

Livermore



Lithogram

Livermore Valley Lithophiles

Livermore, CA

Next General Meeting

April 14, 2016

7:30pm

Community Room
Civic Center Library

Program: Morenci Mine, AZ
by Lee Davisson

Refreshments:

Next Board Meeting

Thursday, TBA

7:30pm at the Shop

All Members are welcome
to attend!

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President's Message: Art and Earth

Since 1972 satellites have taken spectacular images of Earth. This has primarily occurred under the Landsat program. The latest version is Landsat 8 launched in 2013. Images are collected in multi-band spectrums that are reconstructed in beautiful multi-color images reflecting different compositions of the Earth's surface. Recently NASA and the US Geological Survey have launched a website reflecting on the artistic attributes of the Landsat images. You can find here http://eros.usgs.gov/sites/all/files/external/eros/exhibit_guide.html

I encourage you to explore these images and admire the scientific accomplishment while enjoying the beauty of Earth surface images.



http://eros.usgs.gov/sites/all/files/external/eros/exhibit_guide.html

State Fossils

California State Fossil

Bill Beiriger

Smilodon californicus, Saber-toothed cat, the name was changed to *Smilodon fatalis*, because it already had been identified from an earlier find.

Smilodon; was adopted by the California State Legislature in 1973 as the official California State Fossil. There was a political fight over the State Fossil; some wanted the *Smilodon* while others wanted a trilobite. The trilobite was one of earliest fossils found in the state. The trilobite is from the Marble Mountains in the Mojave Desert. *Olenellus clarki* would have been a great fossil that lived during the Lower Cambrian Period about 520 million years ago. The trilobite lost because the politicians wanted the Saber Toothed Cat, because children would love an animal that was easier to relate to.

Since it was adopted fossil evidence indicates that this member of the cat family with 8-inch upper canine teeth was about a foot shorter than a modern lion, but weighed nearly twice as much. This meat-eater was very common in California and lived here until about 12,000 years ago. Saber-toothed cats roamed most of North America, Europe and South America. They lived during the Pleistocene age about 2.6 million years ago to 12,000 years ago. The indigenous people of North America lived here at the same time as the Saber-tooth.

In early textbooks, encyclopedias, coloring books and other books the fossil was listed as a Saber-toothed Tiger, it was NOT a Tiger, but it did belong to the Cat family, most books have corrected this information.



Smilodon fatalis, Smithsonian Museum

Minutes of General Meeting

March 10 2016

No corrections for March 2016 Lithogram.

Shop: An engineer said that an extra circuit is needed for the heater because there is no space on the breaker panel. State public utilities requires insulation. LARPD wants to know how much Lithophiles will pay for heater. Heater = \$3600 Lithophiles will pay 20% = approximately \$750. Need permits from city and state public utilities. Northern California Geological Society will pay for half of the two Bruntons.

Field trip: Saturday, March 12, 2016, Turlock Gem and Mineral Show and the fossil museum in Chowchilla.

Membership: 2016-- 27 members paid. 2015 - 44 members paid. **Dues are due!**

School Report: Bill Bish led a fossil excavation on March 9, 2016 at Sunset Elementary School. Bill Beiriger will be doing presentations for Boy Scout Troops and Cub Scout Packs this spring.

The club donated \$500 to the science specialists in the Livermore Valley elementary schools. Lee Davisson is filling out a minigrant form to request matching funds from the local Rotary club.

Bill Beiriger did a presentation on Micro-Mount Minerals.

State Fossils Story

from magazine

William Beiriger

I see I am not the only individual interested in State Fossils, the below web page address is from an article in The Atlantic Magazine for 17 March 2016. Hopefully the story will still be active with this newsletter.

<http://www.theatlantic.com/science/archive/2016/03/the-weird-stories-behind-the-official-state-fossils/474117/>.

Beading Buddies



Beading Buddies will meet on **SUNDAY, April 24, 1-4 pm** at Dick and Andrea's, 787 Joyce St., Livermore. Our next project will be a bracelet pattern, Layers of Brilliance (shown below). Please print out the instructions (contact Pat for a pdf), bring your beading mat and needle.

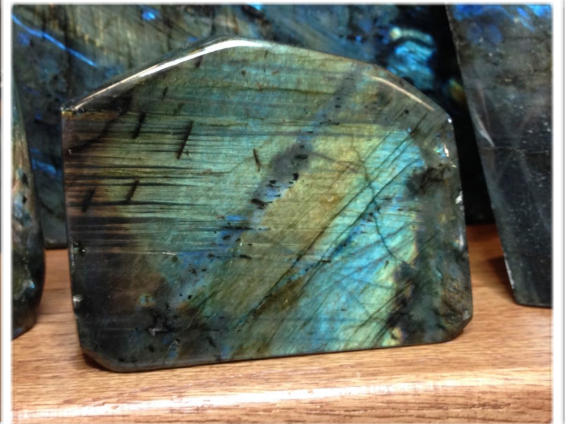
Andrea and I are going to attend the Bead Society of No. CA bead show in Richmond on Saturday, April 16. If you are interested in going with us, let me know.

Pat

Lithophiles Out and About!



Photos at the Castro Valley Show provided by Bill Bish & Jenny Siders



California Shows & Events

UNEARTHED: Found + Made

Exhibition at the Oakland Museum of CA
museumca.org/exhibit/uneearthed-found-made
 Dec 12, 2015 -April 24, 2016

April 9 - 10: MARIPOSA, CA

Mariposa Gem & Mineral Society

Mariposa County Fairgrounds
 5005 Fairgrounds Road (south of Mariposa on Hwy49)

Hours: Sat 10 - 6; Sun 10 - 4
 Contact: Martin Fodin, (209) 742-4036
 Email: martin@safarigold.com
 Website: www.camineralmuseum.com

April 16-17: SAN JOSE, CA

Santa Clara Valley Gem & Mineral Society

Santa Clara County Fairgrounds
 334 Tully Road

Hours: 10 - 5 daily
 Contact: June Harris, 408-265-1422
 Email: info@scvgms.org
 Website: www.scvgms.org

May 7 - 8: JACKSON, CA

Amador County Gem & Mineral Society

Kennedy Mine
 12594 Kennedy Mine Rd (off Hwys 49/88)

Hours: 10 - 4 daily
 Contact: Gaylene Lichty, (209) 245-5388
 Email: mountaingirl@volcano.net
 Website: www.amadorgemandmineral.org

August 13 - 14: SAN FRANCISCO, CA

San Francisco Gem & Mineral Society
 San Francisco County Fair Building
 9th Avenue & Lincoln Way

Hours: Sat. 10 - 6; Sun. 10 - 5
 Contact: Ellen Nott, (415) 564-4230
 Email: ellen_nott@yahoo.com
 Website: www.sfgemshow.org

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

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: janisr12@sbcglobal.net
 Website: www.cvngms.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

Livermore Valley Lithophiles

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We're on the Web at www.lithophiles.org & www.facebook.com/Lithophiles/

Elected Officers & Club Information

Elected Officers:

President Lee Davisson
leedavisson@sbcglobal.net
V. President Stephanie Goldsmith
Secretary Molly Alexander (925) 606-6977
Treasurer Bill Bish (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

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.

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