



Next General Meeting

June 8, 2017

7:30 pm

Community Room
Civic Center Library

Program: Film: Mineral Explorers.

Refreshments: Molly Alexander

Next Board Meeting

4th Thursday of the month at the Shop. June 22, 7pm in the shop.

All Members are welcome to attend!

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Monthly Mineral - Rhodochrosite

by Lee Davisson



Rhodochrosite is manganese carbonate ($MnCO_3$) in its pure form with a deep rose color, but often it occurs with impurities. Rhodochrosite forms a solid solution series with the mineral Siderite ($FeCO_3$), and commonly calcium substitutes for the manganese forming a pink color. Rhodochrosite is formed by either low temperature hydrothermal emplacement along with silver, gold, zinc, and copper, or it is sedimentary such as in cave stalactite formations. Often it forms a banded pattern of reds and pinks. Argentina is the most actively mined area for decorative rhodochrosite, but it also found in US,

Brazil, Peru, Eastern Europe, and South Africa. The mineral was discovered in 1813 in a silver mine in Romania.

Rhodochrosite is a soft mineral with a hardness between 3.5 and 4.0. It has a three directional cleavage, which makes it challenging to facet. Typically rhodochrosite is used in making bookends, clocks, intarsia pieces, cabochons, or for bead-making. It can be easily shaped on 220 grit wheel and polished with jewelers rouge on leather.

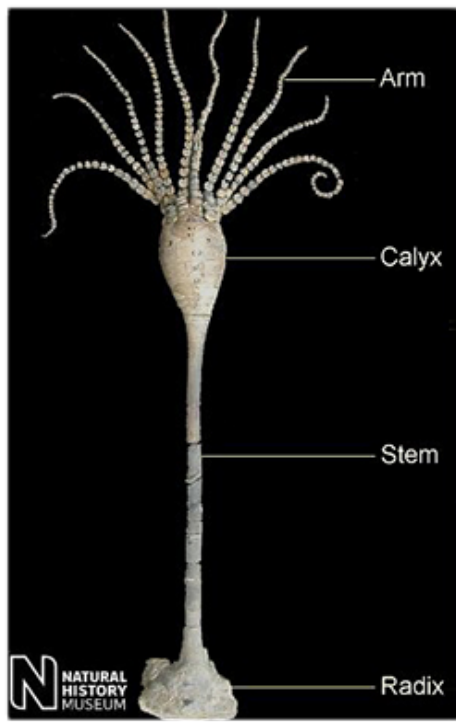


State Fossils

Missouri State Fossil

Bill Beiriger

Delocrinus missouriensis, a Crinoid belonging to the echinoderms and is related to sea urchins and starfish. At one time crinoids were thought to be extinct, but in 1873 modern animals were found in nature, now crinoids are called living fossils



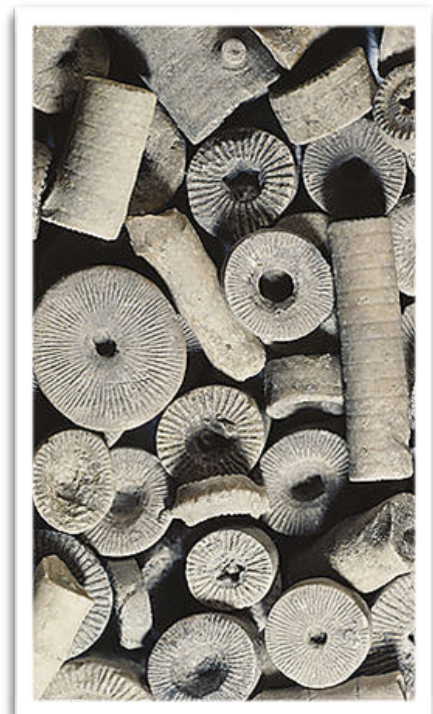
The Missouri fossils lived during the Pennsylvanian Period about 300 million years ago. Crinoid fossils are very common in the limestone of the Callaway and Burlington Formations, which outcrop near Springfield and Kansas City and the surrounding areas. In other areas they lived as far back as 395 million years ago during the early Ordovician Period

Crinoids look more like a flower than an animal, which gives them the name Sea Lilies

Adopted as Missouri's State Fossil in 1989

There are about 5,000 fossil species and about 600 species of crinoids living in the oceans of today.

British Museum Display



Stem sections



Delocrinus missouriensis

Minutes of Lithophile Meeting

May 11, 2017

We watched a film that Bill Bish had bought:
 “Treasures of the Earth-Minerals”

Don't forget to pay your annual dues!

Minutes of Lithophile Board Meeting

May 25, 2017

Present: Bill Beiriger, Bill Bish, Sue Fernandez, Pat Iannucci, Molly Alexander

Sue Fernandez audited the monetary situation of the Lithophile Club for 2014 and 2015. She discovered that a large sum of money was passed back and forth under the table. She did not disclose the location or the identity of the table. She did not reveal the identity of the hands that were doing the passing. In addition, Sue was shocked to find that numerous checks were bouncing, instead of walking, all the way to the bank. She will turn in her written report at the next meeting. (And the report will state that the Lithophile Treasure passed the audit test with an A!)

Bill Bish taught 2nd graders at Arroyo Seco Elementary School about streams and water flows.

The next Lithophile meeting is Thursday, June 8, 2017 at 7:30 pm. We will watch a film called “Mineral Explorers.” Molly Alexander will bring snacks.

The next board meeting is Thursday, June 22, 2017 at 7:30 pm in the shop.

The Lithophile Annual Picnic will be on Sunday, August 6, 2017.



4-H members learned how to wire wrap their cabs.



Beading Buddies

Here are a few pictures from the last session and project. Andrea's friend Mickey was there visiting and she worked on the project with Andrea's help. Also there was Jane, Sue, and Diane. My sister was there via Skype. Our next session is June 17, 1-4pm at Dick and Andrea's. Andrea will be teaching a wire jewelry project (photo below).

Lithophile Annual Picnic

Sunday, August 6, 2017

Mark Your Calendar!



California Shows & Events

June 9, 10 & 11: VENTURA, CA
 VENTURA ROCKS THE NATION!
 2017 CFMS-AFMS Show & Convention
 Hosted by Ventura County Gem & Mineral Society
 Ventura County Fairgrounds
 10 West Harbor Boulevard
 Hours: Fri & Sat 10 - 5; Sun 10 - 4
 Contact: Diane Cook, (805) 312-8467
 Email: info@vgms.org
 Website: 2017CFMS-AFMSShow.com

August 19 - 20: 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
 Email: ellen_nott@yahoo.com
 Website: www.sfgemshow.org

September 23 - 24: LODI, CA
 Stockton Lapidary & Mineral Club
 Lodi Grape Festival Grounds
 413 East Lockford Street
 Hours: 10 - 5 daily
 Contact: Jerold Kyle, (209) 368-9411
 Email: jeroldkyle@yahoo.com
 Website: www.stocktonlapidary.com

September 23 - 24: MONTEREY, CA
 Carmel Valley Gem & Mineral Society
 Monterey Fairgrounds
 2004 Fairgrounds Road
 Hours: 10 - 5 daily
 Contact: Janis Rovetti, (831) 372-1311
 Email: janisr2@sbcglobal.net
 Website: www.cvgms.org

September 23 - 24: REDWOOD CITY, CA
 Sequoia Gem & Mineral Society
 Community Activities Building
 1400 Roosevelt Avenue

Hours: 10 - 5 daily
 Contact: William Spence, (408) 398-7502
 Email: bill.spence777@sbcglobal.net
 Website:
www.sequoiagemandmineralsociety.org

October 21 - 22: PLACERVILLE, CA
 El Dorado County Mineral & Gem Society
 El Dorado County Fairgrounds
 100 Placerville Drive
 Hours: 10 - 5 daily
 Contact: (530) 676-2472
 Email: info@rockandgemshow.org
 Club Website: www.eldoradorocks.org

October 21 - 22: SANTA ROSA, CA
 Santa Rosa Mineral & Gem Society
 The Veterans Memorial (new date & location)
 1351 Maple Avenue
 Hours: Sat 10 - 6; Sun 10 - 5
 Contact: Jolene Coon
 Email: santarosarockshow@hotmail.com
 Website: www.srmgs.org

October 28 - 29: LOS ALTOS, CA
 Peninsula Gem & Geology Society
 Los Altos Youth Center
 One North San Antonio Road
 Hours: 10 - 5 daily
 Contact: Steve Jobe, (408) 834-5384
 Email: steve_jobe@sbcglobal.net
 Website: www.pggs.org

October 28 - 29: SACRAMENTO, CA
 Sacramento Mineral Society
 Scottish Rite Temple
 6151 H Street
 Hours: 10 - 5 daily
 Contact: Alyssa Mesiznger, (916) 662-5819
 Email: gemshow@sacramentomineralsociety.org
 Web Site: <http://sacramentomineralsociety.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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