



Volume XXXVIII, Number 3 **Livermore Valley Lithophiles**
March 2013 **Livermore, California**

Next General Meeting:
 Thursday, March 14, 2013
 Livermore Library Community Room
 7:30 PM

Program:
DVD - Mining in Bolivia

Next Board Meeting:
 Thursday, March 28, 2013
At the Shop
 Members are welcome to attend!

Meeting Location: Livermore Library Community Room 'B'

Refreshments: Pat Iannucci and Larry Patzkowski

MEMBERS DUES ARE DUE	
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Presidents Message:

Marvelous March Lithophiles! I hope to see you at the March general meeting. Our members who went to Tucson brought back a cool DVD on mining in Bolivia that will be our program, and I know that Jane has some nice raffle prizes ready to give away. The member show-and-tell last meeting was a spectacular program, perhaps we'll do it again later in the year so more members can show off their treasures.

We're planning our first field trip of the year to Black Diamond Mines in Antioch. The trip is scheduled for April 20, so put it on your calendar. We'll have a tour of the mine, followed by a picnic with all the Lithophiles who attend. We would like to know how many people are coming in order to schedule the tour with the park, so please let us know if you plan to attend. There will be a sign-up list at the general meeting or you can simply email info@lithophiles.com.

We are working also on a wire-wrap jewelry class. Derek Ibarra, who demonstrated at the Lithorama, will be our instructor. The class is planned for a Saturday in May or June. There's a sign-up sheet at the shop, and also at the general meeting, or you can email info@lithophiles.com with your interest. We will need to know your

Presidents Message - cont. pg. 3

Minutes of the General Meeting

February 14, 2013

Guests: - New members Jennifer Siders and her sons Charles and Jake. (Mr. Siders, Craig, was not present at the meeting.)

Correspondence: - A number of several show flyers, a CFMF meeting notice entry forms (May 31 – June 2 in Ventura), and a flyer for the Castro Valley show the first weekend of March were received.

Minutes: The minutes were approved as printed.

Treasure's Report: There was no Treasure's Report.

Shop Report: Frank Gouveia reported on Shop activities. He will repair the mountings and pulley for the #3,000 wheel. A couple of people have signed up for the saw clean-up project, to be done when Dick Friesen returns. The 4-H students are progressing well with cabochon cutting according to Lee Davisson and Rich Hunt, their mentors. Rich Hunt passed out updated Shop rules to those who use the Shop. The rules will also be posted at the Shop, replacing the posted old rules.

Schools: Lee Davisson and Beiriger gave a presentation at East Avenue School. The school has a lot of rock specimens on hand but they are not identified. Lee will spend some time identifying and labeling the rocks. Lee announced that we will have a space at the Science Odyssey to be held at Junction Avenue School the evening of February 28.

Field Trips and Programs:-Rich Hunt indicated that these two areas, field trips and programs were his primary current concerns. The following sections summarize some ideas.

Field Trips: - Possible field trip locations briefly discussed included: New Almaden area, Beth and Ernie's ranch, Brushy Peak, Kennedy Mine (an above-ground visit near Jackson, Albert Hess to check out), Black Diamond Mine, Royal Peacock Mine (Virgin Valley, Nevada opal), Pala tourmaline mine(s), fossil locations (Frank Gouveia to research), Mercey Hot Springs, Del Puerto Canyon mine, UC Berkeley Paleontology Department, Rosicrucian Egyptian Museum & Planetarium in San Jose, paleontology museum near Madera, and others. The Board will pick tentative dates for trips to the Kennedy and Black Diamond mines (perhaps April to May).

Programs: - Possible programs include early decorative stonework (Lee Davisson), flint knapping, Native American jewelry (Jennifer Siders), and DVDs bought at Tucson by Pat Iannucci on mining in Columbia and Bolivia. The program for the March meeting will be one of these DVDs.

Old Business: No old business.

New Business: Sally Brown donated a large number of books from her library to the Club.

Refreshments: - Pat Iannucci and Larry Patzkowski will provide refreshments for the March meeting.

Program: The evening's program was a Show and Tell by several members as described below:

- Sally Brown showed crystals she collected at the Dead Sea. The crystals were formed from the sea's highly salty water.
- Pat Iannucci showed some of her purchases from Tucson including beads, faceted pearls, mother-of-pearl beads, and tourmaline chip necklaces. She also purchased DVDs on mining in Columbia

and Bolivia.

- Chris Hunt showed heart-shaped cabochons of brookite and tiger eye she had made.
- Frank Gouveia showed a thunder egg from the Lithorama silent auction and a geode he has had for years. In addition, he showed two large Arizona petrified wood slabs he bought for an exceptional price. The slabs were about a foot or more in diameter and a couple of inches thick.
- Lee Davisson showed some Cretaceous fossils he collected from the Capay Valley area when he was a grad student, a piece of petrified wood from the Petrified Forest west of Calistoga, fossiliferous limestone from Indiana, and a large piece of feldspar from a pegmatite in the high Sierra at Shepherd's pass north of Mt. Whitney.
- Jane Crone showed a soapstone carving of a calla lily she had carved.
- Charles Sider showed a posted he had prepared showing steps in making cabochons. He will show this at the Junction Avenue Science Odyssey in our space.
- Molly Alexander showed a colorful alabaster box she got while in Afghanistan in the early 1970s. She also showed three small tool artifacts made of stone flakes.
- Rich Hunt showed the "Eye of the President," a rounded and decorated piece of gravel he found near the new outlets in Livermore while geo-caching.

The meeting broke up about 8:52pm after the program and refreshments.

Larry Patzkowski, Secretary

Presidents Message - cont. from pg. 1

availability for Saturdays in May and June, so we can try to schedule the class so all can come. There will be a fee for this class, in the \$30-\$40 range.

The club needs a few more folks to help with the slab saw overhauls at the shop. Please let me know if you can help, or sign up at the shop.

The Board has reviewed and updated the shop rules. Please find a copy of the updated rules in this *Lithogram*, and posted at the shop. Any questions may be directed to me.

-Rich Hunt

**MEMBERS
DUES ARE DUE**

Minutes of the Board Meeting

February 28, 2013

The meeting was called to order at 7:36 PM by President Rich Hunt at the Barn.

Those also in attendance included Bill Beiriger, Dick Friesen, Andrea Rodrigues, and Sally Buchberger and her grandson, Tristen.

Shop: - The 3,000 wheel mounting had been repaired by Frank Gouveia. Two persons had signed the sign-up list for cleaning and repairing the slab saws; Dick Friesen will supervise this activity in the near future.

Field Trips: - A date for a field trip to the Black Diamond Mine was set for Saturday April 20. They have weekend tours starting at 10AM. Reservations appear to be necessary. Bill Beiriger will look into details.

Wine Country Festival: - The Wine Country Festival sponsored by Livermore Downtown, Inc. (association) will be held on May 4th and 5th. In anticipation of participating in the event, we decided to allow members to sell items at our booth. After discussion, Bill Beiriger made a motion to charge members a 15% commission; Dick Friesen seconded the motion. The motion passed. Larry Patzkowski was given the task of contacting the association to see if we could participate given our late request for a space. Because we were late for the association's January 31, 2013 deadline they wanted to charge us a minimum of \$200 for a booth space even though we have membership in the association. Subsequently, it was decided not to participate.

Tucson Purchases: - Dick Friesen and Andrea Rodrigues showed several items purchased for the Club while at Tucson. Items included men's and women's nylon wrist watches, bracelets, necklaces, a 5-pound box of tumbled stones, and a 15-inch wrench for the Shop. In addition, several copies of the Tucson Show Guide and Diamond Pacific's catalogue were brought back for members.

Classes: -A beading class is being planned by Andrea Rodrigues and Pat Iannucci. Also, a wire wrapping class is being organized by Stephanie Goldsmith.

The meeting adjourned around 8:20 PM.

Larry Patzkowski, Secretary

Sand Hourglasses a mini history

During the voyage of Ferdinand Magellan around the globe, his vessels kept 18 hourglasses per ship. It was the job of a ship's page to turn the hourglasses and thus provide the times for the ship's log. Noon was the reference time for navigation, which did not depend on the glass, as the sun would be at its zenith.[5] More than one hourglass was sometimes fixed in a frame, each with a different running time, for example 1 hour, 45 minutes, 30 minutes, and 15 minutes.

The Volcanoes of Alaska.

Compiled by Bill Beiriger

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



Redoubt - Southwestern Alaska

Last Eruption - 2009

10,197 feet

60.485° N 152.742° W

Redoubt is a 3108-m-high glacier-covered stratovolcano with a breached summit crater in Lake Clark National Park about 170 km SW of Anchorage. Next to Mount Spurr, Redoubt has been the most active Holocene volcano in the upper Cook Inlet. The volcano was constructed beginning about 890,000 years ago over Mesozoic granitic rocks of the Alaska-Aleutian Range batholith. Collapse of the summit of Redoubt 10,500-13,000 years ago produced a major debris avalanche that reached Cook Inlet. Holocene activity has included the emplacement of a large debris avalanche and clay-rich lahars that dammed Lake Crescent on the south side and reached Cook Inlet about 3500 years ago. Eruptions during the past few centuries have affected only the Drift River drainage on the north. Historical eruptions have originated from a vent at the north end of the 1.8-km-wide breached summit crater. The 1989-90 eruption of Redoubt had severe economic impact on the Cook Inlet region and affected air traffic far beyond the volcano.

Photo by Christina Neal (U.S. Geological Survey, Alaska Volcano Observatory).

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

School Science Program By Bill Beiriger

School Classrooms

I will have another busy month in February.

Student count to date for the 2012-2013 school year stands at 1105 students, at eight schools.

February found me keeping busy with more classes in the Livermore Schools and I also did the 2nd & 4th grade classes at St. Michaels School.

Science In Livermore Middle Schools

Sofar Lee and I have not had any type of a reply from East Avenue Middle School since our meeting with the four teachers at the school. They need some rocks identified and need some Geology based DVD for classroom use.

Science Odyssey Science Fair

I have Science Odyssey at Junction Ave. School on February 28 was a good event for the Lithophiles.

Lee Davisson, Charles Siders, a new Junior member and myself set up displays on three tables at the Odyssey. Charles had a display on the steps used in making a Cabochon, this was a project he made for 4H. Lee had a Petrographic Microscope and showed people what a thin-section of rocks looked like in Polarized Light. I set up my Digital Microscope and showed what eight different sand samples looked like a high magnification.



Bill at the Digital Microscope and a
Very excited Lee in the right rear.
Photo by Regina Brinker, Science Odyssey
Chairperson

Lithophiles Shop Rules

- - Please Read - -

1. The Livermore Lithophiles provide shop facilities, equipment, and storage necessary for the pursuit of our hobby. The Shop is located in the Barn and includes saws, grinders, sanders, polishers, and flat lap.
2. The Shop is for the use of our members only. The Shop rules and procedures are approved by the Membership and may be temporarily altered by the Board for the benefit of the Membership. A copy of these rules shall be prominently posted and a copy given to all cutters, and discussed with each one.
3. There shall be a fee charged for shop use and for using the slab saws. Currently the fee is \$2 per use and 10 cents per square inch on the slab saws. Please use the small slab saw when possible. New cutters are allowed to finish their first cabochon at no charge. Fees shall be accounted for and turned in to the treasurer monthly. The club shall authorize all major expenses.
4. No one under twelve is allowed to use the equipment, and those twelve to sixteen must have a parent or guardian present at all times when equipment is in use.
5. A volunteer shop Foreman manages the Shop.
6. The Foreman on duty is responsible for the operation of the shop equipment; consult them and heed them. Only the Foreman may operate the slab saw.
7. Foremen are not allowed to work on their own projects during their tour of duty, equal time free use of the shop during other normal hours is allowed.
8. No equipment shall be operated except during shop hours and unless an instructor or Foreman is present. No shop-owned supplies or other member's materials may be removed from the Shop. Member owned tools and materials must be marked with the owners name; the Shop bears no responsibility for loss of such materials; anything unmarked becomes the Clubs property after one month. The equipment is for the common use of all present, please share and take turns rather than use the same piece of equipment continuously.
9. The Shop is intended for hobby use only.
10. Trim Saw: Never cut anything larger than 3 inches thick on the trim saw, make sure water is running in the trim saw. Lubricate after use.
11. Grinders and Sanders: No specimens over two ounces (or about 2.5 inches in diameter) may be ground on the diamond grinders, always use water with the sanders and grinders. Always use the full width of the wheel. Wash hands and stones with soap and water between each operation. Grinding wheels must spin dry before motor is turned off.
12. If in any doubt, ask the Foreman! Report any equipment problems to the Foreman.
13. Everyone must help clean up at the end of the session, or when leaving. Enjoy YOUR Shop!

Shop Talk

By Frank Gouveia

Because of the very long Lithorama report and a very short January Lithogram we could not put this into the January or February Lithogram.

Happy New Year everyone! Here's how the New Year started off at the shop.

1/1/13 – I don't think anybody came by the shop on this holiday. I was busy cleaning up from the party at my house (that my son threw while we were out) and letting the spirits from the night before exit my body. I heard Nancy Bankhead had and UNO party at her place and that was a lot of fun. For those of you who don't stop by the shop during the winter I'd like you all to know that the new heater works great and it gets comfortable inside (after a while).

1/8/13 – I was foreman this night. Carol Wilson stopped by and spent some time on the carving machine working on one of her many pieces. Stephanie Goldsmith came in and did some work on her cabs. I polished the geodes I had previously cut in half on the flat lap; most of them had a chalky outer shell that didn't polish up very well.

1/15/13 – Chris Hunt was foreperson with Carol Wilson, Shawn Bentley and Stephanie Goldsmith Stopping by to work on their projects.

1/22/13 – Diana Carey was foreperson this night. Albert Hess came by as well as Irene Alstrom and Barb Johnson. I heard from Irene that Barb worked on a Rhodonite cab. Stephanie informed me that the belt kept coming off of the 3000 wheel. I stopped by the shop Wednesday on my way home from work and installed a pulley I had at home and got the machine to work with the help of a 5 gallon bucket to hold the motor platform level. I have since purchased the correct size pulley and brought a couple of hinges from home to fix it correctly, until then the white bucket under that grinder is your friend don't move it.

1/29/13 – Well what do you know our first 5th Tuesday of the year. Stephanie and I decided to share the foreman duties this night. New members Christy and Ashley Ruzicka were there with Lee Davisson. Lee introduced Ashley to the shop through the 4H program that he has been part of. Max Goehry worked a piece of Peterasite into a nice cab. Irene Ahlstrom shaped a piece of Agate into a cab in between telling us stories of her adventures in gold panning and showing us pictures. One picture was of her beautiful matching ring she had made from some of the gold they panned; it looks just like her husbands. Ashley worked on a piece of Moss Agate which she turned into a nice cab while Christy (mom) sat at the table and talked with Lee, Stephanie and myself. I love social time. Shawn Bentley worked on a teardrop shaped piece of Labradorite. I finally stopped yakking and got to work polishing the fossilized Gastropod slab I had won during the raffle at our last general meeting. I started with one long piece but went home with two after it got away from me on the flat lap. I was able to glue it back together later at home and it now resides in my fossil display cabinet. One last thing during the evening the propane ran out and it did get a little chilly towards the end but I had the tank refilled and we are back in business.

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

The Shop is open from 7pm to 10pm every Tuesday. Contact Albert Hess if you would like to come in early on any given Tuesday he can open the shop around 3pm.

Shop Forepersons:

1st Tuesday – Stephanie Goldsmith

2nd Tuesday – Frank Gouveia

3rd Tuesday – Chris Hunt

4th Tuesday – Diana Carey



April 20th Field Trip Important Information

Black Diamond Mines Regional Preserve

We are planning a Field Trip to the Black Diamond Mines on April 29th. We have reservations for the 11:00 AM tour. The tour is limited to 15 people if interested please let Bill Beiriger (443-5769) or Rich Hunt (443-5525). There is a \$5 per person charge for the tour, plus there is a \$5 per car parking charge. The parking is free to individuals with a EBRPD membership. **Please bring money to the March or April meetings.**

If the reservations get full there are also tours at 1:00 PM and 2:00 PM these reservations must be made by you at 1-888-327-2757 after connection push 2.

We plan to have lunch and do a few other things while we are there.

Please read the last paragraph before you decide on this trip. I will put more information in next months Lithogram.

Hazel-Atlas Mine Tour

The East Bay Regional Park District began acquiring land for Black Diamond Mines Regional Preserve in the early 1970s. Today, most of the mining district is within the Preserve's nearly 6,096 acres. The area is an ideal location for hiking, picnicking and nature study. Naturalists conduct a variety of programs relating the Preserve's natural and historic resources. For information phone (510) 544-2750.

From the mid-1920s to the mid-1940s, the Hazel-Atlas Mine produced silica sand to make jars, bottles, and other glass items. Today, tour participants can take a 950-foot walk into the mine to see mine workings, ore chutes, the shifter's office (mine boss), and ancient geological features. Because of its size and the need for safety, visitors will be taken in only on guided tours, with a limit of 15 persons per tour (minimum age seven years, parental participation is required).

First come, first served tours lasting one and one half hours are offered at Noon and 3 p.m. weekends only March through November. Arrive at least an hour early to have time to get to the mine entrance and to ensure a spot on the tour. The tour costs \$5 per person, and tickets can be purchased at the Greathouse Visitor Center.

Explore 950 feet of an underground silica-sand mine and learn its history, geology, and the methods used to mine the sandstone. Hard hats and flashlights are provided. Participants must be ambulatory and capable of a 1/3-mile uphill walk from the parking lot to the mine. Claustrophobia may be a consideration due the confined underground setting. Tours last approximately 90 minutes and you will walk about 950 feet underground. Wear suitable clothing suitable for underground temperatures of 55-58 degrees and footwear suitable for uneven walking surfaces. PLEASE ARRIVE AT LEAST 10 MINUTES EARLY AND ALLOW 15 MINUTES TO WALK THE 1/3 MILE WALK from the upper parking lot. MEET AT

California Shows And Events

2013

March 16 - 17: Vallejo, Ca
Vallejo Gem & Mineral Society
 10-5pm daily
 Solano county fairgrounds
 900 Fairgrounds Dr.
 Dan Wolke 707-745-1816

March 23 - 24: 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 23-24: Roseville, CA
Roseville Rock Rollers
 Roseville (Placer County) Fairgrounds
 101 Frogtown Rd.
 Hours: Sat., 10 - 5 and Sun., 10 - 4
 Contact: Gloria Marie, 530-367-2262
 email: gloriarosevillerockrollers@gmail.com
 Website: www.rockrollers.com

May 31-June 2: Ventura, CA
CFMS Federation Show
 Ventura Co. Fair Grounds
 10 W. Harbor Blvd., Ventura, CA
 Fri.,-Sat., 10 - 5; Sun., 10 - 4
 Contact Rob Sankovich 805-494-7734
 e-mail: rmsorca@adelphia.net

April 13 - 14: Mariposa, CA
Mariposa Gem & Mineral Club,
 Mariposa County Fairgrounds
 Hwy 49 South (1.8 miles south of
 Mariposa), Hours: 10 - 5 daily
 Contact: Chel, (209) 742-7625, Email:
 mineralmuseum@sti.net

April 20 - 21: San Jose, CA
**Santa Clara Valley Gem & Mineral
 Society**, Santa Clara County
 Fairgrounds
 334 Tully Road, Hours: Sat 10 - 6;
 Sun 10 - 5
 Contact: Frank Mullany, (408) 265-
 1422
 Email: info@scvgms.org, Website:
 www.scvgms.org

November 23 & 24, 2013 Livermore
 LITHORAMA 2013 Show and Sale,
**Livermore Valley Lithophiles Gem
 & Mineral Society**; The 'BARN'
 3131 Pacific Ave. east of Livermore
 Ave.
 Hours: Sat. 10-5; Sun. 10-4. Visit us
 at our website www.lithophiles.org

**MEMBERS
 DUES ARE DUE**

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

Field Trips

**Black Diamond Mines Regional Preserve - April 20th.
 See page 10 for more information.**

Livermore Valley Lithophiles

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

**MEMBERS
DUES ARE DUE**



Elected Officers and Club Information

Elected Officers:

President Rich Hunt (925) 443-5525
V. President Lee Davisson (925) 371-0699
Secretary Larry Patzkowski (925) 426-7768
Treasurer Shelley Buchberger (925) 292-7122

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. (**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, OPEN.

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 March 14th, at 7:30 PM
Board Meeting March 28th, 7:30, At the SHOP**