

# Livermore



# Lithogram

**Volume XXXIX, Number 3** **Livermore Valley Lithophiles**  
**March 2014** **Livermore, California**

Next General Meeting:  
 Thursday, March 13, 2014  
 Livermore Library Community Room  
 7:30 PM

**Program:**  
Beth Myers  
**Natural Pigments for Use as an Art Media**

Next Board Meeting:  
 Thursday, March 27, 2014  
**At the Shop**  
 Members are welcome to attend!

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

**Refreshments:** Bill Beiriger and Frank Gouveia

<b>MEMBERS DUES ARE DUE</b>	
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**Presidents Message:**  
Programs, Fields Trips, and Words

It's March, weather is warming, we're finally getting rain and some greening hills, and the Club has a great program and field trip for our members this month. Beth Meyers, a long-time Lithophile, will be joining us Thursday March 13<sup>th</sup> at 7:30pm to give us an in-depth view of her methods for collecting and making of natural pigments using Livermore area rocks and soils. She will be traveling down from her home up on Mines Rd., so let's make sure we have a good turnout. Then on Saturday March 15<sup>th</sup>, she will lead a field trip for us to not only show some of her collection sites, but also how she makes the pigments. For those of you who were at the last Lithorama and saw Beth's case **WILL DEFINITELY NOT WANT TO MISS THE PROGRAM AND FIELD TRIP.**

Note also that we are piecing together future programs and field trips. If you have ideas that you have not shared yet, now is the time. We are always open to your suggestions. Some of the program items that we have on the burner now are meteorites, safety, 4-H night, fossil night, and sapphire searching. Field trip ideas being kicked around are caves, flint knapping, gold panning, and paleontology museums.

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

Lastly, I have a word challenge for club members. Who can tell me the difference between a “LENTIL CUT” and a “FULL CUT”? If you think you know the answer, please email me ([leedavisson@sbcglobal.net](mailto:leedavisson@sbcglobal.net)) and I'll announce results in next month's Lithogram. Google searches are permitted.

**Lithophiles Field Trip  
March 15, 2014****Field Trip to Mines Road**

We are planning a field trip with Beth Myers along Mines Road on March 15th. The time to meet for the field trip on Saturday, March 15 is 10:00 a.m. at the Mines road turn-off. Looking forward to a fun day! This trip will be preceded by a presentation at our general meeting on March 13th by Beth.

Beth Myers – She collects natural pigments on her property to make her own paints; lives on Mines Road before ascent to Mt. Hamilton. Below is a photo of Beth's Pigments Display at Lithorama 2013.

**Science Odyssey**

Bill Beiriger

The Lithophiles had two tables at Science Odyssey at Junction School. Our topic was Topographic Maps.

Josh Davisson helped me with the booth. Josh and I both had a busy night. There was a lot of interest in looking at the stereo photos and see how they are used to make 3-D models. There were map diagrams and 3-D models of Mount St. Helens before and after the 1960 eruption.

We had several topographic maps of the Livermore area showing the same area with more and more detail. There were Stereo Pairs of Ariel photos to view with stereo viewers.

We gave a paper with a Dinosaur Maze on one side a word puzzle on the other and had the date for Lithorama 2014 on it.

Thank you Josh.

## Minutes of the Board Meeting

February 27, 2014

The meeting began at 7:30 pm in the Shop.

Attendance: Lee Davisson, Bill Bish, Bill Beiriger, Molly Alexander, Heidi Davisson

### **Turlock Show – March 8-9, 2014**

After the Turlock Show, those interested will drive to Chowchilla to visit the Fossil Discovery Center of Madera County to view the display of local rocks and minerals in addition to learning about the Yokut Tribe culture. The Center is located at 19450 Ave 21 ½, Chowchilla, CA 93610

Telephone – (559)665-7107 Hours: Wednesday-Saturday – 9:00-4:00; Sunday – 11:00-4:00.

( **EDITOR'S NOTE - SEE NOTE ON PAGE 8 OF LITHOGRAM** )

### **Treasurer's Report**

Membership cards will be signed by Bill Bish, then scanned and e-mailed. Members can print their cards. The cards are occasionally useful for discounts at rock and mineral shows.

The non-profit tax-exempt status of the Livermore Valley Lithophiles has expired. Bill Bish will write a letter and fill out the proper forms to re-establish the tax-exempt status.

Insurance forms for the Lithorama have to be completed every year. Insurance for the general meetings is included in the dues and provided by the California Federation of Mineralogical Societies:

\$6 = insurance per person

\$2 = dues

### **General Meetings**

March 13, 2014 – Beth Myers will talk about collecting natural pigments on her property.

March 15, 2014 – a field trip to Beth's property on Mines Road.

April 10, 2014 – Bill Beiriger will present "Safety in the Shop."

May 8, 2014 – Arrange for the 4-H members to present the projects they have been working on.

May 2014 – Lee suggested a field trip to a cave.

June 12, 2014 – 1) sapphires, or 2) members bring their own fossils to share.

There will be no meetings in July and August.

The meeting adjourned at 8:50 pm.

**Minutes of the General Meeting**

February 13, 2014

The meeting was called to order at 7:30 pm by Vice President Lee Davisson at the Livermore Library Community Room A.

No visitors attended.

Lee asked for the newest member and the longest member of the club to stand. Charles Syders is the newest member and came in through the 4-H Club. He is interested in rocks and minerals. Sally Brown, who is the longest member, joined when she moved to Livermore and is interested in minerals.

Lee suggested that we plan more programs that are interactive and hand-on.

**Business:**

- 1) Next week is the Newark Show that is actually Castro Valley's show in Newark. Also, the Mother Lode Show is at the Turlock fairgrounds on March 8 & 9.
- 2) Need shop floor person on third Tuesday of each month. The floor person gets a free lapidary night use when they are not on duty.
- 3) 4-H Club – there are 4-5 members. Bill Beiriger reported that he has prepared programs for the Junior Program, but needs instructors for the programs. At the Lithorama Show, he found several youths who are interested in joining the Junior Program.
- 4) Correction to Board Meeting Minutes, January 23, 2014 – Stephanie will buy silver and gold (colored) settings (30 x 40)

**Treasurer's Report:**

Tax problems will be discussed at next board meeting.

The club earned \$1692 from the Lithorama.

Bill Bish is looking into putting 1/3 of savings into a mutual fund = VanGuard's 500 Index Fund, its annual dividend rate is 7%.

Suggestions: Improve the equipment in the shop. A new water heater was recently installed for the shop.

Membership cards: Bill Bish and Bill Beiriger will discuss.

Bill Bish bought \$700 worth of fossils and minerals at the Tucson Fair for the Junior Program and local schools. Bill Beiriger recently did presentations to 6 classes of second grade.

**Next General Meeting: Thursday, March 13, 2014**

Beth Myers, who lives on Mines Road, will show how she collects natural pigments on her property to make her own paints. On Saturday, March 15, 2014, there will be a field trip to her property.

**Turlock Show = Mother Lode – March 8-9, 2014**

Suggestion: After attending Turlock Show, drive to Merced to visit the Museum of Paleontology. The fossils came from underneath the museum that was originally going to be a landfill. Instead, a museum was built after 43 species were excavated.

## **The Volcanoes of Alaska.**

Compiled by Bill Beiriger

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



### **Trident - Alaska Peninsula**

**Last Eruption - 1974**

**6,115 feet**

**58.236° N 155.10° W**

The Trident stratovolcano cluster was named for the three prominent peaks that were the most visible features at the summit prior to 1953. The andesitic-dacitic Trident group consists of four overlapping stratovolcanoes and numerous flank lava domes, including Falling Mountain and Mt. Cerberus on the far west flank. The summit complex of Trident is located 3-5 km SE of Novarupta volcano, and merges along a ridge to the NE with Katmai volcano. The three oldest Trident volcanoes are glaciated and Pleistocene in age, while the youngest, Southwest Trident, was formed during historical time. Eruptions at the Trident complex migrated stepwise with time from the NE to the SW. In 1953 a new lava dome began growing on the SW flank of Trident I volcano. A series of thick andesitic lava flows were erupted between 1953 and 1968, forming a cone with 400-800 m of local relief. Periodic explosions took place until 1974, and the current summit contains a 350-m-wide crater. Some of the distal lava flows from West Trident stratovolcano collapsed into the Novarupta vent during its 1912 eruption.

Photo by Game McGimsey (U.S. Geological Survey, Alaska Volcano Observatory).

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

## **Shop Talk** **By Frank Gouveia**

# Shop Talk – by Frank Gouveia

Reports from our shop forepersons have been a bit slim so I would like to just summarize the activity that's been happening down at the shop for the past few months.

We have had a lot of new members stopping by the shop to work with the equipment from cutting to polishing and everything in between. Jim and Jacob, Dan and Paul, Brian and Kaelo, Marlene are a few of our newest members who have come by as well as our regulars that pop in now and then.

Here are some of the latest updates:

- Chris Hunt has stepped down as shop foreman for the 3<sup>rd</sup> Tuesday of the month and we would like to say thanks for the years of help down there. This spot is available to anyone who would like to help out one day per month. It's not a hard job and comes with all the training you need as well as phone support if needed.
- A new thicker blade was installed on our second trim saw a while back but has seen little use since it had been down for so long I don't think anyone knows it now works. This thicker blade can trim much larger stones without the fear of bending the blade since it came off of a tile saw.
- A new water heater has been installed on the water supply to all the grinders. This should help keep the stones on the dob sticks since they were flying off when the water was ice cold.

We have plans in the works for the shop to purchase a bunch of different settings that will be displayed on the wall of the shop and available for purchase by any of our members. Reason for this is that we noticed a lot of people come down and make a few cabs and then say "now what" and we see less and less of them coming back to the shop. This new plan will allow you to maybe first pick out a setting and then shape a stone to fit it whether it's a ring, pendant, earrings, belt buckle or whatever. Stephanie Goldsmith is in charge of purchasing these setting and we hope to have it all together soon.

I would like to finish by saying thank you to Lee our VP/temporary President for the kind words last month and to Stephanie our lead foreman for all the work she puts in at the shop.

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!



Dan and Paul Chirica



Frank with New Water Heater

## Lithophiles Library at the Shop

### Hello Lithophiles,

I am doing an **Inventory** of the books in the Lithophiles Library. I am also putting Circulation Cards in all the books that don't have them.

I need to have **ALL BOOKS** returned to the Library during the month of **MARCH**.

I have a large group of books that I got from the book collection of Bob Trimmingham. Most of the books are Field Guides for rock and mineral collecting. As most of you will find out many of the guides are out of date because many of the areas are closed to collecting, but they are still useful.

Other books have also been added and will be available after I complete the inventory.

Thank You,

Bill Beiriger

## Gem & Mineral Show and Field Trip

**Here is a chance for you to plan on going to a Mineral Show and then go to a Paleontology Museum. This is not a normal Lithophile outing, so contact other members and form a group and go to both events.**

**This would make a great Junior Member report for the next Lithogram, like Charles Siders did on his trip to Scotland. It is one of the Federation Junior Badge requirements.**

The Mother Lode Gem and Mineral Society will have their show on March 8 & 9 at the Stanslaus Fairgrounds in Turlock. After the show you could proceed to the Fossil Discovery Center at Chowchilla. The museum is off Hwy 99 at 11950 Ave. 21 1/2 ( **YES Ave. 21 1/2** ) at Chowchilla.

Approximate distance and driving times.

Livermore to Turlock 63 miles  $\approx$  1 hour

Turlock to Chowchilla 43 miles  $\approx$  40 minutes

Chowchilla to Livermore 110 miles  $\approx$  1 hour & 40 minutes

You can use several roads to returning from Chowchilla:

120 thru Manteca

132 thru Modesto

146 thru Gustine

152 thru Los Banos



# California Shows And Events

## 2014

**March 8 - 9:** TURLOCK, CA

**Mother Lode Mineral Society, Modesto**

Stanislaus County Fairgrounds

900 North Broadway

Hours: 10 - 5 daily

Contacts: Bud & Terry McMillin, (209) 524-3494

Email: terry\_mcmillin@yahoo.com

Website: www.turlockgemshow.com

**March 8 - 9:** SPRECKELS, CA, **Salinas Valley Rock & Gem Club**, Spreckel's Veterans

Hall, 5th & Llano Streets, Hours: 10 - 5 daily,

Contact: Karin Salomon, (831) 375-5233,

Email: k1.salomon72@yahoo.com Website:

www.salinasrockandgem.com

**March 15-16:** VALLEJO, CA

**Vallejo Gem & Mineral Society**

Solano County Fairgrounds, 900 Fairgrounds Dr.

Hours: 10 - 5 daily

Contact: Dan Wolke, (707) 745-1816

Email: dncwolke@sbcglobal.net

Website: www.vjgems.org

**March 22 - 23:** 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: amy95247@yahoo.com

Website: www.calaverasgemandmineral.org

**March 22- 23:** 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 12 - 13:** SAN JOSE, CA, **Santa Clara Valley Gem & Mineral Society**,

Santa Clara County Fairgrounds,

344 Tully Road, Hours: 10 - 5 daily,

Contact: Frank Mullaney, (408) 266-

1791; (408) 691-2656 (cell) Email:

info@scvgms.org, Website: www.

scvgms.org

**April 12 - 13:** PARADISE, CA

**Paradise Gem & Mineral Society**

Elks Lodge, 6309 Clark Road

Hours: Sat 10 - 5; Sun 10 - 4

Contact: Manuel Garcia, (530) 877-

7324

Email: paradisegemmineralclub@

yahoo.com

Website: www.paradisegem.org

**April 19 - 20:** MARIPOSA, CA,

**Mariposa Gem & Mineral Society**,

Mariposa County Fairgrounds, Fair-

grounds Drive (Hwy 49 South - 1.8

miles south of Mariposa, Hours: 10 - 6

daily, Contact: Martin Foden, (209)

742- 4036, Email: martin@safarigold.

com,

Website: www.camineralmuseum.com.

**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

**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

**We are planning a field trip with Beth Myers along Mines Road on March 15th. For more information attend the March 13th meeting.**

## Livermore Valley Lithophiles

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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 March 13th, at 7:30 PM**  
**Board Meeting March 27th 7:30, At the SHOP**