



Next General Meeting

March 10, 2016

7:30pm

Community Room
Civic Center Library

Program: Micromounts

Refreshments: Bill Beiriger
and Jane

Next Board Meeting

Thursday, TBA

7:30pm at the Shop

All Members are welcome
to attend!

Time to Pay Dues!

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President's Message: This Month in the History of Geology

Here's some historical trivia notes to consider this month:

March 1st 1872 Yellowstone National Park became the first national park by Ulysses S. Grant's signing of the legislation.

March 2nd 1933, a magnitude 8.4 earthquake struck off the coast of Japan causing a large tsunami that killed 3000 people on land.

March 23rd 1769 William Smith was born. He was the first to produce a geologic map based on a definitive rock classification scheme. Unfortunately he was never recognized for his contribution until late in life after he was driven in debt and plagiarized.

March 30th 1759 Giovanni Arduino proposed the four layers of Earth's crust with three becoming a modern chrono-sequence of the Paleozoic, Mesozoic, and Tertiary ages and the fourth being volcanic rocks.

And last in **March 1913**, Arthur Holmes published his complete geological timescale based on radiometric age dating.

Also, this month there are two gem and mineral shows coming up, March 5-7 is the Castro Valley show and March 12-13 is the Turlock show. Lithophiles planning to go to either make sure you where your club tee-shirts.



State Fossils

Arizona, Louisiana & North Dakota State Fossils

These states all have Petrified Wood as their State Fossils.

Bill Beiriger

Araucarioxylon arizonicum, is an extinct species of conifer, it became the State Fossil of Arizona in 1988. The fossil lived in the Triassic period from 200 – 250 million years ago and is from the Chinle formation of northern Arizona. The Arizona woods may actually be three different Genus and Species of wood and not all may be *Araucarioxylon arizonicum*.

Palmoxylon sp. Is a genius of palm wood it is the Louisiana State Fossil. There are about 200 species of *Palmoxylon* of which all are extinct; there are at least 7 species of *Palmoxylon* found in the formation. The fossils are found in the Catahoula Formation that is present in Louisiana, Mississippi and Texas. The Catahoula fm. dates to the Early Cretaceous period about 140 million years old. This wood became the Louisiana State Fossil in 1976.

Teredo sp., Teredo, this petrified wood is the State Fossil for North Dakota. The petrified wood is not a type of wood but is a genus of a bivalve mollusk that bores into wood creating damage to the structure; this damage is present in the fossilized wood. These bivalves lived in warm swamps that became the Cannonball formation of Paleocene Epoch, from 60 to 80 million years ago. The wood became the North



Beading Buddies

We will meet on Saturday, March 26, 1-4 pm at my house, 889 Waverly CMN, Livermore. There will be a new project to be determined (I will figure that out soon.)

Attendees at the last session: Jane, Chris, and Eric. My sister, Mary, was here also. This was a "bring your own project or complete an unfinished one" meeting.



Gem Faire will be at the Alameda County Fairgrounds, March 11, 12-6pm, March 12, 10-6pm, March 12, 10-5pm.



Minutes of General Meeting

February 11, 2016

Correction to minutes of January 14, 2016: Bill Beiriger is not the coordinator of the Science Odyssey. He is a participant.

A new gas heater to hang from the shop ceiling will cost \$3600.
Dues are due!

Shop: Flat lap was left with water so is not badly pitted. Heater cannot leave the propane tank in the shop. It must be outside when operating.

There are new 4-H Club members and they are doing well in the shop. Home-study students use the shop every other week.

There are approximately 20 rock clubs in the Bay area and they each arrange one field trip a year. President Lee Davisson encourages members to attend rock and mineral shows in the Bay area. The next meeting for the San Jose club is April 9. Antioch Rock and Mineral Show – February 20-21.

cfmsinc.org

Science Odyssey – Thursday, February 18, 2016, Junction School, Room 8, 4:00-7:00 pm.
\$500 was donated to the science teachers at Livermore Valley elementary schools. The club is looking for a donation match.

Beading group meets Saturday, February 13 from 1:00-4:00 pm.
Bill Beiriger and Jane will provide refreshments at next meeting – March 10, 2016.

Minutes of Board Meeting

February 25, 2016

Attendance: Lee Davisson, Bill Bish, Bill Beiriger, Molly Alexander, Stephanie Goldsmith, Marilyn Janzen

\$3600 quote for new shop heater. Bill Beiriger has not heard from LARPD on whether they will buy it or not.

The Club donates \$500 each year to the science specialists in the Livermore Valley elementary schools. The teachers can spend the money individually or combine it with other teachers to buy science items. Lee Davisson will be asking the Rotary Club for a matching donation. Livermore Valley Education Foundation may also match the \$500.

The Science Odyssey was successful.

Dues – 27 members have paid their dues. Check the club roster in e-mail to see if you have paid your dues.....

A field trip to the Turlock Rock and Mineral Show and the paleo museum in Merced was suggested. The Turlock show is March 12-13, 2016. Katie Herrmann will do the planning.

Stephanie Goldsmith is trying to locate all shop keys. Key owners have to sign contract. The main point of it being that one cannot use the shop during off-hours or while alone.

Bill Beiriger is ordering two Bruntons . The cost is \$279 each, total = \$558.

Science Odyssey 2016

Bill Beiriger

Science Odyssey is over for another year. The Lithophiles shared a room with three other groups and none of them had live animals. I wish to thank Lee Davisson for his help to make the project work. I had hoped to have at least two other members so we could have given out polished stones and help with information about the Lithophiles.

Our fun project for the evening was making rubbings from ceramic tiles that contained fossil imprints. The students made a rubbing to take home, most of the younger students had a lot of fun making the rubbings.

I also had a display of fossils for the students and parents to look at. The display contained fossils of a fish, pinecone, dinosaur vertebrae, shrimp, leaf and several others items.

Even though he was not part of the hands on area, Bill Bish was one of the Science Project Judges.

So, thank you Bill Bish and Lee Davisson.



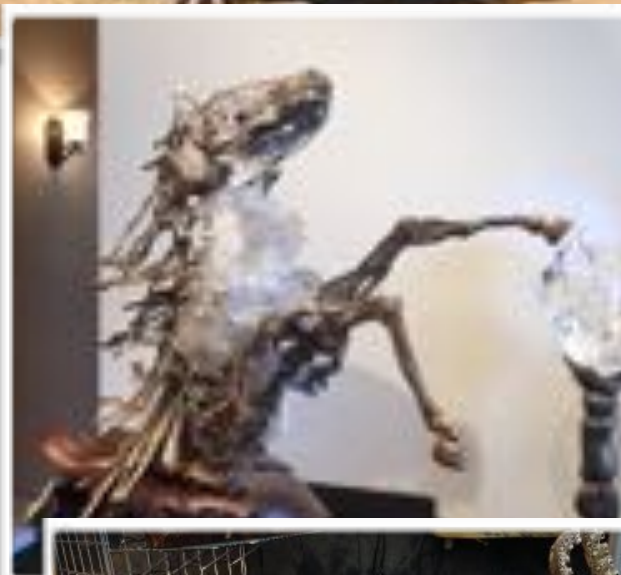
Tucson Show 2016



photos by Bill Bish

Tucson Show 2016

Top 3 photos by Andrea Rodriguez



Bottom 2 photos by Bill Bish

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

March 4 - 6: NEWARK, CA

Mineral & Gem Society of Castro Valley

Newark Pavilion
 6430 Thornton Avenue
 Hours: Fri & Sat 10 - 6; Sun 10 - 5
 Contact: Cathy Miller, (510) 887-9007
 Email: showchair@mgscv.org
 Website: www.mgscv.org

March 12 - 13: TURLOCK, CA

Mother Lode Mineral Society,

ModestoStanislaus County Fairgrounds
 900 North Broadway
 Hours: 10 - 5 daily
 Contacts: Bud & Terry McMillin, (209)
 524-3494
 Email: Bud.mcmillin.b7yj@statefarm.com
 Website: www.motherlodemineralsociety.com

March 26 - 27: ANGELS CAMP, CA

Calaveras Gem & Mineral Society

Calaveras County Fairgrounds
 101 Frogtown Road
 Hours: Sat 10 - 5; Sun 10 - 4
 Contact: Robin Williams, (209) 728-8277
 Email: robinski@yahoo.com
 Website: www.calaverasgemandmineral.org

March 26- 27: ROSEVILLE, CA

Roseville Rock Rollers Gem & Mineral Society

Placer County Fairgrounds
 800 All American Blvd (off Washington)
 Hours: Sat 10 - 5 daily
 Contact: Gloria Marie, (916) 216-1114

Email: gloriarosevillerockrollers@gmail.com
 Website: www.rockrollers.com

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

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 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:

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