County Building Department. He was **a founder of the Livingston Gem and Mineral Society of Livingston County**; a member of Antique Phonograph Society, the Michigan Antique Radio Club and Automatic Music Instrument Club of America (A.M.I.C.A.). He especially enjoyed entertaining his friends with his old movie collection. John is survived by friend, Kenneth J. Stokes and many longtime friends.

UPCOMING EVENTS

September 11-13, 2015

Toledo Gem and Rockhound Club Annual Show

Stranahan Theatre Complex, 4645 Heaterhdowns, Toledo.

Contact: John Capuano, (419) 882-1733; jscapuano@yahoo.com;

September 12, 2015, 9 am – 1 pm

Kalamazoo Rock Club's Third Annual Tailgate Sale and Swap

St Michael Lutheran Church

7211 Oakland Dr, Portage, MI

Info: Kalamazoorockclub.org

OUR VERY OWN!

Livingston Gem and Mineral Society

Annual Show, September 19 and 20, 2015

Setup on Friday afternoon, September 18

Prepare your showcase!

Volunteer your time!

September 26-27, 2015

Grand Traverse Area Rock and Mineral Club Annual Show

Grand Traverse County Civic Center, 1213 W. Civic Center Dr., Traverse City, MI 49686

Contact: Lauren Vaughn, (231) 276-6150; maple2b@aol.com; www.tcrockhounds.com



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What is Refractive Index?

From The Midwest Faceter, August 2015

Refractive index, or RI as it is often abbreviated, is one of the most important signatures of a gemstone. Measuring the refractive index is one of the first steps in identifying a gemstone, though some gemstones have similar refractive indices and additional tests are required for a definitive identification.

RI is the difference between the speed of light in a vacuum and the speed of light in the gemstone. As light passes through a gemstone, it slows down because a gemstone is more dense than air. This slowing down causes the path of light to change. Refraction is the bending of light as it passes in or out of a gemstone. The angle of refraction in the gemstone determines its RI. Gemstones with a higher RI are more brilliant than those with a low RI. Diamond has an RI of 2.42; quartz has an RI of 1.541.55.

The RI of most gemstones is easily measured using a simple optical instrument known as a refractometer.

Some gemstones are singly refractive; they have only one refractive index. Other gemstones, in fact, most are double refractive; They have two different refractive indices. When a beam of light enters a doubly refractive gem, it is split into two beams, each traveling at different speed and on a different path through the crystal. Birefringence is a measurement of the difference between the two refractive indices in gems that are doubly refractive, and it ranges from a low of .003 to a high of .287. Very few gemstones are singly refractive; in fact, the only well known gems with that property are diamond, spinel and garnet.



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



General Meeting
on Tuesday, September 15, 2015
6 p.m. at the shop
cleaning bee starts at 1 p.m.

