

ROCK TRAILS

Show



Time!!

Newsletter of the StateLine Gem and Mineral Society

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2014 Officers and Directors

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Meetings are held the first Sunday of each month
at 2:00 PM
at 201 W. Main St., Morenci, MI 49256



Treasurer's Statement

I am the treasurer of the State Line Gem & Mineral Society. As such, I pay the club bills with the funds generated by the club. I am thankful that club members have supported the club by participating in the various events throughout the year. We still have money in the checkbook and will have more funds available after the show, which is our largest fundraiser of the year.



Looking at a different definition of the word Treasurer - it could mean one who treasures something. Yes, I treasure the State Line Gem & Mineral Society. I treasure its members, current and past. All of our past experiences shape the organization we are today. It is the spirit of our founders which is still present in today's members. It is important to share that with others.

Health-wise, I believe that it has been a difficult year for a number of our members, including Richard and me. We are no longer able to do all the things for the club that we have in the past. When I became Show Chairperson for State Line, it was a considerably different event with fewer responsibilities. Now, due to the suggestions of different members, we have a much bigger and more involved show. Of course, there is always room for improvement, and that is something we should strive for. We need more member participation to move forward.

Club members will meet in Morenci at the depot at 10:00 am on Wednesday, May 28, to transport supplies and equipment to the fairgrounds in Wauseon. We will need to arrange the tables, clean the kitchen and prepare displays. Dealers are scheduled to arrive after noon on Thursday. We will have a dinner on Thursday evening to show our appreciation of their support for our club. Members are welcome to attend and bring a dish to pass.

The show hours are: Friday 12:00 pm- 7:00 pm, Saturday 10:00 am-7:00 pm, and Sunday 11:00 am-4:00 pm. I realize that we all have busy lives and must make choices how to use our time. If at all possible, please choose to help the club at the show. It is my sincere belief that you get out what you put in. Even though it involves a lot of work, we have the satisfaction of sharing our knowledge and love of rocks with others. It really is a lot of fun, plus it generates much needed funds for the club. Please donate baked goods to the kitchen. Our visitors enjoy the good food we have.

See you at the Show!



Doris Brzezicki, Treasurer, Show Chairperson

Secretary's Scoop



The State Line Gem and Mineral Society meeting came to order at 2:10 pm with Richard giving the invocation. The pledge of allegiance followed.

Secretary's report: Richard made a motion to accept the secretary's report as printed in the newsletter with a second by Phyllis. With all in favor, the motion passed.

Treasurer's report: The rent and show space have been paid, leaving minimal funds for kitchen start up, scholarship and other preparatory needs for the show. Some funds are still coming in from the dealers. Pat (kitchen chairperson) asked if pie funds are a separate expense or part of the kitchen shopping funds. Doris said a member had donated funds for the pies in the past but we are not expecting the same donation this year. Doris was confident that we would have sufficient funds for kitchen needs. Richard made a motion to accept the treasurer's report as given. The motion was seconded by Cletus and passed with all in favor.

New Business: Carl reported that there was no food for the public at the Kalamazoo show so he had to go to a restaurant to purchase food. After that, he did not feel like returning to the show so having food available made a difference to him.

Posters: Sandy delivered the new posters to Richard who brought them to the club meeting. They will need to be distributed to libraries and businesses. Hopefully, club members will step up and help with the distribution of flyers and posters. Ed said he needed to have the advertising addresses in digital form so they would not have to be retyped to send out emails. Richard said he would email the addresses to Ed from what he had on his computer.

Thanks to Linda for contacting additional dealers and allowing Doris to sell more tables this year than last year. Doris said that she has gotten a commitment from C. J. Bauschka to demonstrate wire wrapping for us since Alice and Grit can no longer do that for us. Doris thought it would be good to feature C. J. in a newspaper article. Ed asked who would write the article and Doris said she would.

Ed should have yard signs soon for distribution. He will be setting up the yellow marquee style signs at entrances to Wauseon. He will be coordinating with the county road commission to avoid any possible conflicts. Linda also updated some of our magnetic car signs to advertise the show and had them available at the meeting. Ed asked if anyone knew of local Memorial Day Parades. He thought he could use one of his vintage cars to advertise the show, too.

Glenda asked about the possibility of a 50/50 raffle. The discussion of the idea met with mixed reviews. Extra funds would be nice but there was a strong possibility of confusion since we already had a raffle going on.

Raffle tickets: Judy said she could scan the sheets of raffle tickets that Doris had brought and email them to members so that they could print them up for sale. Tickets could be mailed to members who do not have email. Doris said she usually went around to the dealers to ask for items to put in our raffle but would not be able to do that this year due to mobility problems and health concerns.

Agenda for the show:

Wednesday – Equipment and rocks, geodes, silent auction items and finished products will be taken to the fairgrounds. Tables and chairs are set up and the Kitchen is cleaned.

Secretary's Scoop

continued

Thursday – Dealers set up
— Cletus puts in security system
— Evening – Dinner for dealers and members

Show opens:
— Friday 12 -7:00 PM
— Saturday 10- 7:00 PM
— Sunday 11- 4:00 PM



Judy and Phyllis have the raffle/door prizes and admission table.

Cletus wanted a clarification on how to determine who was a dealer and who was a customer for security concerns. Doris said she usually arrives about an hour before the show to let vendors in. Linda also said she would be there early to make sure there is coffee for the vendors. Phyllis volunteered coffee cake for the vendors as a way of saying thank you. Linda brought stamps and ink pads for Phyllis and Judy to use for customers who have paid to come in.

Doris wants to promote next year's show in a program. She asked the club members for suggestions for next year's show theme. Several names were suggested and the members voted to have "Nature's Creations" as next year's theme.

Ed asked if he could have some help going through rock products for the silent auction. He said he needed one or maybe two Saturdays to complete the task.

Linda passed out information about a gathering in July at Owasso. She said it was mainly jewelry related. Glenda brought some marble slab pieces if anyone was interested in them. She would like to have help getting them out of her car.

Doris said some items need to be shuffled around the clubhouse. She won't be able to do any lifting for a while.

Ed asked about the advertising budget. Doris reviewed what the various amounts were allocated for in that area.

Phyllis asked if the funds for admission had to be kept separate from raffle funds. Doris said that Phyllis could organize the funds any way she was comfortable with. Glenda said she has a cash box Phyllis can use for the show. Bill asked about how we would figure out who has paid admission. Linda brought rubber stamps and ink pads to stamp the customers once they have paid.

Doris made a motion to adjourn. Glenda seconded and all were in favor. The meeting ended.

Mono Lake

Mono Lake is a large, shallow saline soda lake in Mono County, California, formed at least 760,000 years ago as a terminal lake in an endorheic basin. The lack of an outlet causes high levels of salts to accumulate in the lake. These salts also make the lake water alkaline.

This desert lake has an unusually productive ecosystem based on brine shrimp that thrive in its waters, and provides critical nesting habitat for two million annual migratory birds that feed on the shrimp.

The human history of Mono Lake is associated with its productive ecosystem. The native Kutzadika'a people derived nutrition from the larvae of the alkali flies that live in the lake. When the city of Los Angeles diverted water from the lake, it lowered the lake level, which imperiled the migratory birds. The Mono Lake Committee formed in response and won a legal battle that forced Los Angeles to partially restore the lake level.



Mono Lake occupies part of the Mono Basin, an endorheic basin that has no outlet to the ocean. Dissolved salts in the runoff thus remain in the lake and raise the water's pH levels and salt concentration. The tributaries of Mono Lake include Lee Vining Creek, Rush Creek and Mill Creek which flows through Lundy Canyon.

The basin was formed by geological forces over the last five million years: basin and range crustal stretching and associated volcanism and faulting at the base of the Sierra Nevada. Five million years ago, the Sierra Nevada was an eroded set of rolling hills and Mono Basin and Owens Valley did not yet exist.

From 4.5 to 2.6 million years ago, large volumes of basalt were extruded around what is now Cowtrack Mountain (east and south of Mono Basin); eventually covering 300 square miles and reaching a maximum thickness of 600 feet. Later volcanism in the area occurred 3.8 million to 250,000 years ago. This activity was northwest of Mono Basin and included the formation of Aurora Crater, Beauty Peak, Cedar Hill (later an island in the highest stands of Mono Lake), and Mount Hicks.

Mono Lake is believed to have formed at least 760,000 years ago, dating back to the Long Valley eruption. Sediments located below the ash layer hint that Mono Lake could be a remnant of a larger and older lake that once covered a large part of Nevada and Utah, which would put it among the oldest lakes in North America. At its height during the most recent ice age, the lake would have been about 900 feet deep. Prominent old shore lines, called strandlines by geologists, can be seen above Lee Vining and along volcanic hills northeast of the current lake.

Currently, Mono Lake is in a geologically active area at the north end of the Mono-Inyo Craters volcanic chain and is close to Long Valley Caldera. Volcanic activity continues in the Mono Lake vicinity: the most recent eruption occurred 350 years ago, resulting in the formation of Paoha Island. Panum Crater (on the south shore of the lake) is an excellent example of a combined rhyolite dome and cinder cone.

The limnology of the lake shows it contains approximately 280 million tons of dissolved salts, with the

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Mono Lake

continued



salinity varying depending upon the amount of water in the lake at any given time. Before 1941, average salinity was approximately 50 grams per liter (g/l) (compared to a value of 31.5 g/l for the world's oceans). In January 1982, when the lake reached its lowest level of 6,372 feet, the salinity had nearly doubled to 99 g/l. In 2002, it was measured at 78 g/l and is expected to stabilize at an average 69 g/l as the lake replenishes over the next 20 years.

An unintended consequence of ending the water diversions was the onset of a period of “meromixis” in Mono Lake. In the time prior to this, Mono Lake was typically “monomictic”; which means that at least once each year the deeper waters and the shallower waters of the lake mixed thoroughly, thus bringing oxygen and other nutrients to the deep waters. In meromictic lakes, the deeper waters do not undergo this mixing; the deeper layers are more saline than the water near the surface, and are typically nearly devoid of oxygen. As a result, becoming meromictic greatly changes a lake's ecology.

Mono Lake has experienced meromictic periods in the past; this most recent episode of meromixis, brought on by the end of the water diversions, commenced in 1994 and had ended by 2004.

In order to provide water needs for the growing city of Los Angeles, water was diverted from the Owens River into the Los Angeles Aqueduct in 1913. In 1941, the Los Angeles Department of Water and Power extended the Los Angeles Aqueduct system farther upriver into the Mono Basin. So much water was diverted that evaporation soon exceeded inflow and the surface level of Mono Lake fell rapidly. By 1982 the lake was reduced to 37,688 acres having lost 31 percent of its surface area of 1941. As a result alkaline sands and formerly submerged tufa towers became exposed, and Negit Island became a peninsula, exposing the nests of sea gulls to predators (such as coyotes), and forcing the sea gull colony to abandon this site.

In 1974, Stanford University graduate student David Gaines studied the Mono Lake ecosystem, and he became instrumental in alerting the public of the effects of the lower water level. Gaines formed the Mono Lake Committee in 1978. He and Sally Judy, a UC Davis student, led the committee and pursued an informational tour of California. They joined with the Audubon Society to fight a now famous court battle, the National Audubon Society v. Superior Court, to protect Mono Lake through state public trust laws. While these efforts have resulted in positive change, the surface level is still below historical levels, and exposed shorelines are a source of significant alkaline dust during periods of high winds.

Owens Lake, the once-navigable terminus of the Owens River which had sustained a healthy ecosystem, is now a dry lake bed during dry years due to water diversion beginning in the 1920s. Mono Lake was spared this fate when the California State Water Resources Control Board issued an order to protect Mono Lake and its tributary streams on September 28, 1994. Since that time, the lake level has steadily risen.



Upcoming Events

May 30- June 1, 2014

Wauseon OH

State Line Gem & Mineral Society Annual Show
; Fulton County Fairgrounds; Junior Fair Bldg.,

8514 State Rte. 108

; Fri. 12-7, Sat. 10-7, Sun. 11-4;

adults \$3, seniors \$2,

children free

dealers, demonstrations, classes



June 7-8, 2014

Kalamazoo, MI

MGAGS Rockhound Weekend!

Workshops, demos, hands on various topics;

Rood Hall, Western Michigan University

advance tickets adults: \$15.00 per day

or \$25 for both days

For More Information www.mgags.org

or call 231-740-5512

June 7-8, 2014

Mansfield, Oh:

Annual show;

Richland Lithic & Lapidary Society

; Richland County Fairgrounds;

750 N. Home Rd., Arts and Crafts Bldg.;

Sat. 10-6, Sun. 11-5; adults \$4,

seniors and children (6-16) \$3

Opals Agates Amethyst: 11 dealers,

silent auctions, speakers,

geode breaking, demonstrations,

hourly door prizes,

museum-quality agate displays;

June 27-29, 2014

BEDFORD, IN.

Lawrence County Rock Club

49th Annual Gem, Mineral, & Fossil Show

Lawrence County Fairgrounds

Fri. 10-6:30, Sat. 9-6:30, Sun. 10-4.

August 5-9, 2014

HOUGHTON, MI

and surrounding area

Keweenaw Mineral Days

hosted by the A.E. Seaman Mineral Museum,

Keweenaw Gem & Gift and Red Metal Minerals.

Museum is at Michigan Technological University

1404 E. Sharon Ave., Houghton.

September 5-7, 2014

TOLEDO, OH.

Toledo Gem & Rockhound Club

Jewelry, Gem & Mineral Show & Sale

Stranahan Great Hall

4645 Heatherdowns Blvd.

Toledo

Fri. 2-8, Sat. 10-6, Sun. 11-5; Adults \$4,

Students & seniors \$3.50,

Children under 12 & scouts in uniform free



Rock Trails

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Meetings are held the
first Sunday of each month
at 2:00 PM
at 201 W. Main St.,
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