

The Living Stones

Livingston Gem and Mineral Society

April 2011

Vice President's Message

It's spring!! Or is it? The lapidary shows have started so can spring really be far behind?

As you can see in the bulletin board photos, Phil has a used Graves Mark 1 Faceting Machine with accessories for sale. This could be your chance to get into faceting stones. Call Phil at 810-845-0807.

Shop talk: More water, more water, more water. We're having some serious problems with 100 and 180 grit diamond wheels! We need to use more water with less grinding pressure. The shop has burned up three grinding wheels in less than two months, at a cost of \$165 each! Wheels should last more than six months, even with all the use we give them. And please, never run a diamond wheel without plenty of water!

The Mt. Clemens Gem and Lapidary show is Friday, Saturday and Sunday, April 15-17, 2011 at the Roseville Recreation department, 18185 Sycamore, Roseville.

"Glass Bead Rides on Space Shuttle!"

Congratulations to LGMS member Dawn Cecacci, who had one of her beads picked to be sent into space on the shuttle! This contest was sponsored by the "Beads Of Courage" organization. We're proud of you, Dawn!

The kids are still here! We're two months into teaching the 4H groups, with six weeks to go. We can still use a few more teachers for 6:00 pm Monday nights. If you can help, contact Chuck or me.

The Tuesday kids have moved to Friday, so if you're a younger member, or just a kid at heart, come join us. No charge other than the \$1.00 shop fee, and I have stones to work on.

Our silent auctions are doing very well with the third auction to start April 5th. We could use some more donations to keep it going! Bring in any stones, rocks, slabs or rough cutting material you can do without.

Club members Stephen Miron, Sandy Taylor, Alice Redick and Roger Redick, your name tags are in. The tags are \$4.00 each. Anyone else who needs a name tag, let me know.

That's all folks!

Ken



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.

Secretary's Report, March 15, 2011

Due to vacations and illness, we were unable to have an official March meeting since we did not have a quorum. Unofficially, Vice President Ken Blake, called the group to order. Several things were discussed. Al thanked everyone for helping to keep the shop clean. He is putting in many hours to improve and maintain the shop.

The fliers for the show are printed and are in the rack by the office. If you know of a place to distribute them, please feel free to get some of them. The more we advertise the better our show will be.

Two people volunteered to provide the refreshments for the April meeting.

Submitted by

Margaret Edmundson, Secretary

Blast off!

One of our members, Dawn Ceccacci, was honored when one of her lampwork beads was chosen to go into space for Beads of Courage. BOC is a charity providing supportive care programs for children coping with serious illness. Dawn's bead will launch into space on the Shuttle Endeavor on April 19. After returning to earth, the bead will travel in an exhibit and likely end up in a museum. You can see more of Dawn's work at her website <http://dawnsglassart.com>. Additional information about BOC is available at <http://beadsofcourage.org>. Congratulations, Dawn!

LGMS Workshop Hours

Monday 10 a.m. to 2 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.



2011 Officers and Chairpersons

President: Marv Martin, 517-521-3135

Vice President: Ken Blake, 810-750-6078

Secretary: Margaret Edmundson, 248-634-5046

Treasurer: Peggy Petito, 248-887-8847

Second year Directors:

John Petito, 248-887-8847

Paul Maitre, 248-961-4947

First year Directors:

Violet Porritt, 810-235-6286

Lorelei Hosler, 810-789-3687

Sunshine and Hospitality: Mary Barnett, 734-449-2907

Isla Mitchell, 248-685-7804

Shop Chairperson: Alan Zielinski, 810-632-6616

Newsletter and Membership:

Isla Mitchell, 248-685-7804

Chuck Amberger, 248-787-6586

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 New Website!

Thanks to the work of one of our members,
Rhonda Hagerman, our club is pleased to
announce our NEW WEBSITE!

You can check it out at:

<http://livingstongemandmineralsociety.com>

It already contains lots of useful information and
more will be added in the future.

Thanks so very much, Rhonda!



The members who gathered on March 15 were
delighted to be treated to a wonderful corned
beef and cabbage dinner by
Sharon Krauthem and
Margaret Edmundson.

Thanks so much for your generosity! It was
scrumptious!



Notice to the general membership

The LGMS members are teaching 4H Lapidary
classes on Monday evenings from 6 PM until 8
PM for the next several weeks. I know that this
may be an inconvenience for some of you, but I
am asking you to put away your own projects at
this time for a while. We need teachers (many) to
help us in this effort. If you would like to help,
please contact me, Chuck Amberger, at 248-787-
6586 and I will incorporate you into our teaching
schedule. It's fun and I'm sure you will enjoy it
as much as we do.

Chuck

Upcoming Events

Mt Clemens Gem and Lapidary Society

Annual Show
April 16, 17, and 18, 2011
Roseville Recreation Center
18185 Sycamore, Roseville, MI
Information: mcgls.org

The Kalamazoo Geological and Mineral Society

What is a Rockhound?
Gem and Mineral Show
April 29, 30 - May 1, 2011
Kalamazoo County Expo Center, 2900 Lake St.
(Fairgrounds)
Information: 269-649-1991 or 269-375-5678

Huge Rock and Mineral Sale

Saturday, May 21, 2011, 9-6,
Sunday, May 22, 2011, 9-4
Marve and Kitty Starbuck
7636 East V Avenue, Vicksburg, MI
Information: 269-649-1991 or 1-231-740-5512

State Line Gem and Mineral

50th Annual Gem, Jewelry, Mineral and Rock
Show
June 3, 4, and 5, 2011
Fulton County Fairgrounds, Wauseon, Ohio
Junior Fair Building
information: 517-263-1669 or
rychard@tc3net.com
<http://stateline.freewebspace.com>

M.G.A.G.S.

Rockhound Weekend

June 11 and 12, 2011
Carrollton Middle School
3211 Carla Drive, Carrollton, MI
information: www.mgags.org or 734-421-8159

A Rockhound

A Rockhound is a kind of nut
Whose mind is slightly undercut.
He swings a pick and drives a jeep,
And dreams of agate in his sleep.
He'll pick up any kind of stone
Or piece of glass, or even bone.
If he can't name it, he'll assert
That he has found a piece of chert!

From Ghost Sheet, June 1988, via Scribe #1 V14-90

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History of Earthquakes

Earthquakes have been recorded as early as 1177 B.C. in China. Of course earthquakes have been a part of myth and legend since the dawn of man. In Greek Mythology, Poseidon (Neptune in the Roman pantheon) was "God of the Sea". Yet one of his powers was thought to be that of "earth shaker". As a tsunami is often the result of an earthquake, this was an appropriate power for a sea god.

In European history, the earliest recorded earthquake occurred in 580 B.C. In North America the great earthquakes of 1811-1812 occurred near New Madrid, Missouri. The magnitude of the quakes are not known, but they are estimated to have been about 8 on the Richter scale. There were actually three large quakes with aftershocks between and for months after. The quake was so wide-spread it was felt as far away as Boston.

The most destructive quake in U.S. history occurred in San Francisco in 1906, it caused the deaths of over 700 people. The great Alaskan earthquake of 1964 was twice as powerful, but less destructive due to the low population density of the area struck. The Chilean quake of 1960 was the biggest quake ever recorded. It came in at 9.5 on the Richter scale.

The study of earthquakes is called seismology. The earliest seismologists were the Chinese who worked hard to record their quakes in detail. They even developed a means to predict earthquakes by filling a ceramic jar to the brim with water and letting it set. If the water overflowed the jar, then an earthquake was imminent. Of course, this means of prediction was unreliable and uncertain.

It is thought that some animals may feel vibrations from a quake before humans, and that even minutes before a quake dogs may howl and birds fly erratically. However, evidence for such sensitivity by animals is purely anecdotal.

Aristotle was one of the first Europeans to create a theory about the origin of Earthquakes. He thought that they were the result of heavy winds. Not much more study was concentrated on earthquakes until the mid-1700s when London was hit by a devastating quake and a tsunami struck Lisbon, Portugal shortly after. John Mitchell in England and Elie Bertrand in Switzerland began a comprehensive study of the timing and severity of earthquakes.

Soon scientists from several countries were exchanging observations and theories on earthquakes. In the 1820s Chile became an area of interest to seismologists. After an earthquake there, it was noticed that the elevation of the coastline had changed. This was substantiated by the Captain of the H.M.S. Beagle, Robert Fitzroy. (The ship also carried Charles Darwin who was studying the flora and fauna of the coast.)

In the 1850s, Robert Mallet figured out a means to measure the velocity of seismic waves. Meanwhile, in Italy, Luigi Palmieri invented an electromagnetic seismograph, one of which was installed near Mount Vesuvius and another at the University of Naples. These seismographs were the first seismic instruments capable of routinely detecting earthquakes imperceptible to human beings.

In 1872 a U.S. scientist named Grove Gilbert figured out that earthquakes usually center around a fault line. It was after the 1906 earthquake in San Francisco that Harry Reid hypothesized that earthquakes were likely the result of a build-up of pressure along these faults.

It was about 1910 that Alfred Wegener published his theory of plate tectonics to explain volcanic and seismic activity.

Since then, seismologists have continued to work at a furious pace, building better instruments, computer models, theories and forecast to study the causes and effects of earthquakes.

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

April 2011



General Meeting

Tuesday, April 19, 2011
6 p.m. at the shop

