

# Livermore



# Lithogram

**Volume XXXIX, Number 5** **Livermore Valley Lithophiles**  
**May 2014** **Livermore, California**

Next General Meeting:  
 Thursday, May 8, 2014  
 Livermore Library Community Room  
 7:30 PM

**Program: 4-H and Junior Shop Projects**  
**( PLEASE SUPPORT THE JUNIOR AND 4-H MEMBERS BY ATTENDING THE MAY MEETING )**

Next Board Meeting:  
 Thursday, May 22, 2014  
**At the Shop**  
 Members are welcome to attend!

**Meeting Location:** Livermore Library Community Room 'A'

**Refreshments:** Jenny Siders and Jill Heinke

**See Field Trips Page 11.**

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**Presidents Message:**

We had a tremendous turnout for last month's General Meeting, and I could see in all your faces the enjoyment (and some frustration) of searching for sapphires. Unfortunately, some of us (including me) were no match for the sharp-eyed children. Although the meeting providing an opportunity to "acquire something for nothing", I hope all of you simply recognized the fun of the group activity. So my hope is that we also have a good turnout for this month's meeting.

The May meeting will be our first 4H NIGHT. For those who may not know, Rich Hunt and I have been leading a 4H club project for the past two years. In this project, a group of 4H members learn how to make a cabochon, beginning with selecting slab material at the Silent Auction all the way through the cutting, shaping, and polishing stages. Both Chris Hunt and Larry Patzkowski have been graciously donating their time to work with the 4H participants. In addition, this year Jenny and Charlie Siders will be teaching the 4H participants basic wire-wrapping so that they end up with a final piece of jewelry to display for their cabochon.

The 4H participants will be showing up to our May meeting to tell us about their cabochon project and show us their work. HOWEVER, I need your help! It would be a fine thing if club members show up

**Presidents Message - continued from pg. 1**

prepared to tell us about their first cabochon experiences so that the 4H participants don't have to do all the talking and can benefit from your stories. Secondly, it would be grand if club members could bring in their FAVORITE CABOCHON, one made by you, purchased at a show, or acquired by means otherwise.

Don't forget that as always we will have the club Raffles at the meeting. First ticket is free. ALSO, all junior club members who at the meeting will receive free polished rocks. So I hope to see all of you at the General Meeting this Thursday at 7:30pm.

May QUIZ QUESTION: what is a "jabot pin"? If you know the answer let me know by email anytime or in person this Thursday.

April quiz question was answered correctly by Stephanie Goldsmith. Here are the answers:

White Gold: Gold that has been alloyed with metals such as Nickel or Zinc to bleach out the gold color.

Yellow Gold: Gold that has been alloyed with a mix of 50% copper and 50% silver.

Lee Davisson, President

**Minutes of the Board Meeting**

April 24, 2014

Treasurer report:

- Bill Bish said our Federal tax exempt-non-profit status has been approved, but our State status has not yet.
- Dues for California Federation of Mineralogical Societies will be paid and we are currently delinquent.
- Beth Myers will be conducting a financial audit for the club.

Announcements and Other:

- Brunton compasses have been purchased for CSU East Bay scholarship – hopefully have fall presentation from recipients or professor from the Geology department there.
- Rocks stored at Jim Gruver's land were picked up and moved to Nancy's. We have ample supply now for Silent Auction.
- Stephanie answered the quiz question in the President's Message.
- Bill Bieriger would like club members and juniors in particular to take pictures of geology during their summer vacations.
- Jenny and Jill will provide refreshments for April meeting.

## Minutes of the General Meeting

April 10, 2014

We had a tremendous turnout for last month's General Meeting, and I could see in all your faces the enjoyment (and some frustration) of searching for sapphires. Unfortunately, some of us (including me) were no match for the sharp-eyed children. Although the meeting providing an opportunity to "acquire something for nothing", I hope all of you simply recognized the fun of the group activity. So my hope is that we also have a good turnout for this month's meeting.

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## Geologic Roadsigns of Montana

Here is one of the best state travel sites on the Internet for geology. The website has a map with HOT SPOTS [Yellow Rock Picks] on it that will take you to a page that tells you about the geological features of that point on the map.

If you are going on a trip to Montana, stop and enjoy the geology along the way

<http://www.mdt.mt.gov/travinfo/geomarkers.shtml>

**FUN - Junior Members at a Meeting - FUN**  
**May 8, 2014**

Please attend the May 8th general meeting at the library and see the work that Our Junior Members and the 4-H Members have been producing at the Lithophiles' Shop. These students have been taking classes under the guidance of instructors; Rich Hunt, Chris Hunt, Larry Patzkowski, Lee Davisson, and Stephanie Goldsmith.

Come see projects by; Eric Heinke, Kaelo Maloney, Angela Richards, Grace Shaw-Smathers, Will Watson and Charlie Siders our Junior Leader.



Hawks Eye  
by Charlie Siders



Tiger Eye Cab  
by Charlie Siders



Wire Wrapped & Cab  
by Angela Richards



## Report of the Fun Filled April Meeting Montana Sapphire Dig

President Lee suggested that we try something different for the April General Meeting - Let's Have A Sapphire Dig. That hands on event got a lot of members to come to the meeting - 28 Juniors and Adults. Many of the members found several small sapphires. Below are some of the photos that Pat Iannucci & Jenny Siders took at the Dig and Frank & Lee took at the shop. Thank You President Lee.



Lee with the Package of Gravel Containing Sapphire.



Frank had to be the First to Get His Hands into the Gravel.



## Junior Members

### Summer Project

### A Photo Project for Our Junior Members

**Over the school vacation this summer take photos related to Geology.**

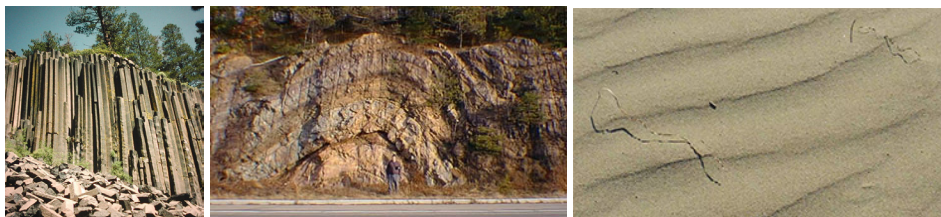
After summer vacation is over some of the photos will be published in the Lithogram. **Have Fun.**

**The photos can be of Geological Formations, etc., see ideas shown below:**

- Weathering of Rocks by Wind, Water, etc.
- Cross-Bedding in Sandstones
- Density separation of Sands on a Beach
- Particle Size Separation of Sand on Beach
- Ripple Marks – Recent or Fossil
- Earthquake Faults
- Dikes in Rocks
- Rock Layers
- Mineral Crystal Pockets
- Cave Formations
- Columnar Basalts
- Geothermal Sites
- Anticlines and Synclines
- Fossils in Rocks
- Others ideas that you may find

**Try to find the geological subjects in nature and not in a museum.**

**If you don't know what any of the above items are, look them up on the Internet.**



### Members E-mail Notification

#### Forwarding Information to Members

Bill Beiriger

I have a list of members that I forward info from both 'The LivermoreDowntown Association' with whats happening in the downtown. I also forward info for 'RioGrande Lapidary / Jewellery Equipment Co.' with sales they have going on about once a month.

If you would like to be on this e-mail notification please let me know at:  
[info@lithophiles.com](mailto:info@lithophiles.com)

## **The Volcanoes of Alaska.**

Compiled by Bill Beiriger

**Information and Photos from the Global Volcanism Program - Smithsonian Institution.**



### **Kiska - Alaska Aleutian Islands**

**Last Eruption - 1990**

**4,003 feet**

**52.103° N 177.602° E**

Conical Kiska volcano is the westernmost historically active volcano of the 2500-km-long Aleutian arc. The volcano lies at the northern tip of the elongated Kiska Island, across a low isthmus containing East Kiska and West Kiska lakes. A 400-m-wide elliptical crater, breached to the north, caps the 1220-m-high stratovolcano. The volcano is surrounded on three sides by sea cliffs up to 450 m high and overlies an older volcanic center exposed to the south. A massive submarine debris-avalanche deposit extends 40 km to the NNW. The southern part of the NE-SW-trending island, the westernmost of the Rat Island group, has been glaciated, but all lava flows on Kiska volcano post-date the last major glaciation. Young, steep-sided blocky lava flows, primarily on the northern and SW flanks, have originated from vents at locations ranging from the summit to near sea level. A flank cinder cone and associated lava flows were erupted in 1962 at Sirius Point on the northern coast. The island contains one of the best harbors in the Aleutian Islands, but is uninhabited.

Photo by E.V. Kleff, 1985 (U.S. Fish & Wildlife Service, courtesy of Alaska Volcano Observatory).

<http://www.volcano.si.edu/world/volcano>



## Lithophiles Library at the Shop

I am still cataloguing the books and putting circulating cards in the fronts of each of them. I will have most of the important books finished soon. Bill Beiriger

## Beading Buddies

Pat Iannucci

The group beading project will start on Saturday May 31 at Dick Friesen's house 787 Joyce St 1-4pm. We have 4 kits available. But if we run out you can get bicone beads at Michael's. They have Swarovski and Crystalizzi beads. You will need 144 4mm crystal beads to make the bracelet. The club will provide the rest of the supplies.

Questions? Call or email me. 443-6122. I will post a picture on the Facebook page soon.





## **Shop Talk**

### **By Frank Gouveia**

Spring is in the air and the days are getting longer which means it's no longer dark when the shop opens. We have had a steady flow of people visiting the shop and here's what's been happening since the last report.

3/4/14 - Stephanie Goldsmith was foreman this night. Charlie and Jenny Siders stopped by to work on some of their projects. Stephanie talked to Jenny about Opals and how to best work with them. Charlie got busy working on some of his many cabs. Pam Kline stopped by with her grandma who I believe was a former member that got Pam interested in the club long ago. They both stayed and talked to Stephanie for a while but did not stay to work on anything.

3/11/14 - I was foreman this night and when I showed up Bill Bierigger was just wrapping up cataloging the books in the library at the shop for the evening. The 4H members were also there finishing up for the night with Rich and Chris Hunt. Stephanie Goldsmith showed up later on and I went over the operating instructions on the new water heater with her. Afterwards she polished some jewelry and worked on some stones for her rings and other settings. Pam Kline joined us later on and did some free form grinding with a little help from Stephanie. I changed out the 3000 grit wheel that was worn out in the center. Stephanie's mom Marilyn came by and glued some stones on dob sticks for Stephanie.

3/18/14 - Lee Davisson I believe was the temporary foreman this night and Stephanie Goldsmith came in to work on her stuff.

3/25/14 - Diana Carey was foreman this night. Stephanie and Dick were also there.

4/1/14 - Stephanie was foreman and Dick was also there.

4/8/14 - I was foreman and when I arrived I found Rich and Chris Hunt there with 4H member Eric and his mom. Eric was finishing up a cab he had been working on. Lee came by shortly after with three boxes of dirt with Sapphires in them. Before we could get started working with the dirt I had to deal with a very large Yellow jacket Queen that was buzzing around the shop. Thanks to one of Rich's rolled up Sports Illustrated magazines the problem was solved only to be visited by yet another large Yellow jacket. This one escaped through a hole in the ceiling and calm was restored in the shop. We opened the boxes and dumped them into a tub. We mixed it by hand with a jar of soil containing at least 100 carats of Sapphires. Dick stopped by as well as Stephanie. We all sat around and chatted for a while then Lee took off. Dick filled me in on his time at Quartzite, Tucson and Yuma then he went home as well. Stephanie worked on some Zircon for one of her latest projects. Stephanie's mom Marilyn came by and glued some stones on dob sticks for Stephanie.

4/15/14 - Lee filled in as foreman this night. Pam Kline came by and sorted some rocks. Kostyn Tyksinski came in with her and was working on some Jade. Stephanie was also there that night.

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

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

Shop Forepersons:

1<sup>st</sup> Tuesday - Stephanie Goldsmith

2<sup>nd</sup> Tuesday - Frank Gouveia

3<sup>rd</sup> Tuesday - OPEN POSITION PLEASE HELP OUT!

4<sup>th</sup> Tuesday - Diana Carey

5<sup>th</sup> Tuesday - Mystery Guest Foreman....Ooooooh!



# California Shows And Events

## 2014

**April 26 - 27:** SANTA CRUZ, CA, **Santa Cruz Mineral & Gem Society**, Santa Cruz Civic Auditorium , Church St & Center St, Hours: 10 - 5 daily, Contact: Dean Welder, (408) 353-2675, Website: www.scmgs.org

**May 3 - 4:** JACKSON, CA  
**Amador County Gem & Mineral Society**  
Kennedy Mine  
12594 Kennedy Mine Rd (off Hwys 49/88)  
Hours: 10 - 4 daily  
Contact: Margaret Kolaczyk  
Email: blackwolf@volcano.net

**May 3 - 4:** PASO ROBLES, CA  
**Santa Lucia Rockhounds**  
Pioneer Park & Museum  
2010 Riverside Avenue  
Hours: 9 - 5 daily  
Kim Noyes, (805) 610-0603  
Email: kimnoyes@gmail.com  
Website: www.slrockhounds.org

**May 10 - 11:** RENO, NV  
**Reno Gem & Mineral Society**  
Reno-Sparks Livestock Event Center  
1350 N. Wells Avenue  
Hours: Sat 10 - 5; Sun 10 - 4  
Contact: Steve Norman, (775) 358-7322, cell (775) 560-4782  
Email: snorm11@hotmail.com  
Website: www.renorockhounds.com

**May 30 - June 1:**  
POMONA, CA  
**2014 CFMS**  
**Show and Conference**  
Fairplex, 1101 W. McKinley Ave  
POMONA, CA  
to be hosted by the  
Pasadena Lapidary Society  
Show Website:  
www.cfms2014show.com

**August 23 - 24:** SAN FRANCISCO, CA  
**San Francisco Gem & Mineral Society**  
S. F. County Fair Building, Golden Gate Park  
9th Avenue & Lincoln Way  
Hours: Sat 10 - 6; Sun 10 - 5  
Contact: Ellen Nott  
Email: ellen\_nott@yahoo.com  
Website: www.sfgemshow.org

**November 22-23:** LIVERMORE, CA  
**Livermore Valley Lithophiles**  
Lithorama 2014 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 California Federation of Mineralogical Societies website: [www.cfmsinc.org](http://www.cfmsinc.org)

### Additional Resources:

American Federation of Mineralogical Societies website: [www.amfed.org](http://www.amfed.org)

American Lands Access Association website: [www.amerlands.org](http://www.amerlands.org)

CO-OP website: [www.coop.freeservers.com](http://www.coop.freeservers.com)

## Field Trips

**The Lithophiles are looking at a possible Field Trip to Black Chasm Cavern or California Cavern as our May field trip. Both of the caverns charge \$15 for Adults and \$8 for Children 12 and under. Both of the caverns are about 2 to 2-1/4 hours from Livermore and are located in Volcano and Murphys.**

**If you are interested please contact Bill Bish at [cbbish@att.net](mailto:cbbish@att.net).**

## 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](http://www.lithophiles.org)



## Elected Officers and Club Information

### Elected Officers:

**President** OPEN  
**V. President** Lee Davisson ( [leedavisson@sbcglobal.net](mailto:leedavisson@sbcglobal.net) )  
**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 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](mailto:info@lithophiles.com)

**Shop open every Tuesday at 7:00 PM**

**General Meeting May 8th, at 7:30 PM**  
**Board Meeting May 22nd 7:30, At the SHOP**