

Livermore

Lithogram



Volume XXXX, Number 1
January 2015

Livermore Valley Lithophiles
Livermore, California

Next General Meeting:
 Thursday, Jan. 8, 2015
 Community Room
 7:30 PM

Program: - - A Fossil Show and Tell - -
Members Bring a Fossil or Fossils
to the January 8, 2015 Meeting

Next Board Meeting:
 Thursday, Jan. 22, 2015
At the Shop
 Members are welcome to attend!

Meeting Location: Livermore Library Community Room

Refreshments: P

| | |
|---|----------|
| <i>Inside this issue:</i> | |
| Christmas - Holiday Party | 2 |
| Beading Buddies | 3 |
| Museum of the Rockies | 4 |
| California Geological Survey | 5 |
| Shop Report | 6 |
| Special Sale - January Meeting | 6 |
| Shows & Events & Field Trips | 7 |
| | |
| | |
| | |
| | |

Presidents Message:

Happy New Year club members and congratulations; we now have a full slate of officers for the 2015 year. Bill Bish and Molly Alexander have returned as Treasurer and Secretary, Tom Johnston has stepped up as Vice President, and I have the honor of being an elected President this year. Please thank the other officers when you see them for generously giving of their time. Better yet, show up to our next General Meeting on January 8th. We will be doing a fossil show and tell and swap. We will also have our usual raffle, snack, and coffee. We will also take some time to discuss planned activities and seek your input for others.

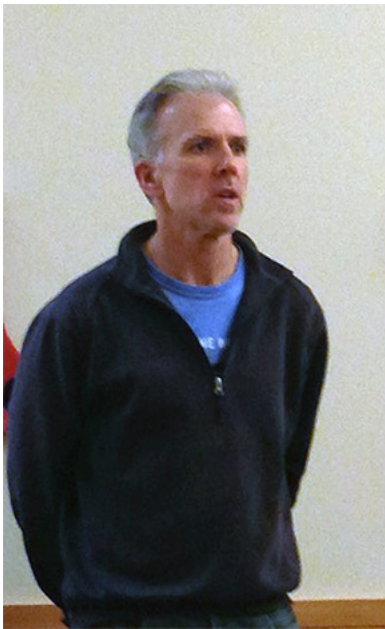
I look forward to a fun and productive year for the club.

This month's Quiz Question:
Name the only location in the United States that currently produces gem-quality diamonds

First one to provide an answer wins a prize.

Photos and Report for Our Christmas / Hanukkah / Holiday Party & Meeting

This year we had 28 Lithophiles and guests at our December party. The weather was bad most of the day but by the time of the party the rain cleared out so no one had to come in dripping wet. We elected a full slate of officers; President, Lee Davisson, Vice President Tom Johnston, Treasurer, Bill Bish and Secretary, Molly Alexander. We had food, bingo, white-elephants and a short meeting.



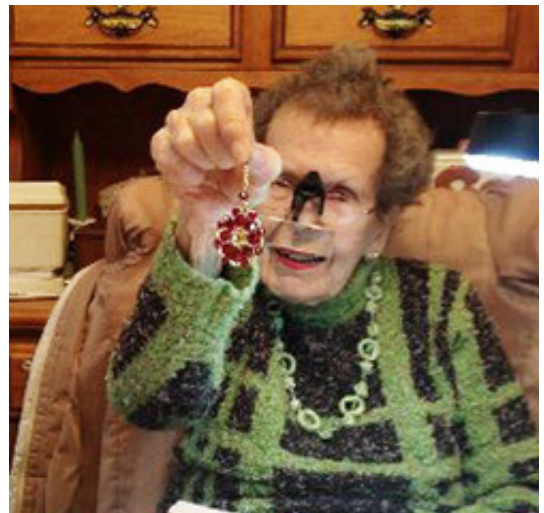
Photos
Jennifer Siders



**Beading Buddies
December 13, 2014**



**Pat's Sister Mary Kay
did a (Tela-Beading) Project
from Texas.**



Jane Crone



Geological Museums in the United States and Canada.

Museum of the Rockies - Bozeman, MT

Compiled by Bill Beiriger

The museum has one of the largest collections of dinosaurs in the world.

All of the dinosaur fossils in the collection have been found in Montana and are from rocks of the Jurassic and Cretaceous periods.

Currently they have 13 notable displays in their complex. They have the largest collection of *Tyrannosaurus rex* fossils in the world. And have a complete growth and behavior series of *Triceratops*. They also have *Deinonychus* (very similar to *Velociraptor*) and can be seen on display.

The curator of the facility is Dr. Jack Horner, he was the science advisor for *Jurassic Park* and the TV show *Terra Nova*.



Tyrannosaurus rex



Deinonychus



Dinosaur in Matrix



Fossils in Transport Plaster



Triceratops Model
Showing Bones, Muscles and Skin

Geologic Facts about California
California Geological Survey (CGS)
This Information is from the 150th Anniversary of the CGS

Both the highest and lowest elevations in the 48 contiguous states are in California, only 80 miles apart. The tallest mountain peak is Mt. Whitney at 14,496 feet; the lowest elevation in California and North America is in Death Valley at 282 feet below sea level.

Geologic hazards in California can consist of earthquake shaking and fault movement, tsunamis, landslides, volcanic eruptions, floods, and exposure to hazardous minerals.

The Salton Sea was created in 1905 when several floods inundated a bypass in irrigation canals and diverted the entire Colorado River for nearly two years. Currently, the Salton Sea is maintained by water diversions from the Colorado River.

During the ice ages 15,000 years ago, Death Valley contained a lake more than 100 miles long and 600 feet deep.

Marine terraces along California's coastline represent former sea level surfaces and can be used to measure uplift rates. A 125,000 year old marine terrace found in many of California's coastal areas represents the last time global sea level was high. Twenty-five marine terraces can be found on San Clemente Island, dating back as far as approximately 2.8 million years.

California is divided into 11 geomorphic provinces: Basin and Range, Cascades, Coast Ranges, Colorado Desert, Great Valley, Klamath Mountains, Modoc Plateau, Mojave Desert, Peninsular Ranges, Sierra Nevada, and Transverse Ranges.

Racetrack Playa, in the Basin and Range province, has grooves etched into the surface of the playa by "moving" rocks that are found at the end of the grooves. It is thought these grooves are formed by rocks entrained in ice being blown across the playa by strong winds.

Chert is a type of rock in the oceanic crust that formed from silica shells of microscopic organisms deposited on the deep ocean floor. Chert is present throughout California, but especially in the Coast Ranges and the Sierra Nevada.

Cumulative displacement along the San Andreas Fault is estimated to be 560 kilometers (350 miles). Rocks on the west side of the fault zone have moved northward in relationship to those on the east side of the fault zone.

Approximately 100 earthquakes occur in California daily, though most of them are too small in magnitude to feel.

The Santa Cruz Mountains, west of the San Andreas Fault, grew 1.2 meters (47.2 inches) higher during the M6.9 Loma Prieta earthquake of 1989, evidence that the Coast Ranges are still rising today due to fault activity.

Shop Report

Frank Gouveia

The Shop has seen a few people break away from the holiday shopping frenzy and spend some relaxing time working on their projects. Pats old kitchen cabinets were hauled from her house down to the shop and may already be hung up on the wall at the time of this newsletter. We look forward to a new year of having lots of fun together as a club. Happy new years to all of you.

That's all from the shop...Rock on!

The Shop is open from 7pm to 10pm every Tuesday.

Shop Forepersons:

1st Tuesday – Stephanie Goldsmith

2nd Tuesday – Frank Gouveia

3rd Tuesday – Tom Johnston

4th Tuesday – Richard Ochoa

5th Tuesday- Mystery Guest Foreman....Ooooooh!

Faceted Stone and More for Sale.

Brett Hart will visit our January 8th meeting and bring a large collection of faceted and cabbed stones for sale. Brett inherited these items from relatives. These may be great items to incorporate into jewelry projects.



California Shows And Events

2014

QUARTZSITE, AZ

January 01 - February 28, 2015 Desert Gardens
-Gem & Mineral

January 02 - January 11, 2015 Tyson Wells
Rock & Gem Show

January 05 - January 25, 2015 Main Event (to
be confirmed)

January 16 - January 25, 2015 Tyson Wells
Sell-A-Rama

January 21 - January 25, 2015 Pow Wow Gem,
mineral & jewelry

March 14 - 15: TURLOCK, CA
Mother Lode Mineral Society,
Modesto
Stanislaus County Fairgrounds
900 North Broadway
Hours: 10 - 5 daily
Contacts: Bud & Terry McMillin, (209)
524-3494, cell (209) 484-4416
Email: terry_mcmillin@yahoo.com
Website: www.turlockgemshow.com

March 28 - 29: ROSEVILLE, CA
Roseville Rock Rollers
Roseville (Placer County) Fairgrounds
800 All American City Blvd
Hours: Sat 10 - 5; Sun 10 - 4
Contact: Gloria Marie, (916) 216-1114
Email: gloriarosevillerockrollers@gmail.
com
Website: www.rockrollers.com

April 4 - 5: CHICO, CA
Paradise Gem & Mineral Society
Silver Dollar Fairgrounds
2337 Fair Street
Hours: 10 - 4 daily
Contact: Manuel Garcia, (530) 877-7324
Website: www.paradisegem.org

April 18 - 19: SAN JOSE, CA
Santa Clara Valley Gem & Mineral
Society
Santa Clara County Fairgrounds
334 Tully Road
Hours: 10 - 5 daily
Contact: Frank Mullaney, (408) 265-
1422
Email: info@scvgms.org
Website: www.scvgms.org

April 25 - 26: SANTA CRUZ, CA
Santa Cruz Mineral & Gem Society
Santa Cruz Civic Auditorium
Church Street & Center Street
Hours: 10 - 5 daily
Contact: Dean Welder (408) 353-2675
Website: www.scmgs.org

November 21-22: LIVERMORE, CA
Livermore Valley Lithophiles
Lithorama 2015 is a Gem and Mineral
Show and Sale & will be held at the
'BARN' in Livermore,
3131 Pacific Ave., off South Livermore
Ave.
Saturday 10:00 to 5:00
Sunday 10:00 to 4:00
info@lithophiles.com
www.lithophiles.org

Show information is available at the Cali-
fornia Federation of Mineralogical Societies
website: www.cfmsinc.org

Additional Resources:

American Federation of Mineralogical
Societies website: www.amfed.org

American Lands Access Association
website: www.amerlands.org

CO-OP website: www.coop.freeservers.com

2015

February 28 - March 1: VALLEJO, CA
Vallejo Gem & Mineral Society
Solano County Fairgrounds, Mc Cormack Hall
900 Fairgrounds Drive
Hours: 10:00 - 5:00 daily
Contact: Dan Wolke, 707 334-2950
Email: dncwolke@sbcglobal.net
Website: www.vjgems.org

March 6 - 8: 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
Website: www.mgscv.org

Field Trips

Livermore Valley Lithophiles

Bill Beiriger, Editor
P.O. Box 626
Livermore, CA 94551-0626
info@lithophiles.com

We're on the Web at www.lithophiles.org



Elected Officers and Club Information

Elected Officers:

President Lee Davisson (leedavisson@sbcglobal.net)
V. President Tom Johnston (tj5646@gmail.com)
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 older.)

Meetings: General Meeting – Second Thursday of each month, 7:30 p.m. Civic Center Livermore Library Community Room (**Locations change goto 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:
Bill Beiriger,
Livermore, CA 94551-0626,
email: info@lithophiles.com

Shop open every Tuesday at 7:00 PM

General Meeting Jan. 8, at 7:30 PM
Board Meeting - Jan. 22, 7:30 PM