



### Next General Meeting

**Jan. 12th, 2016**

**6:00 pm**

Community Room  
Civic Center Library

**Program:**

**Refreshments:** Lee Davisson

### Next Board Meeting

TBA.

All Members are welcome  
to attend!

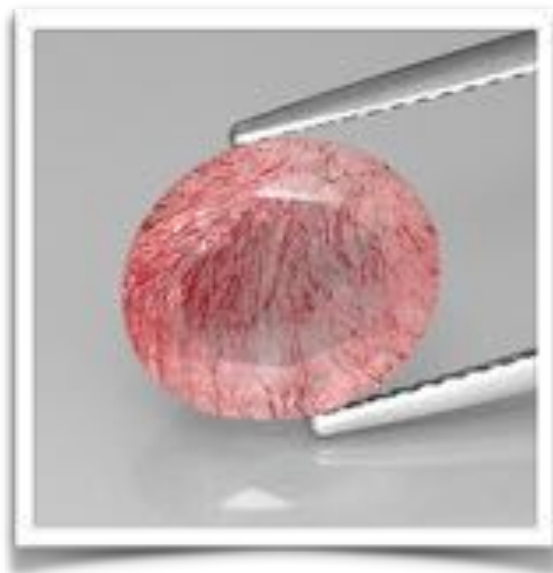
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## Strawberry Quartz

by Lee Davisson

A lapidary favorite is the mineral referred to as Strawberry Quartz, which has a beautiful reddish color imparted by inclusions of hematite. As illustrated, macro-inclusions provide an unusual stringy texture to the mineral, whereas the preferred variety has micro-inclusions that make the mineral more uniformly pinkish to dark reddish color. However, these inclusions still create a sparkly iridescence to a polished crystal. Three principle collection sites are in Mexico, Morocco, and Kazakhstan. Crystal sizes tend to be less than 2 inches, with crystal clusters over 6 inches. Given the quartz composition, hardness of the material lends itself readily to shaping and polishing. Cabochons of all shapes have been made into beautiful jewelry pieces. Star patterns have been created by cutting the mineral along a termination face.



<http://www.gemselect.com/strawberry-quartz/strawberry-quartz-273472.php>

**It's Time to Pay Your 2017 Dues!**

# State Fossils

## Kansas State Fossil

Bill Beiriger

Kansas has two state fossils, one is the State Fossil and the other is the State Flying Fossil. Both of the fossils are from the Niobrara Formation of Mesozoic Era. (140 to 70 million years ago).

***Tylosaurus kansasensis***, renamed ***T. nepaeolicus***, *kansasensis* has been found to be a juvenile *nepaeolicus*. Late Cretaceous, many were more than 40 feet long and weighted as much as 14,000 pounds. They are members of the **mosasaur** group. First found in Monument Rocks, Kansas in 1868.

Tylosaure's were closely related to our modern monitor lizards and have been found with Plesiosaurs in their stomach.



***Pteranodon longiceps***, was a toothless flying reptile with a 20' wingspan, males were about 30% larger than females. They had air filled bones that were adapted for flight.



They were Late-Triassic with an age of 87 – 82 mya. Almost all of the remains of Pteranodons came from the Smoky Hill Chalk deposits of the Niobrara Formation of western Kansas and was part of a very large Western Interior Seaway, see Map on next page. The seaway covered an area from Texas, New Mexico, Kansas, Nebraska and N. & S. Dakota all the way to what is now the Arctic Ocean.

Tylosaurus and Pteranodon became the Kansas State Fossils in 2014.



Inland seas 100 mya

## Minutes of the Lithophile Meeting

December 8, 2016

Holiday potluck dinner began at 6:00 pm, followed by gift exchange and bingo.

43rd Lithorama attendance

≈370 Adults

≈160 Children

530 = One-half attendance from previous year

Postcards used for admittance to Lithorama

from: Mineralogical Research – 18

Elementary Schools – 4

Livermore Patch – 3

Facebook - 3



Livermore Valley Joint Unified School District did not distribute Lithorama postcards via e-mail to the schools. Next year Bill Beiriger will deliver hard copies of postcards to all science teachers as done in previous years.

Printing postcards costs ≈ \$150

Nominated for President – Lee Davisson

Vice-President – Stephanie

Goldsmith

Secretary – Molly Alexander

Treasurer – Bill Bish

All voted in favor.



## Joe Bruns

Past member Joe Bruns passed away on December 9, 2016 at the age of 83. Joe and his wife Evelyn were long time members of the Lithophiles. Joe was married to Evelyn for 61 years.

Joe enjoyed collecting rocks and cutting and polishing them into jewelry and other lapidary projects. Joe also enjoyed camping, classic cars, motorcycling, ceramics and leatherwork.

Joe and Evelyn moved from Livermore to the Masonic Home in Union City.





## Beading Buddies

There will be two beading sessions in January, Saturday 1/14 and Friday 1/20, 1-4pm. There won't be any new projects. These sessions will give you a chance to complete unfinished projects or start one of your choosing. Beginning next year for new projects, I'm asking that you purchase your own supply of Fireline. I suggest you buy 6 lb. and 8 lb. in crystal and smoke. If there are group projects you need to finish, I will provide the Fireline to complete those. You can try to find Fireline at Bass Pro, Big Five, and Dick's but it is hit or miss on finding it in the weight you want. There are a number of web sites that have it. If you have project suggestions that you would like to take the lead on, let me know. Looking forward to seeing both new and continuing beaders!

- Pat



Photos from the Hudson River, NY sent in by Bill Bish

# Lithorama 2016



Some more photos of this year's Lithorama.

- Thanks to Bill Bish for sending them in.

# California Shows & Events

## **January 21 - 22: EXETER, CA**

Tule Gem & Mineral Society, Visalia  
 Exeter Veterans' Memorial Building  
 324 N. Kaweah Avenue  
 Hours: Sat 10 - 5; Sun 10 - 4  
 Contact: Laura Manser (559) 303-0632  
 Email: ldriggs5@gmail.com  
 Website: [www.tulegem.com](http://www.tulegem.com)

## **February 18 - 19: ANTIOCH, CA**

Antioch Gem Club  
 Contra Costa County Fairgrounds  
 1201 West 10th Street  
 Hours: 10 - 5 daily  
 Contact: Brenda Miguel, (925) 301-6957  
 Email: brenda.miguel@yahoo.com  
 Website: [www.antiochlapidaryclub.com](http://www.antiochlapidaryclub.com)

## **February 25 - 26: VALLEJO, CA**

Vallejo Gem & Mineral Society  
 Solano County Fairgrounds, Mc Cormack Hall  
 900 Fairgrounds Drive  
 Hours: 10 - 5 daily  
 Contact: Dan Wolke, 707 334-2950  
 Email: dncwolke@sbcglobal.net  
 Website: [www.vjgems.org](http://www.vjgems.org)

## **March 3 - 5: 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) 305-4196  
 Email: showchair@mgscev.org  
 Website: [www.mgscev.org](http://www.mgscev.org)

## **March 11 - 12: SPRECKELS, CA**

Salinas Valley Rock & Gem Club  
 Spreckel's Veteran's Hall  
 5th & Llano Streets  
 Hours: 10 - 5 daily  
 Contact: Gary Beck, (831) 679-2896  
 Email: garybeckpca@yahoo.com  
 Website: [salinasrockandgem.pagecloud.com](http://salinasrockandgem.pagecloud.com)

## **March 11 - 12: TURLOCK, CA**

Mother Lode Mineral Society, Modesto  
 Stanislaus County Fairgrounds  
 900 North Broadway  
 Hours: 10 - 5 daily  
 Contacts: Bud & Terry McMillin, (209) 484-4416  
 Email: terry.mcmillin@yahoo.com  
 Website: [www.motherlodemineralsociety.com](http://www.motherlodemineralsociety.com)

## **March 25 - 26: ROSEVILLE, CA**

Roseville Rock Rollers Gem & Mineral Society  
 Placer County Fairgrounds  
 800 All American City Blvd (off Washington)  
 Hours: Sat 10 - 5; Sun 10 - 4  
 Contact: Gloria Marie, (916) 216-1114  
 Email: gloriarosevillerockrollers@gmail.com  
 Website: [www.rockrollers.com](http://www.rockrollers.com)

## **March 25 - 26: ANGELS CAMP, CA**

Calaveras Gem & Mineral Society  
 Calaveras County Fairgrounds  
 101 Frogtown Road  
 Hours: Sat 10 - 5; Sun 10 - 4  
 Contact: Dave Muster (209-518-8795) or Anna  
 Christiansen (209-847-1173)  
 Email: annachristiansen7132@comcast.net  
 Website: [www.calaverasgemandmineral.org](http://www.calaverasgemandmineral.org)



## 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)