

# Livermore



# Lithogram

Livermore Valley Lithophiles

Livermore, CA

## Next General Meeting

**Sept 8, 2016**

**7:30 pm**

Community Room  
Civic Center Library

**Program:** Suiseki, or Viewing Stones by Rich Hunt. Please bring any viewing stones you have for show & tell.

**Refreshments: ?**

## Next Board Meeting

Thursday, TBA

7:30pm at the Shop

All Members are welcome to attend!

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## President's Message:

Club members, I'm not sure many of you may be aware of an exceptional museum in Phoenix, Arizona known as the Heard Museum of American Indian Art and History. One of the most delightful parts of a visit there are the extensive and artistic collections of Native American jewelry-making from all the major Indian peoples of the American southwest. There is case after case of beautiful works from inlaid stone, to intricate beading patterns, to beautiful silversmithing. For those who travel to Tucson and have not been to the Heard, I encourage a stop on the way there or way back. It is time well worth spent.



Our summer hiatus is over and the fall approaches. As usual we need volunteers to help out with organizing or recruiting speakers or activity leaders for our monthly general meeting programs. We also have a new 4H project season starting and we are looking for someone who likes to teach kids lapidary and is willing to train as a 4H leader. Not much time and effort is required and the teaching is rewarding. Lastly, come January we will need to elect new officers and the current officers will be recruiting their replacements.

# State Fossils

## Florida State Fossil

Bill Beiriger

***Eupatagus antillarum* or *E. floridanus***, These are members of the Sea Urchins family. This group of sea urchins can burrow into the sand unlike the sea urchins that are symmetrical which can only live on the surface of the sand.

They were Middle Eocene age, 36 million years old and are from the Inglis Formation, and are found in Inglis & Yankeetown, Florida.



There is NO official State Fossil for Florida. Even though some people list fossil coral as the state fossil, which it is not, it is the State Stone. This material is great for use in the lapidary arts.

The fossil (Stone) is ***Montastrea* sp.** It is from Oligocene-Miocene period and ranges in age from 26-23 million years old.



# Lithophiles Photos



**Lithophile Picnic**



**Shop was so full on a Tuesday afternoon we had to fire up the pixie.**



**Filling the bags for the San Leandro Library**



## Summer Pre-School Presentation:

### Bill Beiriger

I was contacted by Livermore Parks Department about doing a presentation on California Geology. This California Geology presentation was for their Pre-School summer program, for 3 and 4 year olds, yes, 3 and 4 year olds, not 3rd & 4th graders.

I was told that I could probably keep their attention for about 15 minutes, but because of the hands on material and a volcano I kept their interest for about 20 minutes. I then had time for questions and comments from them that took up another 5 minutes.

I started with a map of California showing, and telling the children about, the highest and lowest points in California. I also told them that the same points were the highest and lowest points in the Contiguous United States. After I used the words Contiguous and Continental, I learned from the staff that they had already learned about the Contiguous and Continental United States. With that information I then went a little further and told them the United States has higher mountains in Alaska.

I then had photos of Mt. Whitney and Bad Water in Death Valley for them to look at.

Then I started with my first major topic, Volcanoes. I showed photos of different types of volcanoes; I gave them different types of volcanic rocks to pass around as we talked about each photograph. As they looked at each rock I told them to feel how heavy and light the different types of lava are; I then put a piece of pumice in water so they could see that some rocks can float on water.

I ended the volcano presentation with a Baking Soda, Citric Acid and Water volcano. The baking soda contained dry red food dye that made the volcano more realistic. With this system the volcano is not activated until water is added. I like this system better because there is no smell from the vinegar that is used in most volcano models.

The second topic was Caves. I told them how caves are formed and then explained how stalactites and stalagmites are formed. I showed pictures of different cave formations including: Bacon or Flowstone Curtains, Soda Straws, Flat Plates and Shield Formations.

I then explained that caves are very dark inside and they can have rivers and lakes in them. They then told me that caves have Bats, Bears and other animals

living in them that can be dangerous to us. I then passed around a small stalactite for them to look at.

The last subject was California Fossils. We talked about Trilobites, Ammonites, Saber Toothed Cats and Mastodons. I had a couple of small fossils they passed around and then I took a Mastodon tooth and a Saber Toothed Cat tooth around for them to touch.



[https://upload.wikimedia.org/wikipedia/commons/6/63/Kainops\\_invius\\_lateral\\_and\\_ventral.JPG](https://upload.wikimedia.org/wikipedia/commons/6/63/Kainops_invius_lateral_and_ventral.JPG)

I wanted the park department personal to take a couple of photos of the presentations without the student's faces showing for use in the Lithogram, but they are not allowed to do it. So! No Photo.

I enjoyed this program so much that I volunteered to bring some of my beetle and butterflies in for a presentation on "BUGS, BUGS, BUGS", it was received by the children with the same enthusiasm as the "California Geology" session. The children had a chance to pass around a cocoon for a Silk Moth. Each cocoon contains enough silk to stretch the length of three football fields. I had a couple of drawers of very colorful beetles and a drawer of butterflies.

I enjoyed these groups so much that I may work on the program for next year and may even extend my part of the project.

I found that the three and four year olds were more interested in the presentations than most of the Cub Scout groups I have given presentations to.

# Beading Buddies



There were 11 people for the BBQ on September 3rd and 7 beaders (or 8 if you include my sister Mary who Skypes in with us to bead). The project will take another meeting to finish but here's one in progress.



# California Shows & Events

## **September 16 - 18:** PLACERVILLE, CA

77th CFMS Show & Convention  
Hosted by El Dorado County Mineral & Gem Society

El Dorado County Fairgrounds  
100 Placerville Drive

Hours: Fri - Sun 10 - 5 daily

Contact: Barbara Terrill, 530 676-2375

Website: [www.cfms2016show.com](http://www.cfms2016show.com)

## **September 24 - 25:** MONTEREY, CA

Carmel Valley Gem & Mineral Society  
Monterey Fairgrounds

2004 Fairgrounds Road

Hours: Sat 10 - 6; Sun 10 - 5

Contact: Janis Rovetti, (831) 372-1311

Email: [janis12@sbcglobal.net](mailto:janis12@sbcglobal.net)

Website: [www.cvgms.org](http://www.cvgms.org)

## **September 24 - 25:** SANTA ROSA, CA

Santa Rosa Mineral & Gem Society

Wells Fargo Center for the Art

50 Mark West Springs Road

Hours: Sat 10 - 6; Sun 10 - 5

Contact: Jolene Coon

Website: [www.srmgs.org](http://www.srmgs.org)

## **September 24 - 25:** LODI, CA

Stockton Lapidary & Mineral Club

Lodi Grape & Harvest Festival Grounds

413 East Lockford Street

Hours: 10 - 5 daily

Contact: Jerold Kyle, (209) 368-9411

Email: [jeroldkyle@yahoo.com](mailto:jeroldkyle@yahoo.com)

Website: [www.stocktonlapidary.com](http://www.stocktonlapidary.com)

## **September 24 - 25:** REDWOOD CITY, CA

Sequoia Gem & Mineral Society

Community Activities Building

1400 Roosevelt Avenue

Hours: 10 - 5 daily

Contact: Catherine Fraser, 650-954-6020

Email: [catherinef@fraseradv.com](mailto:catherinef@fraseradv.com)

Website: [www.sequoiagemandmineralsociety.org](http://www.sequoiagemandmineralsociety.org)

## **October 8 - 9:** GRASS VALLEY, CA

Nevada County Gem & Mineral Society

Nevada County Fairgrounds (Main Building)

11228 McCourtney Road

Hours: 10 - 5 daily

Contact: Todd Lawson, (530) 305-9212

Email: [webmaster@ncgms.org](mailto:webmaster@ncgms.org)

Website: [www.ncgms.org](http://www.ncgms.org)

## **October 22 - 23:** LOS ALTOS, CA

Peninsula Gem & Geology Society

Los Altos Youth Center

One No. San Antonio Road

Hours: 10 - 5 daily

Contact: Steve Jobe, (408) 834-5384

Email: [steve\\_job@sbcglobal.net](mailto:steve_job@sbcglobal.net)

Website: [www.pggs.org](http://www.pggs.org)

## **November 12 - 13:** SACRAMENTO, CA

Sacramento Mineral Society

Scottish Rite Temple

6151 H Street

Hours: Sat 10 - 5 daily

Contact: Alyssa Mesiznger, (916) 662-5819

Email: [webadmin@sacramentomineralsociety.org](mailto:webadmin@sacramentomineralsociety.org)

Website: <http://sacramentomineralsociety.org>

## **November 19-20:** LIVERMORE, CA

Lithorama 2016, Livermore Valley Lithophiles

The Barn

3131 Pacific Ave.

Saturday, 10 - 5, Sunday, 10 - 4

website: [www.lithophiles.com/lithorama.html](http://www.lithophiles.com/lithorama.html)

## Livermore Valley Lithophiles

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We're on the Web at [www.lithophiles.org](http://www.lithophiles.org) & [www.facebook.com/Lithophiles/](https://www.facebook.com/Lithophiles/)

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## Elected Officers & Club Information

### Elected Officers:

**President** Lee Davisson  
[leedavisson@sbcglobal.net](mailto:leedavisson@sbcglobal.net)  
**V. President** Stephanie Goldsmith  
**Secretary** Molly Alexander (925) 606-6977  
**Treasurer** Bill Bish ( [bcbish@att.net](mailto:bcbish@att.net) )

**Membership:** The Livermore Valley Lithophiles invites to its membership anyone genuinely interested in minerals, gems, lapidary, geology or any of the other earth sciences, and who desires association with others of like interests. Membership in our club consists of three classes: Senior, anyone eighteen years or older; Junior, anyone under eighteen; and Honorary. Dues are for the calendar year and are as prescribed in the by-laws, Article III. \$25.00 per family, \$20.00 per individual and \$10.00 for Juniors (twelve and younger.)

**Meetings:** General Meeting – Second Thursday of each month, 7:30 p.m. Civic Center Livermore Library Community Room (**Locations change go to Lithophiles WEB-SITE**). Board Meeting – Fourth Thursday of each month, 7:30 p.m. at the Club Shop or to be announced in the *Lithogram*. Any special meetings or places will be published in the *Lithogram*.

**Club Shop:** The shop at the Barn is open to club members 7:00 p.m. to 10:00 p.m.. on Tuesday nights. If no one arrives by 7:30 p.m. or if the Shop Foreman has not been informed a member will arrive late, then the shop will close at 7:30 p.m. Shop Foreman, Stephanie Goldsmith (925) 447-1722.

**Field Trips:** Location and date will be published in the *Lithogram*.

**Bulletin:** *Livermore Lithogram*. Published monthly and mailed or emailed to active members and guests. News of interest, reports and articles must be received by the first Tuesday of the month. Articles may be reprinted by giving proper credit.

### Editor:

Jenny Siders,  
email: [jenny.siders@me.com](mailto:jenny.siders@me.com)